

# VISVA-BHARATI

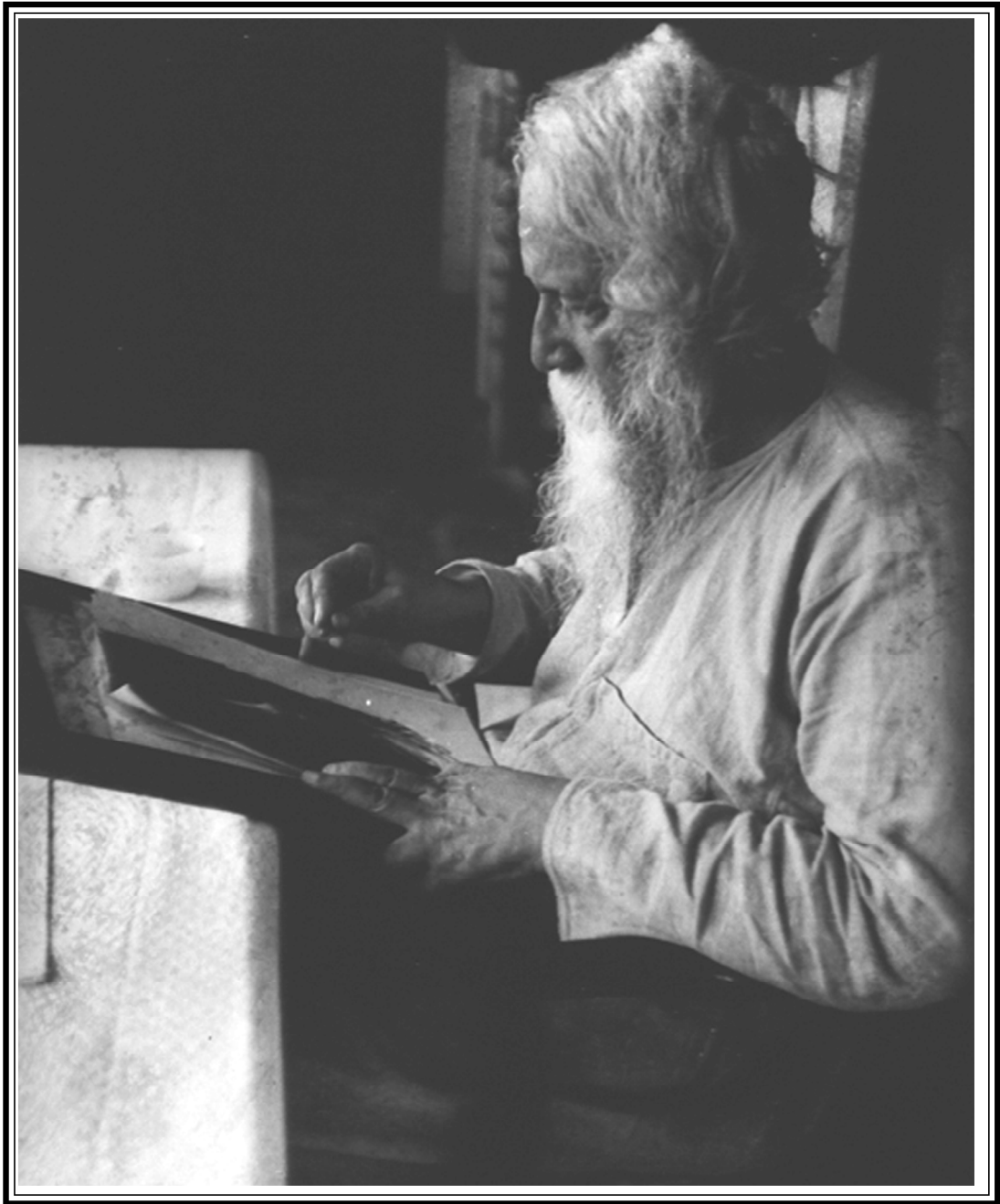
Annual Report 2019-2020



Santiniketan  
2020

॥ यत्र विश्वं भवत्येकनीडम् ॥

**YATRA VISVAM BHAVATYEKANIDAM**  
(Where the World makes its home in a single nest)





आचार्य  
श्री नरेंद्र मोदी  
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SHRI NARENDRA MODI  
उपाचार्य  
प्रोफेसर विद्युत चक्रवर्ती  
UPACHARYA (VICE-CHANCELLOR)  
PROF. BIDYUT CHAKRABARTY

विश्वभारती  
VISVA-BHARATI  
(Established by the Parliament of India under  
Visva-Bharati Act XXIX of 1951  
Vide Notification No. : 40-5/50 G.3 Dt. 14 May, 1951)

संस्थापक  
रवीन्द्रनाथ ठाकुर  
FOUNDED BY  
RABINDRANATH TAGORE



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दिनांक/Date

## Foreword


The Annual Report is the mirror displaying what a university has accomplished during a specific academic year. Visva-Bharati's Annual Report is no exception; it contains inputs meant to help its readers comprehend what the university has attained, both academically and otherwise, in its drive to realize the ideological vision on which it rests. Drawing on 'Yatra Visvam Bhavati Ekanidam', Visva-Bharati began its journey in 1921 with Gurudev Rabindranath Tagore as its founder and navigator. A perusal of the University's history reveals that for Gurudev, this task was not free of pitfalls and setbacks. It was with the initiative of Mahatma Gandhi and the support that India's first Prime Minister, Pandit Jawaharlal Nehru (who was also Visva-Bharati's Chancellor), that Visva-Bharati became the country's first central university, and was also recognized as 'an Institution of National Importance' with the adoption of the 1951 Visva-Bharati Act. Hence Visva-Bharati has developed in two phases: the first phase (1921-1950), which took place primarily under the care of its founder and those who joined the university in response to his call for building an alternative centre for dissemination of knowledge and wisdom, and the second phase, which was when it evolved as a Central University with many teaching departments that came up with the support of the Ministry of Education (later renamed as the Ministry of Human Resource Development).

The above growth narrative of Visva-Bharati was provided to facilitate our readers as they make a comparative assessment of the achievements of Visva-Bharati in these two historical phases: a large chunk of the first phase occurred in colonial India, while the second phase saw the unfolding of Visva-Bharati in independent India. A scan of our Academic Reports, which are also submitted to the Parliament of India, demonstrates the nature of the academic research and other activities that the University has accomplished in past years. The 2019-20 Academic Report is structured accordingly, in the form of a list of the achievements secured by the various departments (both academic and non-academic) of Visva-Bharati. Evident here is a profile which distinguishes the University from its counterparts elsewhere in the country and abroad.

I insert a caveat here: Visva-Bharati is not merely a degree-awarding academic institution; it is also a practical model for the cultivation of humanity and responsible citizenship, as its ethos privileges all endeavours geared towards contributing to the well-being of society in general and marginalized sections in particular. In this respect, the Gurudev-founded centre of learning encapsulates an emphatic ideological response to the prevalent socio-economic issues relevant to his espoused goal of human emancipation.

There are reasons to believe that Visva-Bharati may not have succeeded after all in fulfilling the objectives for which Gurudev Tagore worked relentlessly, often facing adverse circumstances. Despite the institution's having experienced frequent hiccups on the road to progress, there are also reasons to believe that Visva-Bharati will rise like the phoenix in no time. We have confidence that with the hard work of those who are associated with the University and with the support of its well-wishers all over the world, the day is not far when Visva-Bharati will lead global academia, not merely as a place for pursuing academic enquiries but also as a tip-of-spear source for pedagogical innovations and inspirational research activities.

To prepare the Academic Report for the public domain is a gigantic exercise. I owe a debt of gratitude to my colleagues who, by being committed to the cause that Gurudev Tagore had set out for humanity, worked day and night to produce this document. I shall be remiss if I do not mention the contributions that the editor, Professor Malay Mukherjee of the Department of Geography, and his very competent team members, made in compiling and organizing many useful inputs that showcase Visva-Bharati's arduous journey towards attaining excellence in pedagogy and research, a journey that started at the University's inception in 1921. I also acknowledge the help of my departmental colleagues in sharing pertinent information as we prepared the Report. The importance of this collaborative project only grows when we consider how the 2019-20 Annual Report, once it is released, will become an integral part of Visva-Bharati's rich legacy, since it contains all those inputs that a future historian will draw on to put together a meaningful account of how the University has carved out a niche for itself in both India and abroad.

  
Professor Bidyut Chakrabarty  
Vice-Chancellor  
Visva-Bharati

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# Chapter - 1

## **From Brahmacharyashrama to Visva-Bharati: A Chronicle of Metamorphosis of a Tiny School into an Internationally-Acclaimed Centre of Learning**

Visva-Bharati, which epitomizes culmination of Asia's first Nobel Laureate poet Rabindranath Tagore's dream of an institution, slated to deliver holistic education, as preached in the Upanisadas (that which emancipates is knowledge), had a very modest beginning. In 1863, Debendranath Tagore, the poet's father and a harbinger of nineteenth century Bengal Renaissance took the user's right of 20 bighas of land at an early land rent of twenty rupees in the arid soil of the district of Birbhum and established the Santiniketan Ashrama. In 1888, he executed a Trust Deed for the management of the Ashrama and dedicated it for the purpose of meditation. Thoroughly averse to the-then education system and its mode of teaching which he considered mechanical, soulless and uninspiring, Rabindranath established a school, viz. Santiniketan Brahmacharyashrama on 23<sup>rd</sup> December, 1901 with five students with the avowed objective of providing, as reported by the Visva-Bharati Bulletin of January, 1924: "... to a limited number of children an education which would not be divorced from life, where pupils would become members of a larger family and regard the affairs of the institution as their own, and where they would live and grow in an atmosphere of freedom, mutual trust and happiness."

In conscious repudiation of the education system introduced by the British hegemony which harped on producing a group of stupefied clerks, bent on making British Raj unrivalled, Rabindranath introduced a new system of reading-learning where classes were held in open air, where man and nature enter into an immediate harmonious relationship. Twenty years later in a letter to Patrick Geddes, he emphasized:

"I merely started with this one simple idea that education should never be dissociated from life."

The concept of holistic education which will nurture a 'complete' human was imbibed by Rabindranath from our ancient Indian Upanisadic texts which preached emancipation of soul from the bondage of mundane prosperity. His resource was limited, but his ideal was unswerving. By 1917, the idea of an Indian cultural centre was gradually shaping up. The centre will be slated "for the coordinated study of the different cultures." On 23<sup>rd</sup> December, 1918, the foundation stone of Visva-Bharati was laid by the poet-educator. In his short speech he explained the aims and objectives of the institution:

"The primary function of a university should be the constructive work of joining and imparting knowledge. Men should be brought together and full scope given to them not only for intellectual exploration, but of vital creation as well and the teaching should be the overflow of this spring of culture, spontaneous and inevitable."

Visva-Bharati was registered on 16<sup>th</sup> May, 1922. Scholars from all over the universe started pouring in to make Visva-Bharati indeed a centre of global culture and learning.

The Brahmacharya School during 1924 came to be called Visva-Bharati Purba Bibhaga and

from 1925 it became Patha Bhavana of Visva-Bharati.

In 1921, the Department of Advanced Studies was established which was re-named as Vidya Bhavana in 1926.

From 1919 music and art were being taught at Kala Bhavana which finally branched off into two institutions i.e. Kala and Sangit Bhavana in 1933.

In his early years during his stay in Shilaidaha and Sahazadpur, Rabindranath could feel the agony and pain of village life, steeped in poverty and ignorance. To put an end of this sorry state of affairs, Rabindranath ventured to start a new mission in the form of introducing a system of vocational educational which will make the village people self-reliant. With this objective on 6th February 1922 the Visva-Bharati Agricultural and Village Reconstruction Department was started at Surul under the inspiring leadership of Leonard Elmhirst. After some time it came to be known as Sriniketan (the abode of prosperity). The idea enshrined in establishment of this institution was to bring back life in its completeness to the villages and make villagers self conscious about their propensities. In 1924, was established another school "Siksha-Satra" which was finally shifted to Sriniketan in 1927.

The Cheena-Bhavana was formally inaugurated as a research department by Gurudeva on 14 April 1937 with the lofty ideal of strengthening the age-old cultural ties between India and China. The untiring zeal and effort of Professor Tan Yun-Shan opened up a new vista of Sino-Indian Cultural Fellowship through Visva-Bharati. In 1994, the establishment of the Nippon-Bhavana added another feather to promote advance studies in Japanese language and culture. The foundation stone of Hindi-Bhavana was laid by C.F. Andrews and Kshitimohan Sen and the tireless endeavour of Pandit Banarasidas Chaturvedi bore fruit with the completion of the Hindi-Bhavana building on 31 January 1939.

In May, 1951 Visva-Bharati was accorded the status of Central University and "an institution of national importance."

Thus, what began simply as a school, after traversing a long way amidst plethora of constraints--financial, administrative or in whatever form they might be, has today expanded into a modern university with multifarious pursuits and disciplines with an emphasis which will always promote cultivation of excellence and the retention of an ever-alive experimental character. Santiniketan i.e. an abode of peace and Sriniketan i.e. an abode of grace- these two combined make Visva-Bharati a place of ethereal beauty, serenity and academic vibrancy.

### **Institutional Structure Today**

Visva-Bharati, as per the Act of Parliament of 1951, has the President of India as the Paridarsaka (Visitor) and the Governor of West Bengal as the Pradhana (Rector). The President of India appoints the Acharya (Chancellor) and the Upacharya (Vice-Chancellor) of the University. The Act of 1951, with certain amendments made by Parliament thereafter, and the Statutes of Visva- Bharati constitute the basis of the powers and functions of the university and its constituent authorities. The chief decision-making bodies of the university are the Samsad (Court), the Karma Samiti (Executive Council), the Siksha Samiti (Academic Council), the Artha Samiti (Finance Committee), and the various Institute Boards and Patha Samitis (Boards of Studies).

The University has the following Institutes, namely:

**At Santiniketan**

Bhasha-Bhavana (Institute of Languages, Literature & Culture)

Vidya-Bhavana (Institute of Social Sciences)

Siksha-Bhavana (Institute of Science)

Kala-Bhavana (Institute of Fine Arts)

Sangeet Bhavana (Institute of Music, Dance & Drama)

Vinaya Bhavana (Institute of Education)

Rabindra Bhavana (Institute of Tagore Studies, Museum & Archives)

Patha Bhavana (Institute of Primary, Secondary & Higher Secondary Education)

**At Sriniketan**

Palli Samgathana Vibhaga (Institute of Rural Reconstruction)

Palli Siksha Bhavana (Institute of Agricultural Science)

Siksha Satra (Institute of Primary, Secondary & Higher Secondary Education)

**At Kolkata**

Granthana Vibhaga (Publishing Department)

Besides, Visva-Bharati also guides the functioning of Agro-Economic Research Centre ( A research centre sponsored by the Ministry of Agriculture integrated with Visva-Bharati) and the Computer Centre, which functions as a service centre that helps both academic and administrative departments, in addition to performing its academic functions.

**Socially Relevant Research and Other Activities**

Steps were taken to promote socially relevant research work in Humanities, Physical and Social Sciences, and need-oriented extension activities of weaker sections.

A short review of the various activities in consonance with the above is given below:

The major areas of research covered by Siksha-Bhavana (Institute of Science) include Plants and Herbicides, Crop-nutrition, Forestry, Pisciculture, Atomic Research, Environmental pollution concerning Agricultural production and fisheries and also Industrial pollution, Immunization of plants and identification of certain epidemics. The Department of Zoology has been identified as a department of Special Assistance by U.G.C. under the special Assistance Programme with two thrust areas of teaching and research namely Fish Biology and Environmental Biology. The Agro-Economic Research Centre took up research work related to (a) Role of Non-Government Agencies in Agricultural Development in Bihar, (b) Marketing of Agricultural Commodities concerning processing and input supply, (c) Decentralised planning in Agriculture and Rural Development, (d) Effect of Subsidies on Agricultural Development, (e) Economic Viability of Marginal and Small Farms and (f) Agricultural Marketing with special focus on progressing and inputs supplies (West Bengal).

Palli Samgathana Vibhaga sought to bring about regeneration of village life through self-help and self reliance in the villages around Santiniketan and Sriniketan through action-oriented programmes such as Mass Literacy programme, adult education, programmes undertaken by Brati Balak and Youth Organisation, rural library services, craft extension & training, etc.,

especially in the areas inhabited by scheduled castes and scheduled tribes and other backward classes.

Palli Charcha Kendra (Centre for Rural Studies) focused its attention on Anti-Proverty programmes in Rural Areas with an in-depth study of "Operation Barga", Agricultural Production and Agricultural Marketing under ICAR, and studies in Language Corruption and Culture confusion of the Tribal Communities, especially the Santhal Community.

Palli Siksha Bhavana (Institute of Agricultural Science) took up (a) All India Coordinated Research projects on weed control under USDA and ICAR, (b) Nocil Research project on Weed Control on rice, (c) Oil-seed research scheme, (d) The effect of Neem Extract created on various crops, (e) A village level survey on nature, composition and utilisation of wastes under NROER and (f) Effect of irrigation and nitrogen on growth of crops, Agricultural Economy for the growth of Farm-Capital by introducing large scale, Jute, Sugarcane, Mustard Seed cultivation under the sponsorship of Visva-Bharati. Apart from the above, socially relevant projects undertaken by the Department of Plant Protection included (a) Integrated Pest Management, (b) Post-harvest Pathology, (c) Nematode Ecology, etc. A Soil Testing laboratory has also been set up in collaboration with the State Government, developing efficient soil testing methods for estimation of available soil phosphorous and potassium in lateritic soils in relation to production of rice crop.

The Department of Social Work organised programmes of socially relevant field studies like (a) Drop-outs to join schools, (b) Utilisation services of the health centres, (c) Investment in Agriculture and Industry by Co-operative Banks, (d) Family in socially distress, (e) Self-employment for SC/ST community and other backward classes of the rural population and special projects for the physically handicapped. It further initiated a community-based rehabilitation programme in collaboration with other governmental agencies in the neighbouring villages.

The Institute of Humanities and Social Science took up research programmes in Philosophy, Religion, History, Economics, Political Science and various languages, both Indian and foreign. Mention may be made of Bengali, Sanskrit, Palli & Prakrit, Persian, Urdu, Hindi, Santhali, Oriya, Tamil, Marathi, Tibetan, Chinese, Japanese, Russian etc. Special studies on Buddhist literature and religion are being carried out in the Departments of Chinese Language & Culture and Indo-Tibetan Studies. They have a rich store house of old manuscripts. The Department of Oriya has taken up a special study of the Folklore of Orissa. Nippon Bhavana, i.e., the Japanese Studies & Culture Centre has been re-oriented towards cultural programmes between India and Japan with financial assistance from Japan.

That apart, the Indira Gandhi Centre for National Integration organises workshops and seminars on curricular development to determine how the culture of National integration may be taken up in the Secondary and Higher Secondary schools as a course of studies.

Apart from regular curricula in Computer Science at B.Sc. and M.Sc. levels, there is an independent Computer Centre of marked distinction imparting regular training and computation facilities to the Visva-Bharati community, both academic and administrative, to foster the generation of a computer culture. Computation facilities are also available in the

following departments: English, Botany, Kala Bhavana, Mathematics, Palli Siksha Bhavana, Physics, Rabindra Bhavana, Zoology, and Agro-Economic Research Centre.

Mention may also be made of extension activities of students, which were marked by a special and socio-economic significance. These were organised in the form of regular programmes of NCC, NSS, Physical Education, and functions and festivals, including educational excursions which entailed an interaction with the people of the adjoining rural areas, mostly inhabited by scheduled castes and scheduled tribes. The salient features of these extension activities related to social services, protection of the environment, eradication of illiteracy, primary health care as also the campaign against drug addiction.

The above gives a comprehensive view of the steps taken by the university to promote socially relevant research in tune with the dream of its founder Rabindranath Tagore, who looked forward to social uplift in India through socially relevant education programmes.





## Professor Bidyut Chakrabarty, Vice-Chancellor, Visva-Bharati

(Speech delivered on 4 October, 2019 at the University of Delhi and later on 30 November, 2019 at Visva-Bharati as part of University Lecture Series)

### Is Kautilya Relevant today?

The socio-economic and political ideas of Kautilya have not received adequate scholarly attention presumably because they were reduced to state craft. This is not a fair interpretation of the ideas that he evolved in his *Artha Sastra*; instead, his ideas also dwell on many foundational concepts of state and governance. What is striking is to note that much of the conceptualization helps us comprehend how the idea of modern state was articulated in crisis. His was an attempt to establish authority in political crisis since he wrote when the Mauryan empire was in shambles. It was he who created a solid base for an institutionalized state in India when the idea was novel. In some ways, his *Artha Sastra* can be compared with Thomas Hobbes' 17th century classic *Leviathan*. For the English thinker, Thomas Hobbes, the volatile British context especially what had emerged following the Puritan revolution of 1668 and 1688 Glorious revolution which finally brought in England constitutional monarchy. *Artha Sastra* is broadly similar to *Leviathan* since it is an analytical statement of a decadent royal authority that reasserted itself in circumstances which were not exactly favourably disposed towards a disciplined governance and administration.

Kautilya dedicates his work to Shukra and Brihaspati who are the mythological creators of the science of statecraft. Shukra is the teacher of the demons who do not have an entirely negative connotation. Brihaspati is the teacher of Gods. This dedication is therefore not addressed to the demons or Gods as such but their teachers.

Now, he tells the readers that his compendium summarizes the key concepts of all antecedent *Artha Sastra*. That means that text books on politics existed well before Kautilya wrote *Artha Sastra* and were considered necessary for obtaining necessary competence in statecraft. However, these textbooks were lost in the centuries after *Artha Sastra* was written. From Kautilya's reference, we surmise that they had a theoretical character and were not just mythological or historical narratives. He claims that his work is an improvement over the available treatises on politics and statecraft.

According to him, the ruler has to master four sciences: philosophy, theology, economic and political science. Only by means of all four sciences, the realization of both *artha* (material gain) and *dharma* (moral good) is possible. Philosophy is prior to other sciences because it enables the ruler to understand the reality better. While explaining why philosophy is most important the author of *Artha Sastra* argues that philosophy is that means which allows the king to comprehend the art of rational cognition, the art of attaining spiritual-mystical knowledge and also the ability to grasp how the human mind functions. Despite having realized the importance of philosophy, Kautilya did not deal with them sufficiently in his text presumably he assumes that they are too well-known to deserve any elaboration. What is striking in his ideas is his justification for caste-based division of labour which was probably the system in which work was distributed in the socio-economic context of the past. Besides referring

to four Vedas (Sama, Rig, Yajur and Atharva), he also draws our attention to the Ithihasveda (which includes Ramayana and Mahabharata) which shows that Kautilya defended his argument with reference to epics presumably because it is easier for him to justify the caste-based work distribution.

For each of the castes, duties are specific:

*Brahman* dharma: studying, teaching, priestly ritual which goes along the right to be alimented by the other castes;

*Kshtriya*: military service and protection of the people which includes political leadership and governance tasks (to be supplemented by education and generosity)

*Vaishya*: entrepreneurial activity in agriculture, trade and crafts, (self) education and willingness to donate;

*Shudra*: subordination to the three upper castes and physical labour in agriculture, crafts, trade and services.

How to develop an efficient system of governance?

According to the pragmatist Kautilya, (like the 16th century Italian thinker, Machiavelli), the king needs to be alert to the socio-economic circumstances of his kingdom; this will help him also to combat the opposition forces long before they become disastrous for the government. In order to expand the sphere of influence, the king should be governed by the principle which states that 'the administration constitutes the science of politics, having for its purpose the acquisition of things not possessed, the preservation of things possessed, the augmentation of things preserved and the bestowal of things augmented on a worthy recipient. On it is dependent the orderly maintenance of worldly life'. Fundamental here is the point that the king should devote his energy for the development of the kingdom that he rules. It is thus evident that for the *Artha Sastra* author, stagnation remains a source of decline and by being alert to the tendencies leading to lack of development, the king also demonstrates that he is equally concerned for the well-being of the ruled or his subjects. This is possible if the king nurtures a scientific bent of mind; by that Kautilya means the ability to welcome new ideas and accept them if they are of any use for the fulfilment of the goal that he sets-out for his kingdom. Because he also believes that a weak and a passive state contributes to 'political anarchy' (*matsya naya*), he develops three foundational ideas for the consolidation of state power: (a) strengthening of the economy since economy is the basis of state's capacity to attain the planned socio-economic development; (b) ruler being wise and prudent in using coercive power is one of the major preconditions of a strong state, and (c) the ability of the ruler and his compatriots to contain the irrational and arbitrary use of authority which is likely to create conditions for rebellion against the state.

A pragmatist to the core, Kautilya is also aware that there are certain enemies which are not external, but very much internal to the king; they are required to be controlled by the king himself: they are anger, greed, pride, arrogance and foolhardiness. This also shows that the author is well-grounded in human psychology; otherwise, it would have been difficult for him to identify the restraining psychological factors which can be a source of weakness for the king. There are other factors as well which are worth avoiding for the king which

Kautilya defines as 'passive character defects'; they include, laziness, lack of motivation, vanity and wasting of time with useless persons, things and activities; the king, for better governance, needs to strike a balance between political benefits and norm conformities by being truthful to dharma (morally-supportive behaviour) and stays away from kama or carnal pleasure.

That he was a realist was further evident when he advises the king to take special care for fulfilling the material needs of the people; otherwise, it will be difficult for him to expect them to be law-abiding, and morally-conscious and with gaiety at home. By this principle, Kautilya establishes his claim to be a political realist in the sense that for peace in the kingdom, the king is required to be alert to the socio-economic difficulties of the people; otherwise, the king cannot maintain peace and fails to pursue his socio-political objectives as per his priorities.

### **How to govern the state:**

Governing the state means decision making which depends on the availability of adequate information. He distinguishes three types of knowledge - raw and processed information - that provides the basis of decision making at the top of the state:

1. First-hand knowledge: information that is directly acquired by the ruler himself;
2. Indirect knowledge: information supplied by other to the ruler
3. Inferences: conclusion derived from the two previous forms of knowledge: decision-making and policy-planning vectored into the future.

In Kautilya's words, "the king should favour those who are content with wealth and honour. He should manage those who are discontent by means of conciliation, gifts, dissension or force. In this way, the wise king should guard against the secret instigations of enemies targeting those likely to be seduced and those unlikely to be seduced in his own territory, whether permanent persons or common people'. Here his basic concern is guided by how to empower the king by providing the right kind of advice. This is also a matter of common sense that the ruled do not get swayed so easily if their basic needs are easily fulfilled; the situation gets worse if it is otherwise.

As an ideologue of good administration, he also evolves the idea of *Saptanga* (seven parts) which is necessary to properly govern a multitude with multifaceted interests. In the language of modern Public Administration, the idea of *Saptanga* is an articulation of seven structural elements which are: *Swamin* (ruler), *Amatya* (minister), *Janapada* (the people of the land), *Durga* (fortress: capital city), *Kosa* (treasury), *Danda* (coercive power of the state - armed forces, secret services and police), *Mitra* (ally in foreign policy).

For devising an appropriate policy, the king has to have inputs from various sources. Hence, he needs to maintain a well-administered secret service. Kautilya talks about four types of secret services: (a) the professional secret agent (*Kapatika*), a salaried civil servant, carries out intelligence assignments under changing covers: also target-driven; (b) wandering ascetics (c) farmers, artisans and traders, being recruited by the state for intelligence activities; (d) men involved in religious-ritualistic, astrological and psycho-therapeutics. This is evident when Kautilya says, 'the king should favour those who are content with wealth and honour. He should manage those who are discontent by means of conciliation, gifts, dissension or

force. In this way, the wise king should guard against the secret instigations of enemies targeting those likely to be seduced and those unlikely to be seduced in his own territory, whether prominent persons or common people'. It is clear that *Artha Sastra* is a meaningful political treatise for the statecraft; this is partly true since, in view of the complexities of the argument, it can easily be said that this text is a path-finder for many thinkers who devote their energy to understand how a state gets empowered and otherwise and in what circumstances. In that sense, *Artha Sastra* is a conceptually path-breaking work.

So, how does a state function and retain its strength: Kautilya is very clear here. He identifies some of the sources from which the state draws its sustenance and also the power to become stronger in course of time: these are, taxes, legal system to strictly enforce laws, a powerful system to protect the boundary of the state from external attack, a well-administered system of foreign and military establishments and an effective intelligence service. With the support of these devices, the state shall remain in the saddles of power without much difficulty. There is however a danger which is also the problem of today's governance, namely the problem of corruption. According to Kautilya, 'just as it is not possible not to taste honey or poison once placed on the surface of the tongue, equally so it is not possible for someone dealing with the money of the king not to taste the money in however small quantity. Just as a fish moving inside the water cannot be known when drinking water, equally so officials carrying out works for the king cannot be known when appropriating money'. Here he admits that corruption is an integral part of administration, or, in other words, since it cannot be completely eradicated, the king has to devise ways for meaningfully plugging the sources of corruption. One of the major factors is, according to him, the poverty which affects the subjects adversely. Hence, that deserves to receive the king's serious attention because, as Kautilya argues, 'subjects when impoverished become greedy; when greedy they become disaffected, when disaffected they either go over to the enemy or themselves kill the ruler. Therefore, the king should not allow these causes of decline, greed and disaffection among his subjects to arise or, if arisen should immediately counteract them'. How to contain the sources of dissatisfaction among the subjects, asks the author of *Artha Sastra*. As he elaborates,

there are four *upayas* (means) which are, (a) conciliation (*samjhota*), (b) gifts (*dana*), (c) dissension (*bheda*) and (d) force (*danda*).

### **Concluding observations**

Even a cursory assessment of the above views reveals that the author is aware of the circumstances in which the king has to function for realizing his objectives. Apart from dwelling on the personal qualities of the king, he also endeavours to develop a state capable of handling unforeseen situation due to natural calamities or organized (and otherwise) rebellion based on genuine grievances or politically deliberately contrived to embarrass the king. Kautilya's state is a patrimonial state in which the state bureaucracy is in its infancy. This is therefore not a matter of surprise that Max Weber appreciates Kautilya for having put some of his ideas (though in a rudimentary form) of a patrimonial state, backed by a bureaucracy, even long before the German sociologist codifies his views on this theme.

Weber's reference to patrimonial authority seems to have been derived from Kautilya's

idea of king. Patrimonial authority transforms patriarchal domination of one (extended) family into the rule over political community like a tribe from which a state-like entity can eventually evolve. Two elements of domination are emphasized here: (a) power of tradition and (b) loyalty and fidelity towards the person of the master - the ruler or king. As a rule, Weber thus argues, 'the political patrimonial ruler is linked with the ruled through a consensual community which also exists apart from his independent military force which is rooted in the belief that the rulers' powers are legitimate in so far as they are traditional'. King's administration is both patrimonial (personal loyalty to the king) and bureaucratic (regulated bureaucracy)'. Nonetheless, Kautilya's *Artha Sastra* uncritically defends 'an absolutist-monarchic rule' as the best form of government which was probably the form of government that evolved in ancient India. So, *Artha Sastra* is a contextual response and being a child of his time Kautilya is unable to go beyond the conceptual parameters of governance and administration of the era. This is, however, not to undermine the significant contribution that the author of the text makes in our understanding of how to consolidate a state power in adverse circumstances. As history has shown, just like the 17<sup>th</sup> century England or 17<sup>th</sup> century Italy, ancient India at a particular point of her history was undergoing severe crisis of governance and most of the rulers had not had the legitimacy that would allow them to govern as a legitimate power. In these circumstances, Kautilya wrote his treatise to persuasively argue for a strong and legitimate state authority. In that sense, *Artha Sastra* can be hailed as 'a political grammar of power accumulation, power distribution and power preservation'.

## Functions and Festivals

The functions and festivals of Visva-Bharati are unique and have influenced, to a great extent, the life style of the members of the University community. On these occasions, the entire community comes together in the wide open beauty of nature to experience a traditional Ashram life, chanting Vedic hymns and singing Rabindra Sangeet in the Mandir, Chatimtala and Amrakunja.

### **Santiniketan Karmi-Mandali organized the following functions and festivals of the University during the year 2019-2020 :**

1. Barsha-Sesh on the occasion of Bengali Year ending on 30<sup>th</sup> Chaitra, 1425 (14<sup>th</sup> April, 2019)
2. Naba-Barsha on 01<sup>st</sup> Baishak, 1426 (15<sup>th</sup> April, 2019)
3. Gurudeva Smarana, the death anniversary of Gurudeva and Briksha ropan was observed on 22<sup>nd</sup> Sravana, 1426 (8<sup>th</sup> August, 2019)
4. Halakarshana Utsava, celebrated on 23<sup>rd</sup> Sravana, 1426 (9<sup>th</sup> August, 2019) at Sriniketan.
5. Rabindra Saptaha was observed from 23<sup>rd</sup> Sravana, 1426 (9<sup>th</sup> August,2019) to 30<sup>th</sup> Sravana, 1426 (16<sup>th</sup> August,2019). Several lecture programmes were arranged at Sriniketan and Santiniketan on various aspects of Gurudeva Rabindranath Tagore.
6. A friendly Football match between the staff members of Visva-Bharati and Burdwan University organized on the occasion of Independence day.
7. Silpotsava was celebrated at Silpa Sadana, Sriniketan on 31<sup>st</sup> Bhadra, 1426 (18<sup>th</sup> September, 2019)
8. Sarodotsava was celebrated on and from 28<sup>th</sup> Bhadra, 1426 (15<sup>th</sup> September, 2019) to 9<sup>th</sup> Aswin,1426 (27<sup>th</sup> September, 2019) wherein Drama was performed mainly by the students of various Bhavanas of the University..
9. Ananda Bazar, special festival organized by the students was observed on 28<sup>th</sup> September, 2019 with traditional festivity.
10. Dipabali observed on 09<sup>th</sup> Kartik, 1426 (27<sup>th</sup> October,2019)
11. 'KIRTAN' Gan at Gour Prangan on 16<sup>th</sup> Agrahawan,1426 (03<sup>rd</sup> December, 2019.)
12. 'CLASSICAL MUSIC EVENING' on 30<sup>th</sup> & 1<sup>st</sup> Poush,1426 (17<sup>th</sup> to 18<sup>th</sup> December,2019) at Lipika Auditorium.
13. Dinendra Janmotsava observed on 02<sup>nd</sup> Poush, 1426 (19<sup>th</sup> December,2019)
14. Poush Utsava was observed during 06<sup>th</sup> Poush and 09<sup>th</sup> Poush (23<sup>rd</sup> December, 2019 to 26<sup>th</sup> December,2019 at Chhatimtala, the beginning of a four days festival with various cultural programmes, exhibitions and other entertainments widely known as Poush Mela.
15. Maharshi Smarana, the death anniversary of Maharshi Devendra Nath Tagore was observed on 06<sup>th</sup> Magh , 1426 ( 21<sup>st</sup> January,2020)
16. Anniversary celebration of Sriniketan was observed from 23<sup>rd</sup> Magh to 25<sup>th</sup> Magh (February 06 to 08, 2020). A three days festival with various cultural programmes, exhibitions, fireworks and other entertainment widely known as Magh Mela.

### **Convocation 2019**

The Convocation was held on 11/11/2019. His Excellency Shri Ramnath Kovind, Hon'ble President of India and Visitor of Visva-Bharati has graced the occasion as Guest in Chief. The number of

recipients of Undergraduate Degree is 1993, Post-Graduate Degree is 2180, M.Phil Degree is 156, Ph.D Degree is 376, Certificate Course is 19 (Total- 4724).

#### Other Functions and Festivals:

August 15, 2019	Swadhinata Divas (Indipendence Day)
October 02, 2019	Gandhi Janma Jayanti
December 25, 2019	Christotsava
January 23, 2020	Netaji's Birth Day
January 25, 2020	Maghotsava
January 26, 2020	Republic Day
February 12, 2020	Dinabandhu Janmotsava
March 10, 2020	Gandhi Punyaha

As a part of social responsibility in the time of crisis, Karmi-Mandali, with the active support of the University administration and local administration as well, conducted relief operations in 80 surrounding villages / areas during the lockdown period due to the outbreak of COVID-19, wherein 5812 families were supported with essential foodstuff at the financial involvement of **RS. 14, 09,220/-**, collected through donations from various stakeholders.

#### Finance

The University is almost totally dependent on the U.G.C. grants for day to day running of expenditure, a major part of which is in the nature of salaries etc. to teaching and non-teaching staff. The Maintenance grant (during 2019-2020) received from U.G.C. is **Rs. 318, 66.44** lakhs as against actual expenditure to the tune of Rs. 336, 77.38 lakhs with an internal generation of **Rs. 1045.24 lakhs**.

#### Status of teaching employees as on 31.03.2020

Post	Total
Professor	151
Associate Professor	74
Assistant Professor	234
Asstt. Lec. & Eqv.	128
Principals of Schools	2
<b>Total</b>	<b>589</b>

#### Administrative Staff Composition as on 31.03.2020

Post	Total
Group-A	56
Group-B	196
Group-C	255
Group- D	169
<b>Total</b>	<b>676</b>

#### Student Composition as on 31.03.2020

Total no. of Univertsity Sudents:	8,504
Students' of Patha-Bhavana & Siksha-Satra:	2,099





## **Chapter - 2**

### **BHASHA-BHAVANA**

**(Institute of Language, Literature and Culture)**

Bhasha Bhavana (Institute of Languages, Literature & Culture) was set up in 2010 in a bid to promote interaction between various language departments. The Bhasha Bhavana houses English and other Indian language Departments i.e. Sanskrit, Odia, Hindi, Bengali, Marathi, and the Foreign Language Departments i.e. Chinese, Japanese, Indo-Tibetan, Arabic & Persian. In 2014 Bhasha-Bhavana shifted to a new independent building with a language laboratory and other state of the art facilities. All these Departments offer regular courses of study both at the under-graduate and the postgraduate levels as well as research facilities in their constituent Departments of Languages. Bhasha- Bhavana also offers the Language Certificate Courses mainly for regular students and the staff members of Visva-Bharati and the residents of the locality.

Bhasha Bhavana also offers one-year integrated casual courses on Indian Classics and in certain languages and literatures to foreign students. The Department of Sanskrit offers a 6-month course on Manuscriptology. Bhasha-Bhavana takes pride in its rich treasure of manuscripts in Sanskrit, Bengali, Odia, Tibetan, Arabic and Persian which are preserved in the departments concerned. Cheena Bhavana, the department of Chinese, and Hindi Bhavana, the department of Hindi, house prestigious sectional libraries, each containing around 45,000 and 35,000 books respectively. Visiting professors and scholars from all over the world regularly visit Bhasha- Bhavana where the exchange of ideas opens up new areas of research, to which significant contributions are made. Cheena Bhavan has initiated a student exchange programme with Yunnan University, China since 2011 in which students from many departments of Bhasha Bhavana besides Cheena Bhavana visit Yunnan University for a short term summer camp. Similarly students from Yunnan University also visit Visva- Bharati every year and interact with the students and teachers of many departments of Bhasha Bhavana.

Bhasha-Bhavana (Institute of Languages, Literature & Culture) holds the promise of upholding Tagore's great idea towards establishing National Integration and harmony through dissemination of learning and the values of self sacrifice and universal brotherhood.

## Department of Bengali

### Departmental Profile:

Since Visva-Bharati became a central University in 1951, the Department of Bengali is offering BA and MA courses in Bengali. The Doctoral programme has also been conducted in the Department ever since. The Department presently is conducting MPhil courses as well. The Department also offers One Year Diploma Course, Two Year Certificate course and One Year course for Foreign Students. The Department is privileged to have been served by many renowned Academicians all these years.

### Name of the students qualified in UGC NET/SET Examination:

1. Shibnath Dutta	UGC NET Roll- WB10520288MD
2. Rejjak Ansari	UGC NET Roll- WB04501284
3. Dip Mandal	UGC NET Roll- WB10506881
4. Mitali Biswas	UGC NET Roll- WB10521971
5. Sujit Mondal	UGC NET Roll- WB10503009
6. Hemanta Pal	UGC NET Roll- WB0105201630

### Departmental Activity:

27.07.2019: Prof. Rabin Pal delivered a talk in the seminar entitled "Itihas O Sahitya."

18.08.2019: Prof. Mahuya Mukhopadhyay and Dr. Suman Bhattacharya delivered a talk in the seminar entitled "BanglarNach - Banglar Gan."

27.11.2019: Prof. Sunitikumar Pathak delivered a talk in the seminar entitled "Rathindranath Smriti-Boktrita."

25.02.2020: Prof. Somnath Chakraborty and Dr. Sarbananda Choudhury delivered a talk in the seminar entitled "Baul Gan O Baul Darshan" organized in collaboration with Paschim Banga Baul Academy.

### Participation in National and International standard Conference /Seminar /Workshop / Exhibition:

#### Mrinalkanti Mandal

02.04.2019- Chaired a session in the International Conference at Bangladesh Bhavana, Visva-Bharati, Santiniketan, West Bengal, India, organized by Bangiya Council For Literature And Culture, Santiniketan Branch.

**Extension Activities:** Member of the Board of Post graduate Studies in Bengali of Burdwan University. Member of the Board of Post graduate Studies in Bengali, Assam University, Silchar, Assam.

#### Amal Kumar Pal

16.11.2019. Chaired a session in the International Conference entitled " Road Map for the Development of Rural Tourism in and around Birbhum" at Visva-Bharati, organized by Visva-Bharati in collaboration with Ministry of Tourism, Govt.of India & Dept.of Tourism, Govt. of West Bengal

19.11.2019. Delivered a lecture at the Department of Bengali, Chandidas Mahavidyalaya, Khujutipara. Title of Presentation "Bangla Chhander Riti".

### **Sudip Basu**

08.05.2019. Delivered lecture at the Ankara Indian Embassy, Turkey, invited by ICCR and Indian Embassy, sponsored by ICCR, Govt. of India. Title of presentation "Rabindranath Tagore: The Versatile Genius".

09.05.2019. Delivered lecture at the Istanbul University, Turkey, sponsored by ICCR, Govt. of India. Title of presentation "Rabindranath Tagore: The Singer and Composer".

09.05. 2019. Delivered lecture at the KoC University, Turkey, sponsored by ICCR, Govt. of India. Title of presentation "Paintings & Sketches of Rabindranath Tagore".

17.06.2019-22.06.2019. Participated as Bengali Expert at the First workshop of 'Hindi-Bengali Learners' Dictionary' project, organized by Kendriya Hindi Sansthan, Agra.

05.08.2019-10.08.2019. Participated as Bengali Expert at the Second workshop of 'Hindi-Bengali Learners' Dictionary' project, organized by Kendriya Hindi Sansthan, Agra.

15.11.2019-20.11.2019. Participated as Bengali Expert at the Third workshop of 'Hindi-Bengali Learners' Dictionary' project, organized by Kendriya Hindi Sansthan, Agra.

27.02.2020. Participated in the National Selection Committee (NSC) meeting of the Tagore National Fellowship for Cultural Research (TNFCR), Ministry of Culture, Delhi.

16.03.2020-21.03.2020. Participated as Bengali Expert at the Fourth workshop of 'Hindi-Bengali Learners' Dictionary' project, organized by Kendriya Hindi Sansthan, Agra.

Extension activities:

Director-In Charge Indira Gandhi Centre, Visva-Bharati, from 16.03.2019, charge handed over on 03.01.2020.

### **Aparna Roy**

05.06.2019: Delivered lecture as resource person for Subodh Chandra Sengupta Memorial Lecture, Organized by Shartat Samiti, Kolkata. Title of presentation "Sharat-Sahitye Boishnab Nari".

31.08.2019: Delivered lecture as resource person in the Seminar (state level), entitled "Choitanya-Sanskriti O Madhyayugiya Bangla Sahitya", organized by St. Xavier's College, Kolkata.

26.09.2019: Delivered lecture as resource person in the International Seminar entitled "Ishwarchandra Vidyasagar - Jibon O Sahitya", organized by Mankar College, Burdwan.

27.11.2019: Delivered lecture as resource person in the Refresher course entitled "Adhunikar MadhyayujCharcha", Organized by Department of Bengali, Jadavpur University.

### **Abhra Bose**

28.09.2019: Delivered an invited Lecture at the Sadharan Brahma Samaj, Kolkata.

Title of Presentation- "Vidyasagar and his contemporary Reception" .

5.12.2019: Delivered a lecture in a National Seminar organized by Nistarini Women's College, Purulia. Title of Presentation. "Vidyasagar and posterity".

Extension Activities:

External Member, Board of Studies of the Department of Bengali, Jadavpur University

### **Sumita Bhattacharyya**

31.03.2019-02.04.2019. Presented a paper in the International Seminar entitled Rabindranath and Santa Devi ('Rabindra Sannidhye Santa Devi') Organized by Bangiya Sahitya - Sanskriti Sansad,

Dhaka, Bangladesh. Held in Bangladesh Bhavana, Santiniketan, West Bengal, India.

06.03.2020. Participated and presented paper in a round table discussion entitled "Empowerment of Women on the occasion of International Women's Day 2020 at Women's Study Centre, Visva-Bharati in Santiniketan, Bolpur on Thursday, organized by Press Information Bureau, Kolkata in collaboration with Visva-Bharati University. Title of Presentation- 'Tagore and Women Empowerment'

#### **Manabendranath Saha**

30.06.2019: Presented a paper in an International Conference organized by Department of Bengali, Chittagong University, Chittagong, Bangladesh. Title of Presentation- "Kazi Nazrul Islam o Chalochitto".

#### **Manabendra Mukhopadhyay**

24.10.2019. Delivered Visiting Lecture-1 as Invited Visiting Fellow at the School of Asian and African Studies, Beijing Foreign Studies University, China. Title of the presentation- 'History of Bengali Culture and its Trysts with Destiny'. (Also had taken two special classes at the said University.)

25.10.2019. Delivered a special invited lecture Invited Visiting Fellow at the School of Cross Culture and World Literature, Tianjin Normal University, China, at Beijing Foreign Studies University. Title of the lecture- 'Tagore and Today'.

30.09.2019. Delivered Visiting Lecture-2 as Invited Visiting Fellow at the School of Asian and African Studies, Beijing Foreign Studies University, China as Invited Visiting Fellow. Title of the lecture- 'Tagore and Today'.

16.11.2019-18.11.2019. Chaired a session in a Two-day International Conference entitled 'Road Map for the Development of Rural Tourism in and around Birbhum', organized by Visva-Bharati.

21.01.2020. Presented a paper as an invited Resource Person in a Two-day National Seminar entitled 'Relocating Vidyasagar in 21th Century' organized by Department of Sanskrit, Jadavpur University. Title of presentation- 'Vidyasagar: Chintar Kathamo.'

05.03.2020. Presented a paper as an invited Resource Person in a One-day International Seminar entitled 'Literature and Theory', organized by North Bengal University (Jalpaiguri Campus). Title of presentation 'Bengali Literature and the Possibilities of the Application of Theory.'

Extension Activities:

Chief Coordinator, Bangladesh Bhavana, Visva-Bharati

#### **Nirmal Kumar Mandal**

26.09.2019. Presented a paper at the Durgapur Government College, West Burdwan. Title of Presentation. "Vidyasagorer Bidhababibaha Aandolon: KichuPrasango".

#### **Rita Modak**

18.04.2019. Delivered an Invited Lecture as Resource Person in the National Seminar entitled "Swadhinata-Uttar Bangla Sahitye Madhyabitter Sankat". Organized by Department Of Bengali, Bidhan Chandra College, Asansol. Title of Presentation: "Swadhinata-Uttar Bangla Upanyase Madhyabitter Sankat."

10.03.2020. Delivered an Invited Lecture On International Women's Day organized by Rotary Club of Bolpur. Title of Presentation: "Ekuser Meyera."

### **Atanu Sasmal**

25.10.2019. Delivered a lecture in an International Seminar entitled 'Unish-Bish Shataker Mahila Sahityiker Kalame Nari' Organized by Department of Bengali, Michael Madhusudan Memorial College, Durgapur. Sponsored by Department of Higher Education, West Bengal. Title of Presentation.: "Unish Shataker Mahila Oupanyasiker Uponyase Atmanusandhan."

28.11.2019-29.11.2019. Delivered a lecture in an International Seminar entitled 'Ishwarchandra Vidyasagar: Srashta O Srishti' organized by Department of Bengali, Kandra Radhakanta Kundu Mahavidyalaya, Kandra. Title of Presentation "Bidhaba Bibaha Bishaye Vidyasagar O Ek Anama Byaktitya".

23.02.2020. Chaired a session in the International Seminar entitled 'Together Towards Tomorrow: The Role of Persian, Marathi, Hindi and Other Languages for Sustainable Development' jointly organized by Department of Arabic, Persian, Urdu and Islamic Studies, Visva-Bharati; Department of Marathi, Visva-Bharati; and Rajbhasha Cell, Visva-Bharati, Santiniketan. Title of Session.: 'Academic Session-VII'.

23.02.2020: Delivered a lecture at Valedictory Session in the International Seminar entitled 'Together Towards Tomorrow: The Role of Persian, Marathi, Hindi and Other Languages for Sustainable Development' jointly organized by Department of Arabic, Persian, Urdu and Islamic Studies, Visva-Bharati; Department of Marathi, Visva-Bharati; and Rajbhasha Cell, Visva-Bharati, Santiniketan. Title of Presentation "Eksonge, Ekdike, Agami Dine: Bangla Bhasha Niye".

### **Shreela Basu**

10.06.2019. Delivered a Lecture at Tagore Centre UK. London, UK. Title of Presentation-"Tagore's Journey to Persia and Iraq- A different dawn".

19.06.2019: Delivered a Lecture at Wolfsan Lecture Theatre, SOAS University of London UK. Title of Presentation: "European Influence in Bengal Temple Terracotta".

18.08.2019. Delivered a Lecture at Indira Centre, Visva-Bharati Santiniketan. Title of Presentation: "Englande Bangashilpa-charchar Abhiggata".

### **Biswajit Ray**

23.06.2019: Presented a paper in an International Conference jointly organized by Asiatic Society and Vidyasagar University. Title of Presentation. 'Ishwarchandra Vidyasagar, Vernacularization and Identity Formation'.

21.09.2019: Presented a paper in the National Seminar on Vidyasagar, organized by The Bhawanipur Education Society College, Kolkata. Title of Presentation. 'Language Policy of Ishwarchandra'

20.02.2020: Presented a paper in the International Conference organized by Uluberia College, Howrah. Title of Presentation- 'Rethinking Pre-colonial as a Discursive Category'.

### **Milan Kanti Biswas**

23.09.2019-24.09.2019 Delivered an Invited Lecture in the National Seminar entitled "Jaydeb O Paroborti Bangla Anushari Sahitya" organized by Kabi Jaydeb Mahavidyalay. Title of Presentation: "Jaydeb o Baishnab Padabali".

26.09.1019: Delivered an Invited Lecture in the National Seminar entitled 'Ishwarchandra Vidyasagar: Jiban, Sahitya O Sanskriti' organized by Durgapur Government College. Title of Presentation : "Samaj

Sanskarak Vidyasagar".

Extension activities:

In-Charge of Seminar Library. Member of Departmental NAAC Committee.

### **Payel Mukherjee**

22.02.2020-23.02.2020. Chaired a session in an International Seminar entitled "Together Towards Tomorrow : The Role of Persian, Marathi, Hindi and other Languages for Sustainable Development", organized by the Department of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati, Santiniketan.

23.02.2020. Delivered a lecture in the International Seminar entitled "Together Towards Tomorrow : The Role of Persian, Marathi, Hindi and other Languages for Sustainable Development", organized by the Department of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati, Santiniketan. Title of presentation: 'Samajbadaler Swapno O Badal Sircar-er Third Theatre'.

31.03.2019-02.04.2019. Delivered a lecture in an International Conference organized by Bangiya Society for Literature and Culture, Santiniketan, West Bengal, India & Bangiya Society for Literature and Culture, Dhaka, Bangladesh. Title of presentation. 'Bangalir Theatre . Atmaparichayer Sandhan'. Professional Development Programme:

Completed 'Parangat' (July-November 2019) Rajbhasha Hindi Course organized by Central Hindi Training Institute, Department of Official Language - MHA.

15.11.2019-21.11.2019. Participated in the Short-Term Course on "Use of Open Source Software and Online Support System in Higher Education and Research", University Grants Commission, HRDC, Burdwan University.

Completed 'Parangat' (January-May 2019) Rajbhasha Hindi Course organized by Central Hindi Training Institute, Department of Official Language - MHA.

### **Publications:**

#### **Books**

*Mrinal Sen : Chalochitrer Sandhane*, Manabendranath Saha, Kolkata, Saptarshi, January 2020, ISBN 9788-194-3875-03.

*Chalochitre Akhayaner Rupantar*, Manabendranath Saha, Kolkata, Parampara, January 2020, ISBN 978--93-88341-42-4.

*Gunamay Manna Upanyas Samagra*.ed. Manabendra Mukhopadhyay. Kolkata, EbongMushayera, April 2019. ISBN: 978-81-940171-2-7.

*Malati Puthir Ekchallish Prishtha O Anyanya*, Pasupati Sasmal, Atanu Sasmal (Ed.), Kolkata-09, Saptarshi Prakashan, October 2019, ISBN: 9789387158931.

*Bangla Gadya Bikasher Dharay Swami Vivekanander Gadya Rachana: Nana Prasanga*, Biswajit Ray, Kolkata, West Bengal State Book Board, July 2019, ISBN: 978-81-247-0790-6.

*Samparker Ek O Nana*, Biswajit Ray, Hooghly, Sisriksha, Dec 2019, ISBN: 978-81-942751-6-9.

*Jogajog*, Biswajit Ray, Kolkata, West Bengal State Book Board, Jan 2020, ISBN: 978-81-247-0750-0.

#### **Articles in Journals/ Chapters in Books:**

"Jatiyatabadi Bankimchandra O Dui Jatiyatabadi Oitihaisk", Sudip Basu, published in Swastika Puja Sankhya, 1426 BS.

"Cholo Jai' Borishal: Amiya Chakroborti", Sumita Bhattacharyya, 'Orchestra', Berhampore,

Murshidabad, West Bengal.

"Nata Samrat Dr. Sri Ram Lagoo", Manabendranath Saha, *Masik Krittibas*, February 2020,

"Bharatiya Chalochitre Dangar Rupayan", Manabendranath Saha, *Masik Krittibas*, March 2020,

"Akhayner Chalochitryan: Ramapada Chowdhurir Uponyas", Manabendranath Saha, *Akhayaner Chalochitrayan*, Ed. Sushil Saha, Kolkata, Diya Publication, September 2019, ISBN 978-93-87003-2-8.

"Kamalkumarer Kathachinna O Du-charti Galpo", Manabendra Mukhopadhyay, *Prasanga: Kamalkumar*, Ed. Munshi Md. Saiful Ahamed, Kolkata, Uralkatha, January 2020, pp. 201-209, ISBN: 978-93-83200-71-2.

"Prabuddha Ashrukumar", Manabendra Mukhopadhyay, *Ebong Mushayera*, Kolkata, April-June 2019, pp. 65-69, ISSN: 0976-9307.

"Rabindranath O Uttara", Shreela Basu, *Sumitakhkhar*, Ed. Alok Chakroborti, Ashadeep, Kolkata, Nov 2019, ISBN 978-88868-29-7.

"Bhasa Bhabchen Vidyasagar", Biswajit Ray, *Iswarchandra Vidyasagar: Byekti O Byektitwo*, Ed. Arnab Nag, Kolkata, Akshar Prakashani, Jan 2020, pp. 310-318, ISBN: 978-93-83161-12-6.

"Rurota Mamotari Namantar", Biswajit Ray, *Ashok Mitra: Smriti O Katha*, Ed. Pranab Biswas, Kolkata, Anustup, Aug 2019, pp. 187-198, ISBN: 978-93-88123-14-3.

"Rabindranath and His Times", Biswajit Ray, *Cambridge Companion to Rabindranath Tagore*, Ed. Sukanta Chaudhuri, Cambridge University Press, Jan 2020, pp. 27-48, ISBN: 978110849942.

"Ashrukumarer Sahityapathriti", Biswajit Ray, *Parichaya* (UGC referred journal), July-Oct 2019, pp. 87-91, ISSN: 2321-936X.

"Rabindra Sahitye Samanway Bhavana: Prekshit Baul Gan", Milan Kanti Biswas, *Samanway Sadhana: Prekshit Lokosanskriti* Ed. Abdul Rahim Gazi, Kolkata-09, Bangiya Sahitya Samsad, July 2019, pp. 361-373, ISBN 978-93-889-88-16-2.

"Sundarban Anchaler Lokayoto Brittikendrik Lokosanskrit", Milan Kanti Biswas, *Livelihood Promotion Bio-Diversity Conservation and Social Security in Indian Sundarbans*, Ed. Bholanath Mandal, Palash Mnadal and Indrabrata Bhattacharya, New Delhi, 2019, pp. 779-786, ISBN 978-93-88879-26-2.

"Jal: Loukik Jiban O Sahitye", Milan Kanti Biswas, *Abhiyatri Feri* (UGC Enlisted Research Journal (SL no 42286), Ed. Achintya Biswas, Special issue no 30, June 2019, pp. 29-36, ISSN No 2231-2862.

"Manoj Mitrer Natak", Payel Mukherjee, *Samayer Ameo Adhare Manoj Mitra*, Ed. Mukul Bandhyopadhyay, Kolkata, Bangiya Sahitya Samsad, December 2019, pp. 202-216, ISBN : 978-93-88988-31-5.

## Department of English

### Departmental Profile:

The Department of English has remained prominent since 1951, when Visva-Bharati became a Central University. The Department offers B.A. (Honours), M.A., M.Phil and Ph.D Courses in English. The Department of English remains distinguished by the UGC award of the DRS SAP Programme to conduct research on "Rabindranath Tagore: East-West Confluence". DRS SAP Phase I has been successfully completed during 2009-2014, leading to the award of Phase II of the Programme during 2015-2020.

### JRF / NET Qualified Candidates:

1. Agniva Roy 2. Srijita Chowdhury 3. Kalyan Mandal 4. Vickey Prasad 5. Monami Goswami (JRF) 6. Shabnur Parveen 7. Anwesa Chattopadhyay 8. Suklal Saren 9. Sudipta Kumar Paul (JRF) 10. Atreyee Chakraborty 11. Pintu Naskar 12. Debottama Ghosh 13. Tapas Das 14. Sriya Das 15. Rajesh Das

### NET/JRF December 2019

1. Agniva Roy 2. Atish Das (JRF) 3. Atreyee Chakraborty 4. Kalyan Mandal 5. Pallabi Chowdhury 6. Rina Biswas 7. Sabnaj Parvin 8. Sayantan Chakraborty 9. Shabnur Parveen 10. Sharmistha Pal 11. Somnath Ghosh 12. Srijita Chowdhury 13. Tapas Das 14. Mohor Mukherjee

### Departmental Activity:

05.07.2019: Special Lecture delivered by Dr. Poulomi Chakraborty of the Department of Humanities, IIT-Mumbai on "Women and the Political in Mid-twentieth Century Narratives in India: Prison Narratives."

06.07.2019: Special Lecture delivered by Dr. Poulomi Chakraborty of the Department of Humanities, IIT-Mumbai on "Re-scripting 'Home and the World,' Re-composing 'Woman': Sabitri Roy's *Swaralipi*."

03.09.2019: A Talk by Dr. Sudeshna Majumdar on "Serpentina within Pyramid: A Look into 18th-century English Culture through Literature and Painting."

12.03.2020: Special Lecture delivered by Verna Blewett on 'The Art of Kiran Sinha.'

### National and International standard Conference /Seminar /Workshop / Exhibition : Abhijit Sen

05.03.2019. Participated as an invited speaker and chaired a session in the International Conference entitled 'English Romanticism and Bengali Literature' organized by the Department of English & Modern Languages, Independent University, Bangladesh, at Dhaka. Title of Plenary Talk- "Beauty and Truth: The Romantic quest in Keats and Rabindranath".

### Amrit Sen

16.11.2019-18.11.2019. Chairman, Organizing Committee and Delivered the Valedictory Address at the International Conference entitled "The Development of Rural Tourism in and Around Birbhum" held at Santiniketan, organized by the Department of Tourism in collaboration with Visva-Bharati.



20.11.2019: Delivered a Special Lecture at the Department of English, Surendranath College for Women. Title of Presentation- "Radical in Form but Conservative in Ideology: The Murder of Roger Ackroyd".

26.11.2019: Delivered a Special Lecture at the Department of English, Gokhale College. Title of Presentation- "Rereading Romanticism."

06.12.2019: Delivered a Special Lecture at the Department of English, Chakdaha College. Title of Presentation- "The Murder of Roger Ackroyd within the Canon of Detective Fiction".

13.12.2019: Delivered two lectures at the Refresher Course in English entitled "Postcolonial Thought and Literature" organised by the HRDC, University on Burdwan. Title of Presentations- "The Postcolonial After life of Robinson Crusoe" and "The Third Spaces of Postcolonial Literature".

24.02.2020: Delivered a Special Lecture at the Department of English, New Alipore College, Kolkata. Title of Presentation-"That Dressing Table': The Rape of the Lock and the World of Colonial Objects".

12.03.2020: Delivered a Special Lecture at the Department of English, MUC College, Burdwan. Title of Presentation- "The Eighteenth Century Through Faces".

18.04.2020: Delivered a Plenary Address at the National Tourism and Heritage Seminar 2019 (NTHS 2019) organized by Dept. of Travel & Tourism Management, School of Tourism and Hotel Management (STHM), NSHM Knowledge Campus - Durgapur, West Bengal supported by Ministry of Tourism, Govt. of India on 17th and 18th April 2019. Title of Plenary Address- "Hospitality: its Philosophy".

### **Ananya Dutta Gupta**

20.11.2019: Delivered a Special Invited Lecture at Surendranath College for Women. Title of Presentation-"Where non-sense makes for common sense: Carroll's Topsy-turvy World".

14.11.2019-16.11.2019: Presented a paper in the International Conference entitled "'Renaissance Man': Re-Appraisal and Re-Invention" at the Department of English, Jadavpur University, Kolkata. Title of Presentation-"Gascoigne's Jocasta and the Woman in Renaissance Cities under Siege".

### **Other Academic Experience:**

01.03.2020. 'Coming of Age in Bengal', In Conversation with novelist Saikat Majumdar, *Nabanna Earth Weekend*, Literary Festival.

Hosted and organised several special lectures at the department by international and national faculty, notably Verna Blewett and Poulomi Chakraborty.

### **Debarati Bandyopadhyay:**

13.06.2019: Conducted a one-day long Academic Writing Workshop organized by the London Centre for Interdisciplinary Research (LCIR) at Birkbeck College, University of London, UK.

14.06.2019. Made an Invited Presentation at the Gender Studies Summer School held during 8-14 July 2019 organized by the London Centre for Interdisciplinary Research (LCIR) at Birkbeck College, University of London, UK. Title of Presentation- 'Ecofeminism: A Radical Review-tool in Gender Research'.

### **Dipankar Roy**

10.06.2019-11.06.2019: Presented a paper in the National seminar entitled "Contesting the Site of Sights: The Discourse of Visual Media Cultures With Special Reference to Northeast India", organized by The Dept. of ELE and the Dept. of JMC The English and Foreign Languages University Shillong Campus, in association with Maulana Abul Kalam Azad Institute for Asian Studies, Kolkata, and Indian Council of Social Science Research NERC, Shillong. Title of Presentation- "Visual Culture as Ideology and Ideology in the World of Advertising".

11.09.2019: Delivered a Special Invited Lecture at the Department of English, Kazi Nazrul University, Asansol. Title of Presentation- "Saussure and Structuralism" .

27.11.2019: Delivered a Special Invited Lecture at the Department of Bengali, Presidency University, Kolkata. Title of Presentation- “রবীন্দ্রনাথের রাজনৈতিক উপন্যাস পাশ্চাত্য আখ্যাতত্ত্বের আলোয়” ("Studying the Political Novels of Tagore in the Light of Western Narratological Theories").

### **Saurav Dasthakur**

29.08.2019: Delivered invited lecture as a part of A Series of Lectures on Popular Literature organised by Department of English, K. K. Das College, Garia, Kolkata, in collaboration with New Alipore College, Kolkata. Title of Presentation- “Nonsense and the Nation: Notes towards reading *Abol Tabol*”.

17.01.2020: Delivered invited lecture in National Seminar entitled "Literary Texts: Re-reading Issues and Exploring Interpretations" organised by Department of English, Sukanta Mahavidyalaya, Dhupguri, Jalpaiguri. Title of Presentation- "Revisiting Modernism: Rereading *Mrs Dalloway and Passage to India*".

### **Stuti Mamen**

5.3.2020 - 8.3.2020: Presented a paper as part of the session "Who Belongs, Who Does Not: The Use of Comics as Literatures of Resistance" in the 51st Annual Convention of Northeast Modern Language Association 2020 organised by Boston University and University at Buffalo, USA. Title of Presentation- "Buy the People: Exploring Dissent, Marginality, and Marketability in the Indian Comics Scene".

### **Sudev Pratim Basu**

14.08.2019: Delivered an audio-visual presentation as Invited Resource Person in the Workshop entitled "Appreciating American Cinema", at the Jadavpur University Society for American Studies (JUSAS) Film Appreciation. Title of Presentation- "Science Fiction Films and Problems of Categorisation".

01.03.2020: Acted as a moderator in conversation with graphic designers Pinaki De and Debasis Mukhopadhyay at the session on "Comics of Bengal: Then and Now" at the *Nabanna Earth Weekend - A Festival of Art & Ideas* as part of the Nabanna - Folk Art & Craft Fair (29 February - 11 March 2020) at the Gitanjali Cultural Complex, Bolpur, organised by the Suresh Amiya Memorial Trust (SAMT).

### **Swati Ganguly**

14.11.2019: Presented a paper and chaired a session in the Conference titled in the three-day International Conference(14.11.2019-16.11-2019) entitled " Renaissance Man': Re-appraisal and Re-invention" organized by the Centre of Advanced Study, Department of English, Jadavpur

University. Title of Presentation- "The Portrait of the Artist as a Homosexual?' Freud's Psycho-Biography of Leonardo da Vinci".

27.01.2020: Invited to present a paper in UGC SAP DRS National Conference entitled "Responsibility, Guilt, Forgiveness: Exploring Affective Categories of Border Crossing Events" Organized by the Department for English and Culture Studies, University of Burdwan. Title of Presentation- 'Qissa: Spectres of Patriarchal Desire in the Time of Punjab Partition'.  
03.02.2020: Delivered one of the Plenary Talks at the 5-day International Workshop (3.2.2020-7.2.2020) entitled "Under the Mango Tree" organized by Sanchayan Ghosh of the Department of Painting, Kala-Bhavana. Title of Plenary Talk- "Rabindranath Tagore and the founding of Visva-Bharati".

05.02.2020: Presented a PPT with visuals of the early days of Visva-Bharati, Santiniketan at the 5-day International Workshop (3.2.2020-7.2.2020) entitled "Under the Mango Tree" organized by Sanchayan Ghosh of the Department of Painting, Kala-Bhavana.same workshop (on the special request of the participants from abroad.)

### **Tanuka Das**

31.03.2019 - 02.04.2019: Presented a paper in the International Conference organized by the Bangiya Society for Literature and Culture, Santiniketan, West Bengal, India & Bangiya Society for Literature and Culture, Dhaka, Bangladesh held at Bangladesh Bhavan, Visva-Bharati, Santiniketan, West Bengal, India. Title of Presentation- "Tagore's Thoughts on Education and Western Thinkers."

### **Tapu Biswas**

24.11.2019-25.11.2019. Participated at the Workshop on Research Methodology organized by the Central Library, Visva - Bharati.

23.02.2020: Presented a paper on Badal Sircar in Marathi Language organized by Persian Department. Visva- Bharati.

### **Publication**

Books:

*New Ways in English Literature* by James H. Cousins 1917 co-edited by Goutam Ghosal Delhi: Authorspress, 2019. ISBN: 978-93-89615-28-9.

*Rabindranath Tagore : A Life of Intimacy with Nature* by Debarati Bandyopadhyay. New Delhi: Rupa, 2019. ISBN: 978-93-5333-456-7.

### **Articles in Journals/Chapters in Books:**

'Through the Looking Glass: Purulia and Poverty', by Ananya Dutta Gupta *Café Dissensus Everyday*, 10 March 2020, <https://cafedissensusblog.com/2020/03/10/through-the-looking-glass-purulia-and-poverty/ISSN 2373-177X>.

Of Elements and Other Poems, by Ananya Dutta Gupta *Muse India Literary Journal*, ISSN: 0975-1815, 5 March 2020, Issue 90, Spring (March-April), <http://www.museindia.com/Home/View Content Data? arttype = poems & issid = 90 & menuid = 8767>

'Nowhere to Go: Apocalypse as a Mother Sees It', by Ananya Dutta Gupta *Café Dissensus*

*Everyday*, 27 December 2019. <https://cafedissensusblog.com/2019/12/27/poem-nowhere-to-go-apocalypse-as-a-mother-sees-it/> ISSN 2373-177X.

'Mauritius: Paradise or Utopia?', by Ananya Dutta Gupta *Café Dissensus Everyday*, 3 October 2019, ISSN 2373-177X, <https://cafedissensusblog.com/2019/10/03/mauritius-paradise-or-utopia/>

"Hungry Stone": Colonial Uncanny and the Return of the Repressed" by Dipankar Roy in *Tagore, Nationalism and Cosmopolitanism: Perceptions, Contestations and Contemporary Relevance*. Ed. Mohammad A. Quayum. London: Routledge, January, 2020, pp 197-211.

"Sri Aurobindo: Poetry at the Centre of Knowledge" by Goutam Ghosal in *The Philosophy of Sri Aurobindo: Indian Philosophy and Yoga in the Contemporary World*. ed. Debidatta Aurobinda Mahapatra, New York: Bloomsbury, 2020.

'Miraculous Heart of the Unknown': Sri Aurobindo's "Rose of God" by Goutam Ghosal ( co-author) *Literary Voice*, ISSN 2277-4521 Number 12 Volume 1 March 2020.

"On Music and Memory: Rabindranath Tagore's Songs of Nature in the Age of Nationalism" by Saurav Dasthakur in *Tagore, Nationalism and Cosmopolitanism : Perceptions, Contestations and Contemporary Relevance*. Ed. Mohammad A. Quayum. London: Routledge, 2020.

"Reclaiming Agency and Exploring Freedom through Participation in Seances: A Study of the Victorian Women's Interest in Spiritualism." by Shaona Barik *Osmania Journal of English Studies*, Dept. of English, Osmania University, Hyderabad (2019): pp. 25-37. ISSN: 0474- 8107.

'Sympathetic' Appropriations of Kali and the Tantras: Reflections on Religious and Cultural Negotiations during the Colonial Era." by Shaona Barik *Jadavpur University Essays and Studies*, vol. XXXII (2019) : pp. 174-188. ISSN : 0975- 3478.

"A Study of the Victorian Women's Interest in Spiritualism." by Shaona Barik *The Confidential Clerk* (Centre for Victorian Studies, Jadavpur University), vol.5 (2019): pp. 86-98. ISSN: 2454-6100.

Review article by Swati Ganguly. 'A Bengali Bride in the Land of the Rising Sun: A Review of Somdatta Mandal's *The Journey of a Bengali Women in Japan and Other Essays* *Rupkatha Journal of Interdisciplinary Studies in Humanities*, Vol. 11, No.2. Oct-Dec, 2019, 1-4. (ISSN 0975-2935)

'His Master's Voice: Rabindranath's response to Rajani Ranjan Sen's Translations', by Swati Ganguly Debarati Bandyopadhyay (ed) *Essays on Tagore and Translation* ( Santiniketan: Birutjatiyo 2019) 119-132. ISBN 978-81-939765-4-8

"Is She a Dalit ? : A Study of Portia in The Merchant of Venice" by Tanuka Das published in *Yearly Shakespeare : A Peer Reviewed Journal* published by Goutam Ghosal from Sri Aurobindo Nilay, Santiniketan 731235, 2019: West Bengal, India. ISSN 0976-9536

25 September, 2019. An article entitled 'Charu's awakening: a study of Rabindranath Tagore's "Broken Nest" by Tanuka Das published in *Langlit: An International Peer-Reviewed Open Access Journal* (ISSN 2349-5189, Impact Factor-5.61) Vol.6 Issue 1. <http://www.langlit.org/>

"Centrality Fails, Marginality Wins: A Study of Humanity in Sharatchandra Chattopadhyay's Short Story 'Abhagir Swargo' " by Tanuka Das in *Literary Innovations: A Bi-Annual International Peer Reviewed Journal* .Special Issue on Literature of the Marginalized (Vol.XI-Issue1).Published by Dr. S.Chelliah, Madurai Kamraj University, Madurai; Chief Editor, Literary Innovations, Tirupur, Tamilnadu. ISSN 2279-0128.

## Department of Hindi

**Departmental Profile:** The study of Hindi language and literature became an important and integral part of the then Vidya Bhavana, The Centre of Higher Learning of Visva-Bharati in 1938. The Programme of Hindi Studies was drawn up under the able guidance of Pandit-Hazari Prasad Dwivedi. The foundation of Hindi Bhavana was laid down by C. F. Andrews, Kshitimohan Sen and the tireless endeavour of Banarasidas Chaturvedi on 31 January 1939. The study of medieval Hindi literature and Saint-literature were of great interest to Poet Rabindranath Tagore. Kshitimohan Sen himself was veteran scholar of this literature. At present this Department of learning is carrying on research on Modern and Medieval literature, Comparative literature and Rabindra literature in Hindi translation. Also undergraduate, postgraduate and M.Phil studies in Hindi literature and functional Hindi as well as Certificate Course and Diploma Course are in the Curriculum along with one year Foreign Casual Course.

### **JRF / NET/ SET qualified Candidates:**

1. Manoj Mallah (SET)
2. Kalu Tamang (NET)
3. Gyanendra Mishra (NET)
4. Anuparma (NET)
5. Mamta Kumari (NET)
6. Prity Singh (NET)
7. Siddhinath (NET JRF)

### **Departmental Activities:**

18.08.2019. Tulsi Jayanti was observed in the Department. The chief orator was Prof. Radhakant Mishra, the former Professor of Hindi, Ravenshaw University, Cuttack.

15.09.2019. Hindi-Diwas was observed in the Department. All the faculty members were present and delivered their speech on 'Rajbhasattindi Mahatwa'. The members were Prof. R. P. Mishra, Prof. M. R. Singh, Prof. C. Tripathy, Prof. M. N. Tiwary, Prof. S. Mishra, Prof. R. N. Mishra, Dr. S. C. Ray, Dr. J. Bhagat, Dr. A. Kumar & Dr. S. Kumud.

03.10.2019. Halwasia Memorial lecture for the year 2019 was held in the Department in which Prof. Surya Prasad Dixit, the ex. Prof. & Head, Lucknow University delivered a lecture. Title of presentation: "Chhayavad ki Parakh Aur Pahchan."

04.11. 2019- A National Seminar entitled "Hinditar Bhasa Bhasi Pradeshon ke lekhakon, Sahityakaron Ke Hindi lekhan ki Disha Aur Drusti" Jointly organised by Surya Sansthan, New Delhi & Department of Hindi, Visva-Bharati. The dignitaries of Hindi language and literature from the state & outside the state delivered their valuable lectures on the subject.

17.01.2020 - Special lecture Programme entitled "Hindi Vyakaran Vislesan ki Padhatiyan" delivered by Prof. Tatiana Oraskaia from Hamburg Univesity, Germany.

29.01.2020. Devakinandan Shrivastav Endowment Lecture for the Year 2019 was held in the Department in which Prof. Nandakishore Pandey, Director, Kendriya Hindi Sansthan, Agra delivered lecture on the topic "Sant Sahitya vivid Ayam".

03.02.2020.Special Lecture Programme entitled "Hindi Laghu Katha Main Dharm Aur Himalaya"

delivered by Prof. Nicola Poza from Lausanne University, Switzerland in the Department.  
04.02.2020. A Special Lecture Programme entitled "Hariya Harculiz Ki Hairani" delivered by Nicola Poza from Switzerland.

10.02.2020. Hazari Prasad Dwivedi Memorial Lecture entitled "Madhyakalin Das Guru Parampara Aur Bhakti Andolan" delivered by Prof. Kuldeep Chand Agnihotri, Vice-Chancellor, Himachal Pradesh Central University.

**Participation in National and International standard Conference /Seminar /Workshop / Exhibition:**

**Rameswar Prasad Mishra**

30.08.2019. Delivered a talk on the Programme of 'Bhasa Baibhab' at Bhasa-Bhavana, Visva Bharati. Title of presentation "India of Bhakti movement and Tagore School of Thought".

26.09.2019-27.09.2019. Presided and delivered a talk in a seminar entitled 'Indian Literature and National integration, at IGNOU, New Delhi.

14.01. 2020: Delivered a talk in a National Seminar at Shivaji College, New Delhi. Title of Presentation "Kamayani and Gitanjali".

05.02.2020- 07.02.2020. Presided a Session in a National Seminar entitled "Chhayabadi Philosophy of Nirala" organized by MGIHU University Wardha and Hindi Prachar Samiti, Bolpur.

**Manjurani Singh**

21.11.2019. Delivered a lecture in a National Seminar Organised by St. Xaviers College, Ranchi. Title of Presentation "Hindi Yuba lekhan Aur Mahatma Gandhi".

19.12.2019. Delivered a lecture in a National Seminar organized by Ranchi University. Title of Presentation 'Sanskriti ke Char Adhyaya ki Sanskritik Chetana' and 'Rastrakavi Dinkar ki Kaljayita'.

20.12.2019. Two lectures Delivered in a Refresher Course organised by Ranchi University, Ranchi funded by UGC. Title of Presentation-'Nirala ki Shaktipuja' and 'Kamayani ki Strichetana'.

Honour / Recognition

02.06. 2019. Received 'Sahityakar Samman' from social worker Smt. Nirmal Waliya Samrpan Bhavan, Vikashpuri, New Delhi.

**Chakradhar Tripathi**

07.08. 2019. Presided and Presented a paper in the one day Seminar entitled Tulsi Jayanti Samaroh, organized by Seth Surajmal Jalan Pustakalay, Kolkata. Title of Presentation: "Prachya aur Pashatya Nikashon par Tulsi Das".

08.02.2020: Participated in the National Seminar entitled "Hindi Sahitya me Avadh ka Yogdan" organized by M.D.P.G. College, Pratapgarh and Hindustan Academy, Prayag Raj at M.D.P.G. College, Pratap Garh, U.P.

22.06.2019-26.06.2019. Participated in the Workshop on Hindi Etymological Dictionary, M.H.R.D., Deptt. of Education , R.K.Puram, New Delhi.

19.08.2019-23.08.2019. Participated in the Workshop on Hindi Etymological Dictionary, M.H.R.D., Deptt. of Education , R.K.Puram, New Delhi.

25.11.2019. Participated in the Workshop on Hindi Etymological Dictionary, M.H.R.D., Deptt. of Education , R.K.Puram, New Delhi.

### **Mukteshwar Nath Tiwari**

13.09.2019. Two Special Lectures at Rabindra Bharati University, Kolkata. Title of Presentation.'Unnishabi Sadi ke Angreji Samikshak'.

16.09.2019. Chief guest Oration at BHEL Bhavan, Salt Lake, Kolkata. Title of the presentation 'Hindi ka Mahatwa.'

24.09.2019. Delivered a lecture at S. M. College, T. M. Bhagalpur University, Bhagalpur. Title of Presentation.'Sahitya ka Prayojan naya Sandarbh'.

21.10. 2019: Delivered a Lecture at Kazi Nazrul University, Asansol. Title of Presentation- 'Hindi Upanyas aur Sanjeev'.

14.11. 2019: Delivered a Lecture and Chaired a Session in the National Seminar entitled 'Samakalin Kabita ke Swar' at North Bengal University.

27.11. 2019: Chaired a session in a National Seminar entitled 'Chayawad ke Shoubarsha' at North Bengal University.

28.11.2019: Delivered a lecture in the National Seminar entitled 'Chayawad ka Pradeya' organised by Rabindra Bharati University, Kolkata.

19.12.2019: Delivered Refresher Course lectures (two) on 'Chintamani Bhag-1' at ASC, Ranchi.

03.03. 2020. Chaired a 'Bhasa Baibhav', Session at Bhasha-Bhavana, Visva-Bharati, Dr. Dukhia Murmu delivered a lecture on the contribution of P.O. Bodding in Development of Santali literature.

Membership

Research Board, Kazi Nazrul University, Asansol.

Research Board, Rabindra Bharati Univesity, Kolkata.

Research Board, Coohbehar Panchan Barma University, Coohbehar.

Advisory Board

Satrachie Journal, Patna, ISSN-2348-8425.

Muktanchal Journal, Howrah, ISSN-2350-1065.

### **Rabindranath Mishra**

18.08.2019. Chaired Tulsi Jayanti on 'Tulsi ka Manas' at Hindi-Bhavan, Visva-Bharati.

03.09.2019. Presided over the meeting of Halwasia Vyakhyanmala by Surya Prasad Dixit entitled 'Chayawad ki Parakh aur Pahachan" held at Hindi-Bhavana, Visva-Bharati.

09.11.2019. Delivered Keynote address in a National Seminar Organised by Surya Sansthan New Delhi & Hindi Dept. of Visva-Bharati. Title of Presentation "Hinditar Bhasha Bhashi Pradesh ke Lekhakon, Sahityakaron ke Hindi Lekhan ki Dasha aur Disha".

08.12. 2019. Delivered a lecture in an International Seminar organised by Centre for Buddhist Studies at Visva-Bharati, Santiniketan. Title of Presentation- "Ahinsha, Manabatabad aur Baudha Dharma".

23.12. 2019. Delivered a lecture in a National Seminar entitled "Chayabad ki Pradhangikata aur Punarmulankan" organised by Govt. Autonomous College, Raurkela, Odisha.

17.01. 2020. Chaired a Special lecture Programme entitled "Hindi Vyakarana Vishleshan ki Paddhatiyan", delivered by Prof. Tatiana Oraskaia, from Humburg University, Germany.

29.01. 2020: Presided over Devakinandan Shrivastava Memorial lecture Programme entitled "Sant Sahitya : Vividh Ayam" by Prof. Nandakishore Pandey, Director, Central Hindi Institute, Agra.

03.02. 2020. Chaired a Special lecture Programme entitled "Hindi Laghukatha me Dharma aur

Himalaya" delivered by Nicola Poza, from Lausanne University, Switzerland.

03.02.2020. Chaired a Special lecture Programme entitled "Hariya Harkulis ki Hairani" by Nicola Poza from Lausanne University, Switzerland. In the Deptt.of Hindi, Visva-Bharati.

15.02.2020. Presided over the Hazariprasad Dwevedi Memorial lecture Programme entitled "Madhyakalin Dasguru parmpara aur Bhakti Andolan" delivered by Prof. Kuldeep Chand Agnihotri, Vice-Chancellor of Himachal Pradesh Central University, at Deptt. of Hindi, V.B.

23.02.2020: Delivered a lecture in the International Seminar organized by Bharatiya Bhasaparisad & Deptt. of Hindi, Lucknow University, Lucknow. Title of Presentation "Purbanchaliya Hindi Sahitya : Odisha me Hindi ki Dasha aur Dristhi".

24.02.2020. Chaired a Bhasa Baibhab Session Where Prof. M. R. Singh Delivered a lecture entitled 'Nirala ki Sahitya Sadhana' at Bhasa Bhavana, Visva-Bharati.

26.02.2020: Delivered a lecture in the P.G.Deptt, Of Hindi, at Shailabala Autonomous College, Cuttack, Odisha. Title of Presentation "Bhakti Sahitya ki Prasangikata".

### **Subhash Chandra Roy**

18.08.2019- 20.11.2019 : Participated in the Hindi Bengali Dictionary Workshop organized by Central Hindi Institute, Agra at Visva-Bharati, Santiniketan.

03.09.2019: Anchored Halwasia Memorial Lecture organized by Deptt. of Hindi, Visva-Bharati.

09.11.2019: Delivered a lecture in a national Seminar Jointly organized by Surya Sansthan, New Delhi and the Department of Hindi, Visva-Bharati, at Santiniketan.

15.11.2019. Participated in the Hindi Bengali Dictionary Workshop organised by Central Hindi Institute, Agra.

27.01.2020: Participated and delivered a lecture at Deoghar, Book fare, Deoghar.

29.01.2020: Anchored Devakinandan Swhrivastav memorial lecture organised by Deptt. of Hindi, Visva-Bharati.

16.03.2020 - 21.03.2020: Participated in the Hindi Bengali Dictionary Workshop organised by C.H.I, Agra, at Visva-Bharati.

Honour

02.06.2019: 'Visisth Sahityakar Samman' by Dr. Nirmalwalia Abhinandan Granth Lokorpan Samaroh, New Delhi.

### **Jagadish Bhagat**

30.06.2019.Participated in and successfully completed a workshop on Research methodology, A.K.Dasgupta Center organised by Planning and Development, Visva-Bharati.

09.11.2019. Delivered a Lecture organised by Surya Sansthan Noida, at Visva-Bharati. Title of Presentation- 'Hinditar Bhasa bhasi Lekhakon ke Hindi Lekhan ki Dasa Aur Disha'.

07.02.2020: Delivered a Lecture in a National Seminar organized by MGAV and Bolpur Hindi Prachar Sabha. Title of Presentation-"Chhayavadi Alochak : Nirala".

22.02.2020-23.02.2020. Delivered a Lecture in an International Seminar, Organised by Deptt, of Arabic, Pesian, Undu & Islamic Studies, at Visva-Bharati, Santiniketan. Title of Presentation.'Role of Muslim Writers in Hindi Literature'.

### **Arjun Kumar**

24.11.2019 -25.11.2019.Participated in a two day workshop entitled 'Research methodology' at



Visva-Bharati Library, Santiniketan.

05.02.2020- 07.02.2020 . Delivered a lecture in the National Seminar entitled 'Chayabadi Kabya me Sanskritic aur Darshanik Chetana' organized by MGIHV, Wardha, at Bolpur, W.B.

22.02.2020- 23.02.2020: Delivered a lecture in the International Seminar organised by Arabic, Urdu & Persian Deptt. of Visva Bharati. Title of Presentation 'Satat Samposhniy Vikas.'

### **Shruti Kumud**

05.02.2020- 07.02. 2020: Participated in a National Seminar organized by Hindi Shikshan Adhigam Kendra MGAHV, Wardha.

### **Publications:**

#### **Books:**

*Mahadevi ke Sahitya ka Gadya Parva* by Mukhteswar Nath Tiwari 2nd edition, January 2020 'Aman Prakashan, Kanpur, ISBN-978-93-85389-23-8.

*Andhi Gali* (novel in Hindi) translated by Rabindranath Mishra. Odisha Sahitya Academi, Bhubaneswar, Odisha-2020, ISBN-93876-3764-6.

*Barasganth ke Moukeper* of Rabindranath Tagore translated by Chakradhar Tripathi. Yash Publication, Delhi. 2020. ISBN-978-93-81490-67-9.

*Krushna Chander ki Pratinidhi Kahaniyan* edited by Chakradhar Tripathi. Khama Publishers, Delhi in 2019-ISBN-978-81-85495.

*Chintamani Sanchaya* edited by Chakradhar Tripathi. Khama Publishers' Delhi. 2019- ISBN-978-81-85495.

*Visva-Bharati Sar Sandarbhika* edited by Chakradhar Tripathi. Yash Publications-Delhi. 2020. ISBN-978-93-81490-66-2.

#### **Articles in Journals/Chapters in Books :**

'Prakashpounj Guru Nanakdev' by Manjurani Singh Published in 'Dur Aur Nazdik se' R. R. Prakashan, New Delhi, Nov.2019-ISSN No.-978-81-83, 90-290-0

"Dr. Nirmal Walia Abhinandan Granth Kitab Ghar", by Manjurani Singh Delhi, 1st Edition-2019 -ISSN No. 978-81-7016-998-7,.

"Santiniketan Se" Manjurani Singh in *Anaupcharika* - Nov.2019-ISSN No. 2581-981X, by Rajsthan Praudha Siksklya Samiti, Rajastan.

"Prakshpunj Guru Nanakdev", by Manjurani Singh Abhishek Prakashan New Delhi in Dec.2019-ISSN No.-978-81-8390-2213.

"Shantiniketan Se" by Manjurani Singh in *Anaupchirika*, March 2020-ISSN No. 2581-981X.

"Maharshi Manu's law & the Present Society" by Chakradhar Tripathi in Thai Prajna, International Journal of Indology by Silpakarm University, June.2019, ISSN No. 2587-9671.

"Rabindranath Thakur Samajik Samarasata ki Bharatiya Dristi' by Shakuntala Mishra in a Book named 'Bharatiya Sahitya mein Samarasata', Published by Akhil Bharatiya Sahitya Parisad, July 2019.

"Hindi Aur Bangla Bhakti Kavya mein Radha" by Shakuntala Mishra in a book "Purvottar ka Bhakti Kavya", Published by Akhil Bharatiya Sahitya Parisad, Gwalior in Sept. 2019. ISBN-No. 978-81-942460-1-5.

"Halwasia trust, C.F.Andrews Aur Santiniketan Ka Hindi Bhavana" by Rabindranath Mishra in

*Visva-Bharati Patrika*, vol.-75, March issue 2020, ISSN-2348-4977, Page-156-162.

"Adhunik Odia Sahitya" by Rabindranath Mishra in the Book *Adhunik Bharatiya Sahitya*, Takshashila Prakashan, New Delhi 2019, ISBN-978-81-7965-290-9, Page-69-102.

'Nishank ki Kavyatmak Bhabbhumi' by Jagadish Bhagat in *Visva-Bharati Patrika*, Vol. 74, Issu-2, July to Sept.2019-ISSN No.-2348-4977.

'Yatharth aur Katharth ke Alochak Rajendra Kumar' by Arjun Kumar in *Prayag Path*, Prayag Raj-Vol.7, Oct. 2019.Page-183-188.

'Samhavnaon ke Kavi Ashok Vajpayee' by Arjun Kumar in *Sahitya Setu* Hindi Academi, Hydrabad. Vol.22, Jan-March issue 2020, Page-40-47. ISSN No - 2348-6163.

'Pahar ki Pukar : Beera' by Arjun Kumar in *Visva-Bharati Patrika* Vol.75, Page.119-127, Oct. to March 2020, ISSN No. 2348-4977.

'Madhyavarg ka Shokgeet' by Shruti Kumud Published in 'Lamahi' Oct. Issue 2019, ISSN-2178-554X lamahi.

'Raushni ke Chakachaundh men Andhera dikhane ki Jaddojahad' by Shruti Kumud in 'Tadbhav' 40th issue 2019, UPHIN 49032 Page-298-302.

"Swatantryottar manusya ki Sangharshgatha' by Shruti Kumud in '*BAYA*' Jan. to Mar. issue 2020, ISSN. 2321-9853, Page.158-160.

'Paryatan Aur Sahitya : Jaad-e;rah Kashis-e-Kaaf-e Karam humko' by Shruti Kumud ISSN 2348-4977, March issue 2020, Page.145-155.

## Department of Sanskrit, Pali and Prakrit

### Departmental Profile:

Rabindranath Tagore in his education system had introduced Sanskrit as compulsory subject in academic curriculum since the inception of Brahmacharya Vidyalaya at Santiniketan in 1901. In the formative period of Visva Bharati the root of Sanskritic Studies was nourished by luminous scholars like Bidhusekher Sastri, Ksiti Mohan Sen, Sylvan Levei, Maurice Winternitz etc.

Vidya Bhavana came into being from 8th Poush, 1332 (in the last week of December 1925) with Pandit Bidhusekhar Sastri as its Principal. It offered various subjects including Sanskrit, Pali & Prakrit for various Degrees. Vidya Bhavana was more considered as a research institution with wide ramification. In 1972 when all the Bhavanas were restructured, Vidya Bhavana became the Faculty of Arts with 15 Departments including Sanskrit, Pali & Prakrit. The Department came under the newly framed Bhasha Bhavana in 2011.

The core teaching of Sanskrit, Pali & Prakrit was accorded the status of a separate and full-fledged Department in 1951 when Visva Bharati was christened as a Central University and an Institution of National Importance. It offers Under-Graduate, Post Graduate, Ph. D., Certificate, Diploma, Advanced Diploma, One Year Course for Foreign Students and Research Programmes etc. in Sanskrit, Pali & Prakrit. The Department introduced Semester system in B.A. (Honours) and M.A. level from 2011-12 session. The Department also introduced M.Phil course in 2014. Recitation of memorized sastric verses - a competition was conducted among the students and prizes were given away.

### UGC/CSIR/NET/SET Qualified Students:

Sl. No.	Name of the Students	NET/JRF/SET
1	Sukanya Senapati	NET
2	Jaganmay Biswas	NET-JRF
3	Ashis Mondal	NET
4	Ananya Barman	SET
5	Prosanna Saha	NET
6	Gunadhar Bhandari	NET
7	Basab Das	NET
8	Parajit Majhi	NET
9	Jagadish Mal	NET
10	Rikta Midya	NET
11	Abhirup Choubey	NET
12	Dibyendu Chatterjee	NET
13	Shrabani Das	NET
14	Anupam Mondal	NET
15	Najma Hasan	NET
16	Dhriti Rani Saha	NET

17	Trishita Chakraborty	NET
18	Baishakhi Dutta	NET+
19	Kaushik Karmakar	NET-JRF
20	Nilanjan Mandal	NET
21	Arindam Mondal	NET
22	Mamon Konra	NET-JRF
23	Papiya Ganrai	NET
24	Prasenjit Ghoshal	SET
25	Nayan Das	SET
26	Animes Kundu	NET
27	Sukanta Ghosh	NET
28	Rajkumar Mondal	SET
29	Palash Das	NET-JRF, SET
30	Labani Bairagya	NET, SET
31	Joydeb Gorai	NET
32	Saikat Banerjee	NET, SET

### **Participation in National and International standard Conference /Seminar /Workshop:**

#### **Niranjan Jena**

18.08.2019-19.08.2019. Presented paper in the National seminar entitled "Visvasamskrtadivasasya-rastriyasamgosthi" organized by the Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan. Title of Presentation- "Vajnepasusabdasyasamiksatmakamadyayanam".

25.09.2019- 26.09.2019. Presented a paper in the International Seminar entitled "Ecological and environmental Sustainability : Way forward for Livelihood Security", organized by Department of Plant Pathology, PalliSiksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan in collaboration with Hiranmaypur Agro-horticultural Society for Technology and Rural Development, Basanti, South 24 Praganas, West Bengal. Title of presentation "Ecological Awareness Reflected in Vedic Literature".

08.12.2019- 09.12.2019. Presented a paper in the International Seminar entitled "Non-Violence and Buddhism", organized by Centre for Buddhist Studies, Visva-Bharati, Santiniketan. Title of presentation "Non-violence according to Veda and Buddhism-A Study".

02.01.2020- 04.01.2020- Presented a paper in the International Symposium entitled "Common Human Values and Cross Cultural Exchanges", organized by China West Normal University, Nanchong, Sichuan, China. Title of presentation "Community with Shared Future for Mankind: A Study from Vedic Literature Perspective".

01.02.2020-02.02.2020-. Presented a paper in the National Conference entitled "Contribution of Dr. B.R. Ambedkar to Modern India", organized by Department of Marathi and SC, ST & OBC Employees' Welfare Association, Visva-Bharati, Santiniketan. Title of presentation "Babasaheb Ambedkar saw Thoughts to Reshape Society"

05.02.2020- 07.02.2020. Presented a paper in the National Seminar entitled "Chhayavadikavya me samskritikaaurdarsanikachetana: niralakevisesasandarbhame", organized by Hindi SikshanaAdhigama Kendra, Mahatma Gandhi antar-rastriya HindiaVisvavidyalaya, Wardha and

Hindi PracharaSamiti, Bolpur. Title of presentation "Chhayavadichetana in Sanskrit Literature".  
08.02.2020- 09.02.2020. Presented a Paper in the International Conference entitled "Buddhism : Its Roles as Cultural Connect, Social Bridge and Source of International Peace", organized by P.G. Department of Odia Language and Literature,, Centre of Excellance in Language, Literature and Culture, Utkal University, AdikabiSarala Das Chair of Odia Studies, CIL/SLL & CS, JNU, New Delhi and Kalinga Institute of Indo-Pacific Studies (KIIPS), Bhubaneswar, Odisha.  
10.01.2020-12.01.2020. Delivered a Lecture at the All India Oriental Conference-50th Session Nagpur, as Chairperson of the Vedic parallel session, organized by KaviguruKalidas Sanskrit University, Ramtek, Dist. Nagpur, Nagpur, Maharashtra.  
20.06. 2020. Delivered lecture at The Department of Sanskrit, ChdidasMahavidyalaya, Birbhum, West Bengal. Title of presentation- National Webinar on Vedic and Ayurvedic sources of Disease and Cure for Human Welfare.

### **Narottam Senapati**

29.10.2019 - 01.11.2020. Participated in a 4-day workshop entitled Compendium on Ancient Indian Educational Thoughts in Sanskrit, jointly organized by NCERT, New Delhi and the Department of Sanskrit, Utkal University.  
30.06.2019. Presided over an advisory committee meeting in the Centre for Endangered Languages, Visva-Bharati, on behalf of the Vice-Chancellor, Visva-Bharati.  
02.07.2019. Presided over a special lecture organized at the CMELLCS of Visva-Bharati. Title of Presentation- বাংলা দেশি বিদেশী নাটকের গ্রহণীয়তা।  
10.08.2019. Presided over a celebration held in Hindi-Bhavana, Visva-Bharati, on Tulasi Das  
09.11.2019. Chaired a lecture on "Perspectives on Rabindranath Tagore and Cross Cultural Communication" organized by the Centre for Modern European Languages, Literatures and Culture Studies, Visva-Bharati.  
08.12.2019. Presided over the Inaugural Session of an International Seminar entitled "Non-violence and Buddhism" organized by the Centre for Buddhist Studies, Visva-Bharati.  
15.01.2020. Delivered two special lectures in a National Workshop at the Department of Sanskrit, Jadavpur University. Title of Presentation- मुक्तावलीदृष्ट्यापक्षताहेत्वाभासश्च .  
28.01.2020. Presided over a Memorial Lecture at the Hindi Bhavana, Visva-Bharati. Title of Presentation- भारतीय भक्ति साहित्य और सामादिक समरसता .  
10.02.2020. Presided over a special lecture at the Hindi Bhavana, Visva-Bharati. Title of Presentation- मध्यकालीनदस-गुरुपरम्परा और भक्ति आन्दोलन में उनका योगदान .  
23. 02.2020 - 29.02.2020. Delivered the key-note address in a National Workshop organized by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute. Title of Presentation- एकशेषाद्विनिक.  
24.02.2020. Delivered a memorial lecture at the School of Vedic Studies, Rabindra Bharati University. Title of Presentation- 'Significance of the Puranas: with special reference to Srimad Bhagavata.'  
02.03.2020. Presided over a special lecture at the Department of Marathi, Visva-Bharati, Title of Presentation- 'Chatrapati Shivaji Maharaj: Swarajya and Statecraft.'

**A.K. Mondal**

23.09.2019. Delivered Keynote Address and Chaired a Technical Session in the National Seminar entitled 'Jayadeva O Parabarti Anusari Sahitya' organized by the Department of Bengali, KabiJoydeb Mahavidyalaya, Illambazar, Birbhum & the Department of Bengali, Purnidevi Chowdhury Girls' College, Bolpur, Birbhum,

08.12.2019. Chaired the Plenary Session and delivered a lecture in the International Seminar entitled 'Non-Violence and Buddhism' at the Centre of Buddhist Studies, Visva-Bharati, Santiniketan. Title of presentation 'Bouddhamate Achara-Ahimsa Vicara-Ahimsa Ca'

10.12.2019. Presented Poetry in the International Multilingual Poetry Festival on Buddha organized by the Centre of Buddhist Studies, Visva-Bharati, Santiniketan. Title of presentation 'Patacchara Bhiksuni'.

**Lalita Chakraborty**

22.11.2019. Delivered lectures as a Resource Person at M.U.C. Women's College, Burdwan, West Bengal. Title of presentation 'Origin & Development of Indian Philosophical Thought'.

25.02.2020. Delivered a lecture at BhashaBhavana, VisvaBharati. Title of Presentation 'প্রাচীন ভারতের বিজ্ঞান ভাবনা'.

**Arun Ranjan Mishra**

26.07.2019. Delivered an invited talk at Bhasa Bhavana, Visva-Bharati. Title of Presentation 'Buddhism in Odisha'.

09.08.2019. Delivered an invited talk at the Department of Sanskrit, Utkal University, Bhubaneswar. Title of Presentation 'Buddhist Heritage of Odisha'.

18.08.2019-19.08.2019: Presented a Paper at the National Seminar entitled 'Sanskrit and Culture - Two Credentials of India' organised by the Department of Sanskrit, Visva-Bharati, Santiniketan. Title of Presentation- Sanskrit : The Basis of Indian Culture'.

08.12.2019-09.12.2019: Chaired the last session of the International Seminar entitled 'Non-Violence and Buddhism' organised by the Centre for Buddhist Studies, Visva-Bharati, Santiniketan.

08.12.2019-09.12.2019: Presented a Paper at the International Seminar entitled 'Non-Violence and Buddhism' organised by the centre for Buddhist Studies, VisvaBharati, Santiniketan. Title of Presentation- 'Non-Violence in Buddhism'.

10.01.2020 - 12.01.2020. Presented a Paper at the Pali & Buddhism Section of the All India Oriental Conference (50th Session), Nagpur. Title of Presentation- 'Concept of Dhyana in Mahayara-Sutralankara'.

25.01.2020. Presented a Paper at the National Seminar entitled 'Contribution of Manu to the Concept of Social Welfare' organised by Tulasi Women's College, Kendrapara, Odisha. Title of Presentation- 'Manu and Social Welfare'.

04.02.2020. Delivered an invited talk at the Cooch Behar College, Cooch Behar (WB). Title of Presentation- 'Utility of Sanskrit in Modern times'.

25.02.2020-27.02.2020. Presented a Paper at the National Seminar, organised by the Centre of Advanced Study in Sanskrit, S. P. Pune University, Pune. Title of Presentation- on "Siddhanjana Bhasya on the Rigveda (1/113)".

**J.R. Bhattacharya**

15.11.2019-16.11.2019. Presented paper at the International Conference, National Chengchi University, Taipei, Taiwan. Title of presentation- "Ethical doctrines of the Lay-devotees as propounded in Jainism and its relevance to the modern society" .

**S.K. Mondal**

18.08.2019 - 19.08.2019. National Seminar organized by Dept. of Sanskrit, Pali&Prakrit , Title of Presentation- SrimadbhagavateSamkhyatavimarsa.

**G . Bhattacharya**

06.01.2020-11.01.2020. Delivered Lecture in the International Workshop entitled 'Myriad Sparkles of Vedanta: A Kaleidoscopic View of the Holistic Wisdom', organized by Department of Sanskrit, Jadavpur University, Kolkata. Title of presentation- "Vedanta in 19thCentury: Interpretations of Rammohun Roy and some Relevant Questions" .

**Pritilaxmi Swain**

23.06.2019 - 05.07. 2019 (14 days) : Attended Refresher Course, Organized by: UGC-HRDC, Ranchi University, Ranchi, Jharkhand.

**R.P. Kumar**

18.08.2019-19.08.2019: Presented a paper under the topic "भारतीय संस्कृते : विशेषता" organized by the Department of Sanskrit, Pali & Prakrit, Bhasha-Bhavana, Visva-Bharati, Santiniketan. Title of presentation- *विश्वसंस्कृत दिवस-राष्ट्रीय संगोष्ठी*.

08.12.2019-09.12.2019: Presented a paper in the International Seminar entitled 'Non-Violence and Buddhism' organized by Centre for Buddhist Studies, Visva-Bharati, Santiniketan. Title of presentation- "In Buddhism-Ashoka, Non-Violence and Welfare-a-Positive Study"

08.12.2019-09.12.2019: Participated as an Assistant Co-ordinator in the International Seminar entitled 'Non-Violence and Buddhism', organized by Centre for Buddhist Studies, Visva-Bharati, Santiniketan.

22.02.2020- 23.02.2020: Presented a paper in a International Seminar entitled 'Together Towards Tomorrow: The Role of Persian, Marathi, Hindi and Other Languages for Sustainable Development', Jointly organized by Department of Arabic, Persian, Urdu & Islamic Studies, Department of Marathi and Rajbhasha Cell, Visva-Bharati, Santiniketan. Title of Presentation- 'Kabir and Medieval Society' - Language of Kabir for the Sustainable Development of the society, utility in modern context' .

23.07.2019 - 05.08.2019. Attended UGC-Sponsored Refresher Course in "Linguistics" (All Language), organized by UGC-Human Resource Development Centre, Morabadi Campus, Ranchi University, Ranchi, Jharkhand.

06.01.2020 - 19.01.2020. Attended UGC-Sponsored Refresher Course in "Research Methodology" (All Subjects), organized by UGC-Human Resource Development Centre, Morabadi Campus, Ranchi University, Ranchi, Jharkhand.

**Publications:****Books:**

*Sanskrit Translators' Tryst with Tagore's Imagination and Style* Bipasha Das and Arun Ranjan Mishra, Delhi : Pratibha Prakashan, 2020: ISBN-978-81-7702-452-4.

Sailakanyaka (Professor Sailabala Senapati Felicitation Volume, Peer Reviewed), ed. Arun Ranjan

Mishra and S. Mishra, Centre for Buddhist Studies, Visva-Bharati, 2019. ISBN-978-81-86359-77-X

Pracya-Prajña (Proceedings of Eastern India Oriental Conference), Ed. Arun Ranjan Mishra, Delhi: Pratibha Prakashan, 2019: ISBN- 978-81-7702-448-7.

### Articles in Journals

"Sri-Muka-kavi's Visualisation of Kamaksi of Kañci in Snmuka-pañcasati", by Arun Ranjan Mishra published in Vyasasrin (U.G.C approved Refereed Journal of Indology) ed. Dr. Buddheswar Sarangi, Rourkela, Vol. XV. 2019: ISSN-2320-2025,

Foreword to Modern Sanskrit Literature in India : A Bird's eye view (total pages 512), Subhrajit Sen, by Arun Ranjan Mishra. Kolkata: Sanskrit Pustak Bhandar, January 2019: ISBN-978-93-87800-50-2.

"Buddhist Spiritual Quest in Bodhicaryavatara of Santideva: A Critical Appreciation" in Sailakanyaka (Professor Sailabala Senapati Felicitation Volume, Peer Reviewed), ed. Arun Ranjan Mishra and S. Mishra and Centre for Buddhist Studies, Visva-Bharati, pp. 105-122. 2019 : ISBN-978-81-86359-77-X,

"Instructions of Etiquettes in Visuddhimagga of Buddhaghosa" in Sailakanyaka (Professor Sailabala Senapati Felicitation Volume, Peer Reviewed), Ed. Arun Ranjan Mishra and S. Mishra, Centre for Buddhist Studies, Visva-Bharati, pp. 123-133. 2019 : ISBN-978-81-86359-77-X,

"Jayadever Laksmana Sena Yog: Ekti Bitarka, Svapnanida, Jayadeva Mela Samkhya" by Arun Kumar Mondal Editor-Anadi Bandyopadhyaya, Jayadeva Kenduli, Birbhum, pp-23-33. January-2020: Reg.No.-67693/97, Prn-WB/BIR-19 RNP-2019-2020,

"Dehi Padapallavamudaram- Kichu Kath?" by Arun Kumar Mondal published in the Baul Tirtha, pp-22-30, edited by Mahkuma Sasaka, Bolpur. 2019.

"Wood-Craft of Vedic Society: An Introduction", by Harekrushna Mishra published by Sailakanyaka Ed. A.R. Mishra & S. Mishra Centre for Buddhist Studies, Visva Bharati. 2019: Felicitation Volume 978-81-86359-77-X,

"Majma'-ul-Bahrain: Transcending *Cultural Boundaries by in the Quest for "Truth of Truths"*, by Gargi Bhattacharya in postscriptum: An Interdisciplinary Journal of Literary Studies, Vol. IV, No. ii, pp. 248-258. July 2019: ISSN 2456-7507

'Skambha' and 'Jyesthya-brahman' in the Atharvaveda-sanhita: Vedic Cosmogony towards Vedantic Theory, by Gargi Bhattacharya in *Tulsi-Prajña*, A peer reviewed Research Quarterly of Jain Visva-Bharati Institute, Ludan, Rajasthan, vol. 181-182, pp. 34-45. January-June, 2019: ISSN-0974-8857

"Formation of Hindu Laws through Translation in the Rule of British East India Company: Vidyasagar's Contribution in Society and Legislation", by Gargi Bhattacharya in *India, in Translation, Translation in India*, ed. GJV Prasad. New Delhi: Bloomsbury, June 2019 , pp. 29-41. ISBN-9789388414197.

"The Examples of Vowels on Euphonic Combination in Kasikavrtti and Vaiyakaranasiddhantakaumudi: A Comparative Study", by Pritilaxmi Swain, *Ensemble*, 2(1), 135-142. <https://doi.org/10.37948/ensemble-2020-0201-a013> (UGC Care List, Group-I) 2020

"The Examples of Conjunction of Consonants in Kasikavrtti and Vaiyakaranasiddhantakaumudi: A Comparative Study", by Pritilaxmi Swain *Parishodh Journal*, 9 (3), 5366-5374.



DOI:09.0014.PARISHODH.2020.V9I3.0086781.57539 (UGC Care List, Group-I) 2020.

समासवृत्तौउपपदतत्पुरुषसमास - एकम अध्ययनम्, by Pritilaxmi Swain *KIRANAVALI: Journal of Sanskrit Research Foundation*, XI(I-IV), 134-140. (UGC Care List, Group-I)2019

अप्रैल-जून वाकसुधा , अंक - '184 ' -वर्ष-6, अंक-20, by Ram Pramol Kumar, A Scholarly Peer Reviewed Journal, International Quarterly Research Magazine under topic 'Science in Sanskrit' Refereed Journal. 2019: ISSN: 2347-6605.

'108 वाकसुधा ' - जुलाई-सितमंबर, वाकसुधा-वर्ष, -6, अंक-21, by Ram Pramol Kumar , A Scholarly Peer Reviewed Journal, International Quarterly Research Magazine under topic 'The Upanishads and Rabindranath' Refereed Journal. 2019: ISSN: 2347-6605.

## Department of Odia

### Departmental Profile

The Department is at present 71 years old. It is always engaged in study and research. Many scholars have joined Government institutions as academic staff in last two years. Students show their talent in different academic tests.

The Department organizes weekly seminar in each academic session. The Department also arranges extension lectures, inviting colleagues from different departments. Apart from all these one annual seminar of national character is organized every year.

### Candidates qualified in JRF / NET

1. Mamata Senapati	JRF,2019
2. Manoranjan Sahu	JRF,2019
3. Pramila Patra	JRF,2019
4. Bebina Das	National Fellowship 2019
5. B. B.Pradhan	National Fellowship , 2019
6. Ashok Ku Naik	National Fellowship, 2019
7. Anjana Kunda	NET 2019
8. Balmiki Karuan	NET 2019
9. B.R.Gajendra	NET 2019
10. Gitanjali Behera	NET 2019
11. Mamata Sahoo	NET 2019
12. Sipanjali Badhei	NET 2019
13. Subhashree Jena	NET 2019.

### Departmental Activity

11.12.2019 - 12.12.2019. Literary Festival on creative writing entitled "Sarjana Literary Festival" organized in collaboration with Srujan India, Cuttack.

18.01.2020. National Seminar entitled "Gandhi in Odia Literature" organized in collaboration with Odisha Sahitya Academy, Bhubaneswar.

05.03.2020- 06.03.2020. National Seminar entitled "Discussing the Poetry of Gopalkrushna Rath" was organized.

01.07.2019. Bibhudendra Narayan Pattanayak, Presented a Paper on "Sarala Mahabharata" as a part of Departmental Weekly Seminar.

29.07.2019. Prof. Prasanna Kumar Swain. Presented a Paper on "The Role of Berhampur University in the Development of Odia literature" as a part of Departmental Weekly Seminar.

### Participation in National and International standard Conference /Seminar /Workshop / Exhibition

#### Sabita Pradhan:

26.10.19 - 27.10.19- Presented a paper in the seminar entitled 'Bharatiya Sahityare Odishara Adibasi' sponsored by Sahitya Academi, Delhi & organised by KISS University, Bhubaneswar. " Title of

presentation "Odia Katha Sahityare Adibasi Jiban."

28.12.19. Presented a paper as key note address given in the seminar organised by Nikhila Bharata Odia Adhyapaka Sammelana, Bhubaneswar. Title of presentation "Odia Sahityare Gandhi."

19.01.20. Presided over a panel on " Odia Katha Sahityare Gandhi " in the seminar entitled " Odia Sahityre Gandhi" organised by the Odia department, Visva-Bharati with the collaboration of Odisha Sahitya Academy.

24.12.2019. Delivered a Talk on the Birth Anniversary organised by Utkal Sahitya Samaj & Odisha Sahitya Academi, Cuttack, Odisha. Title of presentation "Bagmi Biswanatha Kar."

29.9.2019. Delivered two Lectures as Resource Person in the Department of Odia , Utkal University, Bhubaneswar. Title of presentation " Ekabimsha Shatabdira Odia Upanyasara Bhaba O Shilpa."

10.01.2020- 11.01.2020. Delivered four Lectures as Resource Person in the Department of Odia, Sambalpur University, Sambalpur, Odisha. Title of presentation "Odia Lokabhasha " and "Kunja Bihari Dashanka Upanyasare Lokabhasha."

### **Manoranjan Pradhan**

14.09.19 Delivered a talk at Antei College, Jagatsinghpur, Odisha. Title of presentation "Odia Bhasha Sahityara Bhabisyata."

29.09.2019- Delivered two talks in the Refresher Course as a Resource Person at Utkal University. Title of presentation "Ekambimsha Satabdira Upanyasika."

03.10.2019- Delivered a talk at Pragati Utkal Sangha, Rourkela, Odisha. Title of presentation "Smrutire Chittaranjan Das."

25.12.2020- Delivered a talk at Kusupura, Cuttack, Odisha organised by Odisha Sahitya Akademi. Title of presentation "Gaanre Sahitya Priti."

20.01.2020- Delivered a talk as President of a session organised by Odisha Sahitya Akademi in coloboration with Deptt.of Odia, Visva-Bharati. Title of presentation "Odia Upanyasare Gandhi." Delivered a talk at Ghatal College, Medenipur, West Bengal. Title of presentation "Granthagar o Pustak."

### **Pramila Patulia**

12.01.2020 - Presented a paper in the International Seminar entitled 'Sarala Biswabhasa Sammilani' organized by MBC TV in collaboration with CIIL, Mysore, Odia Bhasha Pratisthan. Title of the presentation: "Sakta Religion : Sarala Literature."

18.01.2020-19.01.2020 - Presented a paper in the National Seminar entitled 'Odia Shityare Gandhi' organized by the Department of Odia, Visva-Bharati in collaboration with Odisha Sahitya Academi, Bhubaneswar. Title of presentation: "Raktamati Natakara Samajika O Rajanitika Pristopotore Gandhi."

05.03.2020-06.03.2020 - Presented a paper in the National Seminar entitled 'Discussing the Poetry of Gopal Krushna Rath' organized by the Department of Odia, Visva-Bharati. Title of presentation "Ekla Chala Re O Ekla Manishra Eka Tulanatmaka Bicharo."

### **Sarata Kumar Jena**

10.11.2019. Presented a paper in a National Seminar entitled " Influence of Mahatma Gandhi on Indian Literature" organized by Govt. Womens College, Sambalpur, Odisha. Title of presentation " Mahatma Gandhi in Odia Drama."

07.12.2019-09.12.2019. Presented a Paper in XXX Statutory Conference organized by All India Federation of University and College Teachers Organisation at Bhubaneswar, Odisha. Title of presentation "An Analysis of New Education Policy in India."

10. 01. 2020. Presented a paper in an International Seminar entitled "Gandhijee: Society and Literature" organized by The Department of Odia, Karanjia Auto. College, Karanjia, Mayurbhanj, Odisha. Title of presentation " Odia Sahityare Gandhi."

18.01.2020- 19.01. 2020- Presented a paper in a National Seminar titled "Odia Sahityare Gandhi" organized by Odisha Sahitya Akademi, Bhubaneswar in Collaboration with Department of Odia, Visva-Bharati, Santiniketan. Title of presentation "Mahatma Gandhi O Rabindranath."

02.02.2020- Presented a Paper in the National Seminar entitled organized by Odia Adhyapak Sangosthee in Collaboration with Laxmipur College, Laxmipur, Koraput, Odisha. Title of presentation "123barsare Rebatee."

10.02.2020- Presented a paper in the National Seminar entitled "Odia Bhasha Sahityaku Ganjamara abadana" organized by ISRD, Berhampur in Collaboration with CIIL, Mysore at RDC Conference Hall. Brahmapur, Odisha. Title of presentation "Odia katha Sahityaku Ganjamra abadana."

09.02.2019- Delivered a talk at Aamari Gapa, Nayagah, Odisha. Title of presentation "Odia Galpara sthiti o pragati."

### **Rabindra Kumar Das**

28.01.2020- Presented a paper in the National Seminar entitled "1980's Odia Kabitara Angika" in North Odisha University Keonjhar Campus.

Presented a paper in the National Seminar organized by Odia Department, Visva-Bharati in Collaboration with Odisha Sahitya Academy. Title of the presentation "Gandhi, Gandhi Chetana ebam Shankar Tripathi nka 'Gandhi Bhunikare."

05.03.2020. Presented a paper in the National Seminar organized by Odia Department, Visva-Bharati in Collaboration with Gopal Krishna Foundation Brahmapur. Title of presentation "Sabu diga Purbadiga ebam Gopal Krishna Rathanka Kabita."

14. 01. 2020. Presiding Speech delivered on Sarala Mahabharatara in Sarala Bishwabhasa Sammilani in Bhubaneswar organized by MBC TV in collaboration with CIIL Mysore

26. 01. 2020. Binary Opposition ra Prekhyapattare Surendra Mohanty nka Galpa- Punarnaba Sahitya Sansad, Kedrapada.

30.04. 202. Delivered Talk at Odisha State Open University, Odisha. Title of presentation "Odia Natakara Bikashdhara:1877-1950."

### **Indramani Sahoo**

04.08.2019. Presented a paper in the National Seminar entitled "Sastriya Odia Bhasha Bartaman o Bhabhisyat" organized by DHISANA, a research journal at Bhubaneswar.

18.01.2020- 19.01.2020. Presented a paper in the National Seminar entitled "Odia Sahityare Gandhi" organized by Department of Odia. Visva-Bharati in collaboration with Odisha Sahitya Academy, Bhubaneswar, Odisha.

**Extension activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department.**

The Odia Department actively participated and set up a stall at Ananda Mela, in September-2019, at Gouraprangana, Visva-Bharati.

An issue of 'Spandana', wall magazine was published with the writings of students, scholars and staff members of Odia Department. Nirupama Padhan, student of BA final year edited the wall magazine.

The students of the Deptt. presented a Patriotic song in the Bhasha Bhavana on the occasion International Mother Language Day organized by Bhasha Bhavana, on 21 February,2019.

Gandhi Punyaha was observed in the traditional way on 10th.of March 2020 by cleaning the department and its surrounding.

Dr. Sarata Kumar Jena organized two "Boudhika Anwasha Programme" of Literary Quiz to develop literary skill of the students.

**Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)**

26.01.2020. Kailash Pattanaik Awarded by Surendra Gabeshana Akademi, Chandol, Odisha for Continuous Research.

**Publications:**

**Books:**

*A Comparative Study of Tribal Culture and issues in Odia and Assamese Tribal Novels* ed. Manoranjan Pradhan. Centre of Excellence, Department of Odia, Visva-Bharati & Govt. of India, Ministry of Tribal Affairs, July 2019.

*Folk songs and stories of Khadia Tribe* ed. Manoranjan Pradhan. Centre of Excellence, Department of Odia, Visva-Bharati. & Govt. of India, Ministry of Tribal Affairs. July 2019.

Compiled *The Voice of Mountain* '(When Night Falls Thick Smoky Fragrance is Filled in the Dense Jungle of Dangars) in the month of August 2019, published by CoE, Department of Odia, Visva-Bharati. & Govt. of India, Ministry of Tribal Affairs.

*Chandrasekhar Nandanka Shresta Galpa* (Odia Original ) ed. Manoranjan Pradhan. New Delhi: National Book Trust, August 2019, ISBN 978-81-237-8769-5

*The Tribal Life in Short Story of Post Independent Odia Literature* by CoE, ed. Sabita Pradhan. Department of Odia, Visva-Bharati, Santiniketan, & Government of India, Ministry of Tribal Affairs, 2019.

*The Bhatra Folk Literature* by CoE , ed. Sabita Pradhan by Department of Odia, Visva- Bharati, Santiniketan & Government of India, Ministry of Tribal Affairs, 2019.

*Gramapatharu Biswapatha: Binod Kabyaratha*, Sarata Kumar Jena, Bhubaneswar: Athena Books, 2019. ISBN: 13978-93-80759-07-4.

*Punaraya Rebati*. Compiled by Manoranjan Pradhan. Cuttack: Friends' Publishers, January 2020. ISBN 81-7401-946-4.

Edited the Proceedings of International Seminar on Sarala Mahabharata- Athena Books, Bhubaneswar, ISBN number 13978-93-80824-06-2- First Edition-January-2020.

*Manabika Adhikar* O Odia Upanyasa by Indramani Sahoo, Odisha: Athena Books, ISBN No.13978-93-80824-01-7

Prabandhayana by Indramani Sahoo, Odisha: Athena Books. ISBN No. ISBN- 13978-93-80824-13-0.

### Articles in Journals:

- "Paribesa samalochanabad" by Saraata Kumar Jena in *Nabapatra*, May-June, 2019.
- 'Odisara Jalakendrika Loka Utsava' by Pramilla Patulia in *Folklore Education & Research Journal*, Page 48-51, No. 32 June, 2019. ISSN 2231-2862
- "Ecocriticism" by Manoranjan Pradhan in *Nabapatra*, Rourkela, July, 2019.
- "Gobinda O Gadadhara: Andhakarra Chitrayana" by Kailash Pattnaik in *Satyabadi*, October, 2019. ISSN 2581-3994.
- "Saitan Mahal: Kalankita Kukhyati", by Kailash Pattnaik in *Shree Sahitya*, October, 2019.
- "Saitan Mahal: Jayanta Pratibeshi" by Kailash Pattnaik, October, 2019. ISSN 2456-8031.
- "Moukhika Gupta Bhasha" by Kailash Pattnaik in *Saptarshi*, October-December, 2019. ISSN 0973 3264.
- "Adhunikata o Naribada" by Manoranjan Pradhan in *Mahamaya*, Cuttack, October, 2019.
- "Galpika Chandramohan" by Manoranjan Pradhan in *Gourab*, Jagatsinghpur, October, 2019.
- "Odia Srestha Galpa" by Manoranjan Pradhan in *Pratibeshi*. October- December, 2019.
- 'Rashmi Raulanka Galpare Nari Swadinata' by Pramilla Patulia in *Anyatra*, Page 17-22, October, 2019.
- "Galpa bhitarara Rupa O Swarupa" by Saraata Kumar Jena in *Kathakalika*, October, 2019
- "Sanskritika Nayakara Sasradhha Premopahara: "Pabanara Jhoti" ra Kabyaswara, by Saraata Kumar Jena in *Pahacha*, October, 2019.
- "Mahatma Gandhi O Rabindranath" by Saraata Kumar Jena in *Pakshighara*, October, 2019.
- "Nichatia Janharati, Gopalkrushna O Mu" by Saraata Kumar Jena in *Manisha*, October, 2019
- "Ramesh Panigrahinka natakare Jadubastabata" by Saraata Kumar Jena in *Shree Sahitya*, October 2019.
- "Odia Sishu sahyara Adi kahani: Osha O Parbaparbani" by Saraata Kumar Jena in *Suna Aja*, October 2019.
- Phukonka Khyamata Tattwara Alokare Sarala Mahabharatara Hidimbika Draupadi Prasanga by Rabindra Kumar Das in *Istahar- Puja Issue-2019*
- Prekhyapattare Binod Chandra Nayakanka Kabyajagata by Rabindra Kumar Das in *Akshyansha- Puja Issue-2019*
- Kabi Brahmanand Dasanka Kabita: Eka Micro by Rabindra Kumar Das in *Addhyayana- Sailaja- Puja Issue-2019*.
- "Gandhi o Rabindranath" by Manoranjan Pradhan in Book *Gandhi Bibidhata - II*. Odisha Sahitya Akademy, January, 2020.
- Odia Natakare Gandhibad, by Saraata Kumar Jena in *Gandhi Bibidhata*, ed. Arabinda Pattanayak, Odisha Sahitya Akademi, 2020. ISSN- 078-9387637-59-7
- "Dwitiya Kaisore" by Indramani Sahoo in *Sahitya Bhumi*, February, 2020. Kendrapara, Odisha.
- 'A Jungal's Panorama', trans. by Indramani Sahoo, in *The Voice of the Mountain* compiled by Prof. Manoranjan Pradhan, Centre of Excellence, Deptt. Of Odia, Visva- Bharati.
- "Rabindranath Tagoranka Bidaya Abhisap Kavya Natika Chhayare - Chandra O Tara", by Pramilla Patulia in *Gramya Patharu Biswapatha*: Vinod Kavyaratha, Athena Book, Dec, 2019. ISSN 13978-

93-80759-07-4

"Champa eka Phula nuhen: Nian Jhula", by Saraata Kumnar Jena in *Istahara*, Bisuba, 2019.

*Juddha ebam Uttaramane, Mu ebam Ambhemane*. By Rabindra Kumar Das - ISBN 13978-93-80824-34-5-2019

"Natabara Samantaray: Badhila Jani Kshyama" by Kailash Pattnaik in *Istahar*, January, 2020.

"Rebati : Pralambita Dharara Karan Anweshana", by Sabita Pradhan in *Punaraya Rebati*, January, 2020.

## Department of Arabic, Persian, Urdu & Islamic Studies

### Name of the students qualified in UGC NET/SLET Examinations:

Abdulla Molla (UGC NET-JRF June 2019) (Roll No.: WB10514789)

Nazmun Nahar (UGC NET-JRF June 2019) (Roll No.: WB10514768)

Abdulla Molla (UGC NET-JRF December 2019) (Roll No.: WB1005203487)

Nazmun Nahar (UGC NET-JRF December 2019) (Roll No.: WB1005203450)

### Departmental Seminar (Speakers, Title of the Seminar, Date)

Speakers: 1) Ahmad Joulaei (Prof University of Tehran, Iran), 2) Ali Izadi (Ministry of Culture, Tehran, Iran), 3) Prof. M. Isharat Ali Molla (Former Head, Dept. of Arabic & Persian, University of Calcutta, W.B. India), 4) Prof. Syed Shah Haseen Ahmad (Head, Dept. of Urdu & Persian, VKS University, Ara Bihar), 5) Prof. (Dr.) Satyendra Patnaik (Rector, KIIT University, Orissa, India).

22.02.2020 - 23.02.2020. Title of the Seminar entitled "Together Towards Tomorrow: The role of Persian, Marathi, Hindi and other Languages for Sustainable Development"

Participation in National and International standard Conference /Seminar /Workshop / Exhibition:

### Md. Faique

26.04.2019 - 27.04.2019. Presented a research paper in the International Seminar entitled "India and Central Asia Relations: Economic, Historical and Cultural Perspectives" organized by Ala-Too International University, Bishkek, Kyrgyz Republic in collaboration with Center for Study of Foreign Languages, University of Hyderabad, Telangana, India and School of Entrepreneurship and Business Administration, American University of Central Asia, Bishkek, Kyrgyz Republic, held at Bishkek. Title of the presentation "Significance of Cultural Relations and Mutual Understandings between India and Central Asia."

### Atiqu Rahman:

19.02.2020-21.02.2020. Presented a paper in the International seminar entitled "Revisiting Persian Literature Produced During 17th Century A.D.", Organized by Institute of Persian Research, Aligarh Muslim University, Aligarh. The tile of presentation, "Chandar Bhan Brahman as a Persian Scholar and Secretary in the Shahjahan's court."

23.02.2020-24.02.2020. Presented a paper in the International seminar entitled "Together Towards Tomorrow: The Role of Persian, Marathi, Hindi and other Languages for Sustainable Development" organized by the Department of Arabic, Persian, Urdu & Islamic Studies, Marthi & Rajbhasha Cell, Visva-Bharati. Title of presentation "Sufism and Sufistic thoughts in Persian in the Indian Sub-Continent."

05.03.2020- 07.03.2020. Presented a paper in the International seminar entitled: "XXXVII All India Persian Teachers Conference" organized by All Persian Teacher's Association at Maulana Azad National Urdu University, Hyderabad. Title of presentation "Contribution of Sufis and Sufistic thoughts in Indian Sub-continent with special Reference to (Deccan) India."

### Abdulla Molla

22.02.2020 - 23.02.2020. Presented a research paper in the International Seminar entitled "Together



Towards Tomorrow: The role of Persian, Marathi, Hindi and other Languages for Sustainable Development" Jointly organized by the Dept. of Arabic, Persian, Urdu & Islamic Studies, Dept. of Marathi & Rajbhasha Cell, Visva-Bharati (A Central University), Santiniketan, W.B. India. Title of presentation "Anwar Shah Kashmiri's Works With Special Reference to Mushkilat al-Qur'an."

22.02.2020 - 23.02.2020. Chaired a session in the International Seminar entitled "Together Towards Tomorrow: The role of Persian, Marathi, Hindi and other Languages for Sustainable Development" Jointly organized by the Dept. of Arabic, Persian, Urdu & Islamic Studies, Dept. of Marathi & Rajbhasha Cell, Visva-Bharati (A Central University), Santiniketan, W.B. India.

**Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)**

#### **Md. Faique**

22.02.2020-23.02.2020. Organized an International Seminar as Director in the Dept. of Arabic, Persian, Urdu and Islamic Studies, Visva-Bharati, Santiniketan, W.B. India, on the theme entitled: "Together Towards Tomorrow: The Role of Persian, Marathi, Hindi and other Languages for Sustainable Development."

Conferred award of Anil Sarkar Smriti Antorjatik Puraskar in 2019 (অনিল সরকার স্মৃতি আন্তর্জাতিক পুরস্কার-২০১৯) from Kabi Anil Sarkar Antorjatik Siksha and Sahitte Gabesana Parishad, Comilla Bangladesh.

Serving as Nodal Officer since 27-10-2016 at Visva-Bharati Santiniketan, West Bengal to scrutinize, validate and approve the students' records for submission of online application regarding extension cooperation in respect of Post-Metric Scholarship (above 50 % & below 50 %) for Minority Students in West Bengal, Pre-Matric, Post-Matric and Top class Education for students with disabilities, PG Indira Gandhi Scholarship for Single Girl Child, PG Scholarship University Rank Holders, Swami Vivekananda Merit-cum-Means Scholarship for Minority Students.

#### **Abdullah Molla**

22.02.2020-23.02.2020 Organized a two-day International Seminar as Co-Ordinator in the Dept. of Arabic, Persian, Urdu and Islamic Studies, Visva-Bharati, Santiniketan, W.B. India, on the theme entitled: "Together Towards Tomorrow: The role of Persian, Marathi, Hindi and other Languages for Sustainable Development."

#### **Publications**

##### **Books:**

*Contribution of Persian Language & Literature to the Indian Subcontinent- with special reference to Bengal*, Mohammad Faique, New Delhi: Dept. of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati (A Central University), Santiniketan & Aditi Publishers & Distributors, 2019, ISBN: 978-81-93176-41-2.

*Women Empowerment Through Language, Literature & Education*, Mohammad Faique, New Delhi: Dept. of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati (A Central University), Santiniketan & Khama Publishers, 2019, ISBN:978-81-85495-82-8

*Contribution of Non-Muslim Poets and Writers to the Development of Urdu, Persian & Arabic Studies*, Mohammad Faique, New Delhi : Dept. of Arabic, Persian, Urdu & Islamic Studies, Visva-

Bharati (A Central University), Santiniketan & Aditi Publishers & Distributors, 2019, ISBN: 978-81-93176-42-9

الجزء الثاني (علامتاریخاً الأدب العربی) (*A'lam-u Tarikh al-Adab al-Arabi, Al-Juz Al-Thani*), Abdulla Molla, New Delhi: Shreya Publishers, 2019, ISBN: 978-93-82008-13-2

*Hasil-e-Sahra Nawardi (Urdu Poetry translated into Bengali Language)*, Abdulla Molla, New Delhi: Shreya Publishers, 2019, ISBN: ISBN: 978-93-82008-14-9.

### Articles in Journals

"Contributions of Anand Ram Mukhlis to the Persian Language and Literature", Dr. Atiqur Rahman, Delhi, Aditi Publishers & Distributors, 2019, pp 42-55, ISBN: 978-81-93176-42-9.

"Contribution of Department of Arabic, Persian, Urdu and Islamic Studies to the Persian Language and Literature" in *Contribution of Persian Language & Literature to the Indian Subcontinent-with Special Reference to Bengal*, Abdulla Molla, Deptt. of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati (A Central University), Santiniketan & Aditi Publishers & Distributors, J-375, Forth Pusta, Kartar Nagar, Delhi, 2019, pp. 81-119, ISBN: 978-81-93176-41-2

بشار بن برد: مساهمته في الهجاء (Bashar ibn Burd: His Contribution to the Satire)" in *Contribution of Non-Muslim Poets and Writers to the Development of Urdu, Persian & Arabic Studies*, Abdulla Molla, Deptt. of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati (A Central University), Santiniketan & Aditi Publishers & Distributors, J-375, Forth Pusta, Kartar Nagar, Delhi, 2019, pp 200-208, ISBN: 978-81-93176-42-9

"Mayy Ziyadah as a Pioneer of Oriental Feminism: An Analytical Study" in *Women Empowerment Through Language, Literature & Education*, Abdulla Molla, Deptt. of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati (A Central University), Santiniketan & Khama Publishers, New Delhi, 2019, pp 88-93, ISBN: 978-81-85495-82-8

*Anmol Kalam*, Mohammad Faique, Kolkata: Asifa Enterprise, 2020, ISBN: 978-16-570863-6-4

"Contribution of Lodi Dynasty to the Persian Language and Literature", Dr. Atiqur Rahman, Aligarh Muslim University, Aligarh, Institute of Persian Research, AMU, 2020, pp 87-97, ISBN: 789353-961534

"Nigahi-e-guzra beh sahame Syed Mohammad Hussaini Khawaja bandah nawaz gesu daraz beh peeshraft o gushtarische zaban o Adabe faarsi dar qurune chahardahum o paanzdahume milady dar shibehqarrahe Hind", Wasif Ahmad, *Proceedings of Seminar*, Aligarh Muslim University, Aligarh, 2020, Vol. I, pp. 325, ISBN: 978-93-5391-850-79.

"Indo-Iran Cultural Relations during the Medieval Period" by Dr. Atiqur Rahman in *Dabeer*, Vol. 6, No., pp 08-18, ISSN: 2394-5567

"Anwar Shah al-Kashmiri: The Eulogy Poet (أنور شاه الكشميري: شاعر المدح)", in *Kalikoot Arabic Journal* (مجلة كاليكوت), Abdulla Molla, Department of Arabic, University of Calicut, Kerala, 2020, Vol. 10, no. 2, pp. 63-69, ISSN: 2278 - 764X.

"Poet-laureate of Mughal Emperor Akbar: Shaikh Abul Faiz Faizi", Wasif Ahmad , *Review of Research* 2019, Volume: VIII, pages 87, ISSN: 2249-894X .

## Department of Indo-Tibetan Studies

### Departmental Profile

The invitation of Sylvain Levi (1863-1935) in 1921 to Santiniketan may be termed as the starting of scientific studies on Indo-Tibetan Studies at Visva-Bharati. Gurudeva himself was a student in the Tibetan Classes of Professor Levi in the early twenties. After the departure of Prof. Levi, Buddhist studies were conducted at Santiniketan by Vidhusekhara Shastri, P.C. Bagchi, Sujit Kumar Mukherjee, Aiyaswami Shastri, Shanti Bhikkhu Shastri, P.V. Bapat, Tan Yun San, G. Tucci, M. Winternitz, Ven. Sonam Ngodup, Ven. Geshe Thubten Rablag, Rev. Angi Wangdi, V.V. Gokhle, Angarika Govinda, C.R. Lama, Suniti Kumar Pathak, Lama Chimpa and many other erudite scholars from India and abroad.

In 1954, the Department of Indo-Tibetan Studies was established as a separate Post-Graduate Centre with the financial assistance from the University Grants Commission. From 1954 till the mid 80s late Ven. Chimed Rigzin Lama presided as the first Head of the Department and contributed much to its precious manuscript and xylograph collection. The co-founder of the Department was Prof. Suniti Kumar Pathak. In 2003, the Department celebrated its Golden Jubilee, which was inaugurated by His Holiness the XIV Dalai Lama.

### Departmental Activities:

01-11-2019. Organized the One-Day International Seminar in collaboration with Santiniketan Ambedkar Buddhist Welfare Mission on the theme "Pali and Buddhist Literature."

03-02-2020 Organized a Special Lecture, Dr. Dylan Esler of Center for Religious Studies (CERES) of the Ruhr-University Bochum, Germany has delivered a Special Lecture on "Approaching the Rainbow Body (*Ja' Lus*) In Dzogchen". The lecture was chaired by Prof. Suniti Kumar Pathak, an eminent Tibetologist and the former Prof. of the Department of Indo-Tibetan Studies, Visva-Bharati.

### Participation in International & National Conferences /Seminars/Workshop/Exhibition:

#### Sanjib Kumar Das

01.11.2019. Presented a paper in an International Seminar entitled "Pali and Buddhist Literature" organized by Santiniketan Ambedkar Buddhist Welfare Mission in collaboration with the Department of Indo-Tibetan Studies, Visva-Bharati. Title of presentation "Five Sciences in Mahayana Buddhist Literature: A Brief Introduction".

08.12.2019-09.12.2019. Presented a paper in an International Seminar entitled "Non-Violence and Buddhism" organized by Centre for Buddhist Studies, Visva-Bharati. Title of presentation "Concept of Enemy in Buddhism".

09.11.2019-11.11.2019 Presented a paper in an International Conference entitled "Tibetan and Mahayana Studies" organized by the Alumni, CIHTS, Sarnath. Title of presentation "Possibility of Women in Buddhism: A Study".

22.02.2019-23.02.2019 Presented a paper in an International Seminar entitled "Together Towards Tomorrow: The Role of Persian, Marathi, Hindi and other Languages for Sustainable Development" organized jointly by the Department of Arabic, Persian, Urdu & Islamic Studies; Department of Marathi and Rajbhasha Cell, Visva-Bharati. Title of presentation "Bauddha Dharmagrantho Ka

Hindi Anuvada: Avasyakta Evam Prasangikta."

07.01.2019-10.01.2019 Delivered six lectures, Organized by the Department of Philosophy, Raiganj University. Title of presentation "Mulamadhyamakakarika, Short Prajnaparamita, Concept of Pratityasamutpada and Concept of Yana."

### **Shedup Tenzin**

08.02.2020-09.02.2020. Presented a paper in the Two-Day International Conference at Panthanivas, Bhubaneswar organized by the P.G. Department of India, Centre of Excellence in Language & Culture, Utkal University, Bhubaneswar, Adikabi Sarala Das Chair of Odia Studies, CIL/SLL & CS, JNU, New Delhi & Kalinga Institute of Indo-Pacific Studies, Bhubaneswar. Title of presentation "Indo-Tibetan Literature: A Lost Treasure of India."

26.01.2020. Presented a paper in the International Conference entitled "Applied Buddhism and Global Peace" organized by Siddharth United Social Welfare Mission, The Regional Centre for World Fellowship of Buddhist & The World Sangha Council, Kolkata. Title of presentation "Great Compassion: A Source of Inner Peace."

01.11.2019. Presented a paper in the International Seminar entitled "Pali and Buddhist Literature" organized by Ambedkar Buddhist Welfare Mission in collaboration with the Department of Indo-Tibetan Studies, Visva-Bharati, Santiniketan. Title of presentation "Lojong Literature in Tibetan Buddhism: Its features and Importance."

08.12.2019-09.12.2019. Delivered the Keynote address in the Two-Day International Seminar organized by the Centre for Buddhist Studies, Visva-Bharati on the theme "Non-Violence and Buddhism".

Presented a paper in the International Conference entitled "International Seminar on Non-Violence and Buddhism" organized by Centre for Buddhist Studies, Visva-Bharati. Title of presentation "Loving Kindness and Compassion as a Component of Non-Violence: A Buddhist Approach."

Chairperson, Technical Session of the Two-Day International Seminar on the theme "Non-Violence and Buddhism" organized by the Centre for Buddhist Studies, Visva-Bharati.

10.12.2019. Presented a Tibetan poem at the International Festival entitled "International Multi-Lingual Poetry Festival on the Buddha" organized by Centre for Buddhist Studies, Visva-Bharati. Title of presentation "The Pleasant Melody of Bees that Draw Faith in Devotees."

01.11.2019. Chairperson, Technical Session of the One-Day International Seminar on the theme "Pali and Buddhist Literature" organized by the Department of Indo-Tibetan Studies, Visva-Bharati in collaboration with Santiniketan Ambedkar Buddhist Welfare Mission.

11.11.2019. Presented a paper at the National Seminar entitled "Development of Monastic System in India and Rainy Season Retreat (Vassavasa)", organized by Nava Nalanda Mahavihara (Deemed University), Nalanda, on the occasion of Kathina Civara Dana Festival. Title of presentation "Introduction of Mulasarvaatvadin Vinaya Tradition in Tibet: A Glimpse".

13.02.2020. Delivered a Lecture on "Indo-Tibetan Studies: A Lost Treasure of India" during the Bhasha-Vaibhava session organized by Bhasha-Bhavana, Visva-Bharati on at Bhasha-Bhavana Conference Hall, Visva-Bharati, Santiniketan.

### **Prakriti Chakraborty**

01.02.2020-01.02.2020. Presented a paper in the National Seminar entitled "Contribution of B.R. Ambedkar on Modern India" jointly organized by the Department of Marathi and SC/ST/OBC Employees Welfare Association, Visva Bharati". Title of presentation: "Buddhism and Human Rights."

### **Sonam Zangpo**(In-charge of Seminar Library, Dept. of ITS, since April, 2011 till date)

01.11.2019. Presented a paper in an International Seminar entitled International Seminar on "Pali and Buddhist Literature", organized by Santiniketan Ambedkar Buddhist Welfare Mission in collaboration with Dept. of Indo-Tibetan Studies, Visva-Bharati, Santiniketan. Title of presentation 'Tibetan Monastic Hierarchy and Education System: A Socio-Spiritual Approach' at Ballavpur Danga, Santiniketan.

15.11.2019-28.11.2019. Attended a 14-Day UGC-sponsored Interdisciplinary Refresher Course on 'India: Tradition, Art, Culture, and Society' Organized by UGC-HRDC, Panjab University, Chandigarh.

13.01.2020-14.01.2020 Participated in the Two-Day National Workshop on "Translation of Kagyur, Tengyur and Sungbum into Hindi from the Collection of Mahapandit Rahul Sankrityayan Brought from Tibet", jointly organized by Central Institute of Higher Tibetan Studies, Sarnath, Varanasi and Department of Arts, Culture and Youth Affairs, Govt. of Bihar.

### **Norbu Gyaltsan Negi**

09.11.2019-11.11.2019 Presented a paper in an International Conference entitled "CIHTS Alumni International conference on Tibetan and Himalayan Studies" from organised by Central Institute of Higher Tibetan Studies and Alumni Association of CIHTS, Sarnath, Varanasi. Title of presentation "Zangzung Samrajya ke Virast shon: Ek Adayyan."

08.12.2019-09.12.2019 Presented a paper in an International Seminar entitled "Non-Violence and Buddhism" organized by Centre for Buddhist Studies, Visva-Bharati, Santiniketan. Title of presentation "Concept of Non-Violence in Buddhism: An Introduction".

15-06-2019-25.06.2019 Participated in ten days "National Workshop on Research Methodology Course in Social Sciences" A.K. Dasgupta Centre for Planning and Development, Visva-Bharati, Santiniketan.

02-12-2019-09.12.2019. Participated in one week International Workshop on "Buddhism And Humanity", Centre for Buddhist Studies, Visva-Bharati, Santiniketan,

**Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)**

### **Shedup Tenzin**

26.01.2020 Conferred SUSWM World Peace Award, on the occasion of International Conference on "Applied Buddhism and Global Peace" organized by Siddharth United Social Welfare Mission, The Regional Centre for World Fellowship of Buddhist & The World Sangha Council, Kolkata.

### **Sonam Zangpo**

22.05.2019 Attended a JRF-SRF Upgradation meeting at the Centre for Far East Languages (Tibetan), Central University of Jharkhand, where invited as an 'External Subject Expert' for evaluation of the progress work of a Ph.D. Scholar of the mentioned Centre.

## **Publications:**

### **Books**

*Vasubandhu and Abhidharmakosa*, by Sanjib Kumar Das, Delhi: Buddhist World Press, 2020. ISBN: 9789389388015.

### **Articles in Journals/Chapters in Books**

"Possibility of Women in Buddhism: A Study" by Sanjib Kumar Das in *In Search of Truth*, Vol No II 2019. ISBN 987-81-936254-8-4.

"Bod rig pa'i mkhas dbang banga la'i slob dpon chen po sa rat candra das sam ston zla'i 'khol po (1849-1917)", *In Search of Truth: Part II*, A collection of articles authored by CIHTS alumni in honour of Prof. Samdong Rinpoche, (ed.) The editorial Board Prof. S. Rinpoche Felicitation Volume, Alumni Association of Central Institute of Higher Tibetan Studies, Sarnath, Varanasi p.p. 651-672, 2019, ISBN: 978-81-936254-8-4.

"Modern Education and Development: Buddhist Perspective" by Sonam Zangpo in *Resilience Building and Sustainable Development: Indian Perspective*, Edited by Prof. Pranab Kumar Chattopadhyay and Daya Shankar Kushwaha, New Delhi publishers, 2019. pp. 37-46. ISBN: 978-93-88879-11-8.

"Zangzung Samrajya ke Virast Shon: Ek Adayyan" by Norbu Gyaltzen Negi, *In Search of Truth Part II : A collection of Articles Authored by CIHTS alumni in Honour of Prof: Samdong Rinpoche* (Prof. S. Rinpoche Felicitation Volume, Alumni Association of Central Institute of Higher Tibetan Studies, Sarnath) Varanasi: Sattanam Printers, 2019. ISBN: 978-81-936254-0-4 p.p. 1077-1090.

Translation of 'Arjun' (Mahasweta Devi) by Prakriti Chakraborty in *Ethnic Tapestry* (Bengali short stories an indigenous people), Centre of Excellence (CoE), Department of Odia, Visva-Bharati, Santiniketan, 2019 (Government of India, Ministry of Tribal Affairs).

"Human Dharma of the Buddha: a Glimpse" by Sanjib Kumar Das in *Nibban Bodhi*, Vol No XIV, pp. 34-40, July- December, 2019. IS

"Works of Asvaghosa as incorporated in Tibetan Canonical and Non-Canonical Texts" by Shedup Tenzin in *Journal of Emerging Technologies and Innovative Research*, An International Open Access Journal, Volume 6, Issue 6, 2019. ISSN: 2349-5162, (ISSN UGC Approved (Journal No. 63975) & 5.87 Impact Factor, pp. 695-701,

"The Fall of Namgyal Dynasty: A Modern Perspective" by Shedup Tenzin in *Ajanta*, An International Multidisciplinary Quarterly Research Journal, Peer Reviewed Referred and UGC Listed Journal (Journal No. 40776), Vol. VIII, Issue-I, pp. 20-27, 2019. ISSN: 2277-5730

'The Buddha and Philosophy of Karma (Action) in Buddhism: Introduction', by Sonam Zangpo in *Sailakanyaka: Professor Sailabala Senapati Felicitation Volume* (Peer Reviewed), ed. Prof. Aruna Ranjan Mishra and Dr. Sashibhusan Mishra, pp 56-70, published by Centre for Buddhist Studies, Visva-Bharati, Santiniketan & The Banaras Mercantile Co. ISBN: 978-81-86359-77-X.

A research article entitled "Bharat Ratna Dr. B.R. Ambedkar (1891-1956): A Buddhist Pandita of Modern India", by Sonam Zangpo pg. 32-36, No. 40776 - ISSN 2277-5730, in *AJANTA* Vol. IX, issue-II April-June, 2019, published by Ajanta Prakashan, Aurangabad, (M.S.).

'Himalayi Sanskriti Mein Paryavaran Chintan', by Sonam Zangpo in *Jangtsham*, ed. Prof. V. S. Negi, Series No. 3, 42-46, Shimla: Kinnaur, Lahaul-Spiti Bauddha Sewa Sangha, 2019.

"Bon Dharam Ka Parichay" by Norbu Gyaltzen Negi, in *Ajanta* Peer Reviewed Referred and UGC listed journal (Journal No. 40776), an International Multidisciplinary Quarterly Research Journal, Ajanta Prakashan, Aurangabad (MS). Maharaska, April-June 2019, (ISSN:2277-5730): 13-18.

"*Relevance of Four Brahmavihara: In the Modern Context*" by Norbu Gyaltzen Negi, in *Ajanta* Peer Reviewed Referred and UGC listed journal (Journal No. 40776), an International Multidisciplinary Quarterly Research Journal, Ajanta Prakashan, Aurangabad (MS). Maharaska, April-June 2019, (ISSN:2277-5730): 64-70.

"Nalanda Viswavidyalaya ka Virast ko jivit rakhne men Bhot Desh ka yogdan: *Ek Adayyan*" by Norbu Gyaltzen Negi, in *International Journal of Research and Analytical Reviews (IJRAR)*, June 2019, Volume 6, Issue 2. (E-ISSN: 2348-1269, P-ISSN-2349-5138): 493-497.

"Geshema: A Milestone Example of Women's Empowerment in Tibetan Buddhism".by Norbu Gyaltzen Negi, in *International Education Applied Research Journal: A Multi-Disciplinary Research Journal* 2019. Vol. 03, issue 09, Sep 2019 (E-ISSN:2456-6713) 5-7.

## Department of Santali

### **Name of the students qualified in UGC NET/SLET Examinations:**

1. Baburam Hembram
2. Gopal Hansda
3. Rumki Bhul
4. Buddhadev Biswas
5. Kailash Soren
6. Gopa Soren.

### **Participation in International and National Conferences/Seminars/Workshop:**

#### **Dhaneshwar Manjhi**

17.04.2019: Delivered a Lecture as a Presidential on Baba Sahib Bhimrao Ambedkar Jayanti in Book Release Programme organized by Center for SC, ST Support and Research (CSSR) Kolkata at ICCR, Satyajit Roy Auditorium , Kolkata.

30. 05.2019: Delivered a Lecture as a guest on Santal Hul-1855-56 organized by Jamalpur Block Hul Maha Udyapan committee, Jamalpur, PurbaBurdwan.

24. 10. 2019: Delivered a Lecture at Santali Teachers' Training Programme (in Olchiki)- 2019 organized by ASECA (W.B.) at Shibdanga ASECA (W.) Bankura District Branch, Shibdanga, Khulyamuru, Bankura.

15. 11. 2019: Delivered a Lecture on Bhasha-Vaibhava organized by Bhasha-Bhavana, V.B. at Bhasha-Bhavana Conference Hall.

Member:

Equal Opportunity Cell, Visva-Bharati, Santiniketan.

Paschim Banga Santali Academy

18.01.2020:As a Panel of Judges on Zonal level one act drama competition in Tribal Language for the financial year 2019-20 comprising Birbhum & Murshidabad Districts organized by Project Officer cum District Welfare Officer Backward Classes, Welfare & Tribal Development, Birbhum at Joy Durga High School, Ahmadpur under Sainthia Panchayat Samity, Dist-Birbhum.

UGBS & PGBS, The University of Burdwan, Burdwan, Bankura University, Bankura, Vidyasagar University, Midnapur.

### **Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department. -**

- (i) The Santali Department actively participated and opened a stall 'Ananda Bazar' organize by Karmi Sabha, Visva-Bharati. Stall Named is 'Sibil-Sorom' and Student Team Leader Dr. Dhaneshwar Manjhi.
- (ii) Participation all students of Santali Department NSS and Gandhi Punyaha.
- (iii) Participation as a volunteer of all students of Santali Department Poush Mela and Dol Utsava.



**Publications:****Books:**

*Khondron Onol (A collection of Research Essays in Santali)*, Dr. Dhaneshwar Manjhi and Dr. Ramu Hembrom, Karandih, Dabanki Press, 2019, ISBN 978-81-940515-2-7

1. Editor-Asha Magazine, Santiniketan
2. Editor-*The Santal*, Santiniketan
3. Sub-Editor- *Akhara*, Ranchi

## **Department of Japanese (Nippon Bhavana)**

### **Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.**

Mr. Prosenjit Chakraborty (NET with JRF - June 2019)

Mr. Debopriya Das (NET with JRF - December 2019)

### **Departmental Activities**

18.08.2019: Organized Special lecture on "75th Anniversary of Indian National Army (INA) and Japan" by Prof. Purabi Roy, former Professor of International Studies, Jadavpur University, Kolkata, as a part of Silver Jubilee year of the inauguration of Nippon Bhavana.

13-17.09.2019: Organized '5-day Japanese Language Teachers' Training Course' conducted by The Ministry of External Affairs of India and the Embassy of Japan in India with support of the Japan Foundation, New Delhi.

28.01.2020. Organized a Lecture on "India-Japan Connection" by Mr. Mitsuo Kawaguchi, former Consul General of Japan, Kolkata & former Visiting Professor, Department of Japanese, Visva-Bharati.

### **Participation in National/International Conference /Seminar /Workshop/ Exhibition**

#### **Gita A. Keeni**

16-18.11.2019. Chaired a session at the International Conference entitled "Road Map for the Development of Rural Tourism in & around Birbhum" organized by the Visva-Bharati, Santiniketan in collaboration with the Ministry of Tourism, Government of India and Tourism Department, Government of West Bengal. Santiniketan, West Bengal.

9.12.2019-10.12.2019. Presented a paper in the International Conference on "Japanese Studies in India and South Asia: Towards a New Horizon (インド・南アジアにおける日本研究: 新たな地平線に向かって)" organized by the Centre for Japanese Studies, School of Language Literature and Culture Studies, Jawaharlal Nehru University, New Delhi. Title of presentation "Wit of one and Wisdom of many: Unique Cultural Treasure Resources of a Society."

9.12.2019-10.12.2019. Participated in the Round Table Session at the International Conference on "Japanese Studies in India and South Asia : Towards a New Horizon(インド・南アジアにおける日本研究: 新たな地平線に向かって)" organized by the Centre for Japanese Studies, School of Language Literature and Culture Studies, Jawaharlal Nehru University, New Delhi.

#### **Sudipta Das**

9.12.2019-10.12.2019. Presented a paper on in the International Conference on "Japanese Studies in India and South Asia: Towards a New Horizon(インド・南アジアにおける日本研究: 新たな地平線に向かって)" organized by the Centre for Japanese Studies, School of Language Literature and Culture Studies, Jawaharlal Nehru University, New Delhi. Title of presentation "Lesser Known Footsteps towards Indian Independence in Japan."

9.12.2019-10.12.2019. Participated in the Round Table Session at the International Conference on "Japanese Studies in India and South Asia: Towards a New Horizon (インド・南アジアにおける日本研究: 新たな地平線に向かって)" organized by the Centre for Japanese Studies, School of Language Literature and Culture Studies, Jawaharlal Nehru University, New Delhi.

**Extension activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department.**

11.02.2020-16.02.2020. Reitaku University visit under the Exchange Student Programme.

17.02.2020-19.02.2020. Cultural Exchange Programme with Chikushi Jogakuen University

06.03.2020. "Kimono Revolution", "Eiheoji:Inside Dogen's Zen Monastery", "Sesshu's World of Zen in Ink", NHK documentary highlighting some aspects of Japanese Culture, organized in collaboration with the Consulate General of Japan in Kolkata.

**Publications**

Book:

*Primary Education System in Japan and India* by Ajoy Kumar Das. Avenel Press, Burdwan/ Kolkata, June 2019, ISBN: 978-93-80761-86-2.

**Articles in Journals/Chapters in Books:**

"Education of Warrior in Japan: An Introspection." Ajoy Kumar Das. *Journal of Educational and Development*. Vol.9, No.17, pp. 676-680, May-June 2019. ISSN: 2248-9703.

"Primary Education in Japan: Its Problems in 21st Century". Ajoy Kumar Das. *International Journal of Social Science*. Vol. 8, no. 2, pp. 39- 44, June 2019. ISSN: 2249-6637.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting, should be included.

**Student's achievement**

Sudip Singha (Research Scholar)

Selected for the Student Exchange Program for 4 months (April~July,2019) as Doctoral Scholar conducted in Reitaku University, Graduate School of Language, Japan.

**In the Eastern India Japanese Language Speech Contest, 2019 the following students ranked high:**

Sl.	Name of the participants	Group	Position obtained
1	Sk. Ajahar	Senior	First
2	Ritika Bhakat	Senior	Second
3	Sk. Sabir Ali	Senior	Third

**University Swacchata Drive**

Besides participation in the Swacchata Drive organized by the University, students of the Department took the initiative to bring back and enhance the past glory of the Japanese Garden in Nippon Bhavana, working during the morning hours of a day of University weekends. This initiative of the students was highly appreciated by the Consul General of Japan in Kolkata and other visitors from Japan.

**Japanese Language Proficiency Test July 2019**

The Department successfully arranged the Japanese Language Proficiency Test (JLPT) on 7th July 2019, in collaboration with the Japan Foundation, Japan and kind support of the Consulate General of Japan, Kolkata. 308 Japanese Language learners of Santiniketan, Sriniketan and surrounding applied for different levels (1-5) of the test which is held globally on first Sunday of July and December.

## Department of Chinese Language and Culture

### Departmental Profile:

Visva-Bharati Cheena-Bhavana (Department of Chinese Language and Culture) was established by Gurudeva Rabindranath Tagore and Prof. Tan Yun-Shan on 14 April 1937. Gurudeva Tagore aspired to see this institution playing a significant role in Sino-Indian relationship: "The objective of this department (Cheena-Bhavana ) shall be to establish and promote cultural exchange between China and India for which purpose it will provide facilities for Chinese scholars to study Indian languages, literatures, history, religion, philosophy etc. as well for Indian scholars to study Chinese language, literature, religion, philosophy etc. --- Buddhism being regarded as the nucleus for all such studies." (Visva-Bharati Bulletin No. 24 of April, 1939).

The institution attracts students and scholars from China, various parts of India, almost all Asian countries and Africa, Europe and America, and especially from Sri Lanka, Japan, Myanmar, Thailand and Nepal. A voluminous amount of translation work was carried out and the publication of the Sino-Indian Journal started. The Cheena-Bhavana library is the best of its kind in preserving Chinese books and journals in whole South Asia with its treasure house of over fifty thousand rare and invaluable books. In November, 2014 President of People's Republic of China Mr Xi Jinping awarded Cheena Bhavana the 'Panchsheel Friendship Award', at a function in Delhi for Cheena Bhavana's contribution in upholding the Five Principles of Peaceful Coexistence, strengthening people to people friendship and promoting World Peace and Development.

### Name of the students qualified in UGC NET/SLET Examinations:

Diptangshu Gangopadhyay qualified in UGC NET with JRF in December 2019.

Scholarship/ Achievements:

- 1) In 2019, three (01) student was selected by the Indian Government for Human Resource Development Ministry Scholarship, Government of India, to pursue studies in China under the India-China Bilateral Cultural Exchange Programme.
- 2) In 2019, seven students were nominated for Chinese Government Scholarship to pursue one semester studies in China under the MOU between Visva-Bharat and Beijing University, China
- 3) In 2019, one student got a scholarship to study in China for one year or more.
- 4) 15 students got job in various transnational companies through on campus and off campus selection process.

### Departmental Activities:

05.07.2019-05.08.2019: Organized a one month "Teachers' Training" course (Workshop at Cheena-Bhavana, Visva-Bharati under MOU between HANBAN, Peking University of China and Visva-Bharati from 5th July to 5th August 2019.

10.08.2019-09.11.2019: Prof. Liming Zhang, Department of Anthropology, School of Ethnology and Sociology, Yunnan University, Kunming, Yunnan Province, China have been pursuing his Research "Ethnography of International Chinese Teaching in India (2017-20) at Cheena-Bhavana, Visva-Bharati.

18.08.2019: A Round Table Conference and Discussion between Delegation from Institute of South

Asian Studies, Sichuan University and faculty, scholars and students of Cheena-Bhavana, Visva-Bharati was held at the department.

06.09.2019-07.09.2019: Organized two days International Conference on "Prespectives on India-China Development Dynamics (1949-2019)". Eminent scholars from JNU, DU, Institute of Chinese Studies, and 12 Scholars from China participated in this Conference.

18.11.2019: In association with the Consulate Office of the People's Republic of China in Kolkata organized a Chinese Level Contest (Fifth Hieun Tsang Cup Chinese Language Contest) at Cheena-Bhavana, Visva-Bharati.

14.12.2019: Justice TBN Radhakrishnand, Chief Justice, High Court, Calcutta visited Cheena-Bhavana, Visva-Bharati.

06.01.2020 and 25.02.2020: Arranged a Seminar Presentation Session for Students of BA (Honours) in Chinese, Semester-VI and MA in Chinese, Semester-II & IV.

13.01.2020: His excellency, Mr Sun Weidong ,Ambassador of the People's Republic of China to India visited Cheena Bhavana, interacted with the students and faculty member of the Department and a small cultural event was organized on this occasion.

06.02.2020: Students and Teachers of Fu Jen Catholic University, Taiwan visited Cheena Bhavana and an interaction programme among the Faculty and Students was organized.

#### **National and International Conference/Seminar/Workshop/Exhibition:**

##### **Avijit Banerjee**

18.06.2019 - 24.06.2019: Visited China on a 7 Day Academic Visit.

14.04.2019: Delivered a lecture at Institute of Peace and Conflict Studies, New Delhi. Title of presentation: "India and the Belt and Road Initiative: A Perspective from West Bengal."

11.08.2019: Presented a paper in Symposium entitled "The Second Symposium on China-India Exchange and Cooperation in Language Education" at Beijing organized by HANBAN, PRC. Title of presentation: "Leading role of Visva-Bharati Cheena Bhavana in fostering India-China Cultural relations."

06.09.2019- 07.09.2019: Presented a paper in an International Conference entitled "Perspectives on India-China Developmental Dynamics (1949-2019)" at Cheena Bhavana organized by Visva-Bharati Cheena Bhavana in association with the Consulate Office of China in Kolkata. Title of presentation: "People to People Connectivity: Important Tool for Promoting India-China Relations."

20.10.2019: Delivered a Lecture at the Department of South Asian Languages, School of Asian and African Studies, Beijing Foreign Studies University , Beijing, PRC. Title of lecture: "Strong People to People Exchanges: The Foundation of India-China Relations in the Future."

21.10.2019: Delivered a Lecture at the Department of Bengali, School of Asian Studies, Beijing Foreign Studies University , Beijing, PRC. Title of lecture: "How the Chinese Students can Learn Bengali Well."

22.10.2019: Delivered a Lecture as a part of the Distinguished Lecture Series on 22nd October, 2019 at the Beijing Institute of Technology , Beijing, PRC. Title of presentation "Cheena Bhavana, Visva-Bharati in India: A Place for Cultivating Pioneers of India-China Relations."

20.10.2019: Delivered a Lecture at the Academy of Comparative Civilizations and Intercultural Communication, Beijing Foreign Studies University, Beijing, PRC. Title of presentation "Sino-Indian Dialogue: From the shared similar Cultures to the Common Development."

13.03.2020. Presented a paper at the Seminar entitled "Calcutta Dialogue- (India - PR China Relations)" on 13th March, 2020 at Kolkata organized by The Research Centre for Eastern and North Eastern Regional Studies, Kolkata (CENERS-K) at Kolkata. Title of the presentation: "Achievements and Prospects of India-China People-to-People Exchange."

**Publications:**

**Article in Journal/Chapter in Book:**

"The Power of Cultural Exchange", by Avijit Banerjee in *China India Dialogue*, Vol.20, No.2. April ISSN 2096-2592.

"Chiner Panchti Choto Golper samalochona", by Subhankar Dein Kamalini Prakashan Bibhag, Kolkata (Dey's Publishing House), October 2019, ISBN- 978-93-89894-01-1.

## Department of Marathi

### Departmental Profile:

Every year the Department of Marathi celebrates Shivaji Maharaj Birth Celebration and organizes Special Lecture on 'Chatrapati Shivaji Maharaj'. The object of this lecture is to introduce glorious history of Maharashtra and Shivaji Maharaj.

Certificate, Diploma, Advanced Diploma courses are running at the Marathi Department. The number of students for this course is increasing every year. In the academic year 2019-20, the Marathi department has designed a course called Generic Elective which has been approved by the Academic Council. This course will start in the academic year 2020-21. The Marathi department will start a new course based on skill development in the coming academic year as per the new educational policy.

### Departmental Activities:

02.03.2020: Organized Special Lecture on Chatrapati Shivaji Maharaj delivered by Dr. Amarendra Kumar, Associate Professor, Department of History, Visva-Bharati Title of presentation: "Chatrapati Shivaji Maharaj: Swaraj and Statecraft."

01.02.2020-02.02.2020: Organized two days National Conference entitled 'Contribution of Dr.B.R.Ambedkar to Modern India', Jointly organized with Dr.Ambedkar foundation, New Delhi and SC, ST, OBC Employees Welfare Association, Visva-Bharati

21.02.2020-22.02.2020 Organized two days International Seminar entitled "Together, Towards, Tomorrow: The role of Persian, Marathi, Hindi and other Languages for Sustainable Development". Jointly organized with Department of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati and Rajbhasha Cell, Visva-Bharati.

### Participation in International & National Conferences /Seminars/Workshop/Exhibition:

#### Ranvir Sumedh Bhagwan

01.02.2020-02.02.2020- Presented a paper in a National Seminar organized by Department of Marathi, Visva-Bharati and SC, ST, OBC Employees Association, Visva-Bharati collaboration with Ambedkar Foundation, New Delhi. Title of presentation: "Caste Discrimination and Dr B.R. Ambedkar."

05.02.2020-06.02.2020- Presented a paper in a National Seminar organized by Department of Odia, Visva-Bharati. Title of presentation "Poetry of Gres and Gopalkrushna Rath."

22.02.2020-23.02.2020 Presented a paper in an International Seminar, jointly organized by Dept.of Arabic, Persian, Urdu and Islamic Studies, Visva-Bharati, Dept. of Marathi, Visva-Bharati & Rajbhasha Cell, Visva-Bharati. Title of presentation: "Marathi Bhasha ka Shashwat Vikas me Yogdan."

01.11.2019. Delivered a Special Lecture on "Tradition of Rebellion: Marathi Poetry and Namdev Dhasal" in 'Bhasha-Vaibhava' weekly lecture series, Organized by Bhasha-Bhavana, Visva-Bharati.

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department.

Administrative activities of Teacher

Vice-Principal of Bhasha-Bhavana

Holding the post of In-charge, Marathi Dept.

Programme officer of the NSS Unit, Bhasha-Bhavana.

University NSS Programme Coordinator.

### **Cultural Activity**

1. Students of Dept.of Marathi have presented cultural programme in Chtrapati Shivaji Maharaj Birth Celebration.
2. Students of Department of Marathi have presented cultural programme in "Matribhasha-Divas and National Seminar on Dr.Ambedkar.

### **Designing New Course/Curriculum or any other teaching innovations introduced by the Department.**

Department of Marathi has designed course of Generic Elective and approved it in Academic Council in 2019-2020.



## Department of Tamil

### Departmental Profile

In last five years, the number of courses have increased from two to nine. PG and Ph.D Courses were introduced and students are admitted from across India. Three new Diploma courses were introduced for skill development and employability. This Department is the only PG Department of Tamil in Eastern India. In future we are planning to increase the faculty strength. Planning to seek financial grants from the Tamil Development Board, Government of Tamil Nadu. We are planning to develop a Google Translation Lab in our Department.

### Departmental Seminar

10.12.2019: Dr.K.Mavali Rajan on Tamil Buddhism.

02.01.2020: Dr.Senthil Prakash, on Tamil Bengali Translation.

11.02.2020: Tamil Sanakar on Tamil Buddhism & Culture.

### Participation in National and International Conference/Seminar/Workshop/Exhibition: Senthil Prakash.S

09.01.2020. Presented a paper in the National level symposium on "Celebrating the City: Representations of Kolkata in Indian Literature" organized by Sahitya Akademi.

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department

Given guest lecture to various colleges in Tamil Nadu.

### Publications:

#### Chapters in Articles in Journals/Chapters in Books:

பண்டைய தமிழகத்தில் அடிமை முறை (Slavery in Ancient Tamilnadu)", Dr.K.Mavali Rajan and Dr.Senthil Prakash.S, Trichy, *Journal of Classical Thamizh*, Vol.7, No.3, 2019, pp.48-55, ISSN: 2321 0737.

நவநீதா தேவ் சென்னின் வாழ்வும் படைப்பிலக்கியப் பங்களிப்பும் (Nabinatha Sen's Life & Contribution to the Creative Writing), N.Satheeswaran & Dr.Senthil Prakash.S, Trichy, *Modern Thamiz Research*, vol.7. No.2,2019, ISSN: 2321 984X.

#### Designing New Course/Curriculum

Following courses are newly introduced in to the current academic year April 2019:

1. M.A. Tamil (P.C-960)
2. Diploma in Epigraphy (Tamil) (P.C.951)
3. Diploma in Temple art & architecture in Tamilnadu (P.C.952)
4. Diploma in Theatre tradition in Tamilnadu (P.C. 953)

E-learning methods & e-content developed for the new Diploma courses in the Department.

## Department of Assamese

### Departmental Profile

The Department re-opened in June, 2007, after the joining of the only faculty as an Assistant Professor in Assamese and started with 2 students of Certificate course. Now this is a Department with two year certificate, one year diploma course in Assamese Language, Ph.D Course from 2014 and is offering Assamese as a Core Subject in M.A. Course for Comparative Literature since 2015. The Assamese Department is presently offering Ph.D in Assamese Language, Literature & Culture as well as comparative study with Assamese. The query and interest of students all over Assam and North-East India to pursue Ph.D is quite amazing. As the Department has started Ph.D programme from 2014 and 4 (Four) students are pursuing Ph.D, the department wishes to develop its infrastructure, intake capacity of students & faculty due to students' demand. Now the department is planning to introduce two Skill-based Diploma Courses- Creative Writing in Assamese and Translation in Assamese and one Value-added Course - Assam Studies. The Department desires to introduce M.A. in Assamese in Visva-Bharati. The plan for new Skill-based and Value-added Courses and Syllabus are under process.

### Participation in National and International Conference /Seminar /Workshop

#### Sangita Saikia

07.09.2019-08.09.2019. Presented a paper at the 5th International Summit entitled "Indian Social Sciences and Humanities Congress 2019" at Jadavpur University, Kolkata. Title of presentation: "Assamese Words in Mising Folksongs - An Analytical Study."

16.10.2019-29.10.2019. Attended Refresher Course on Language & Literature of India at UGC-HRDC- Gauhati University.

### Publications

#### Books

*Bhasha-Sahitya Sanskritir Dhetor Kola* (Collection of selected articles of language, literature, culture and societies by Prof. Upen Rabha Hakacham), Sangita Saikia. ed.

Upen Rabha Hakacham, Jyotirekha Hazarika, Kusumbar Barua, Sangita Saikia, Rabindra Nath Sarma, Chumi Kalita, Bijoy Krishna Dolay. ISBN 978-93-89491-39-5.

#### Articles in Journals/Chapters in Books

"Purani Devatar Natun Bipod", translation of Tagore 's essay into Assamese by Sangita Saikia, *Prakash*, Vol 19, November, 2019, pp. 87ff. ISSN 2279-0683.

"Language Diversity and Deuri Language (Bhasha Baichitrya aru Deuri Bhasha)" by Sangita Saikia in *Sampriti*, Vol 6, March, 2020, pp. 14ff, ISSN 2454 3837.

## **Centre for Modern European Languages, Literatures and Culture Studies (CMELLCS)**

Name of the students qualified in UGC NET/SLET Examinations:

NET with JRF: Sewan Lama Tamang (Subject - Russian)

### **Departmental Activities:**

02.07.2019: Prof. Raahman Chowdhury, Retd. Professor, Gono University, Bangladesh, delivered a lecture at CMELLCS, Bhasha-Bhavana, Visva-Bharati. Title of presentation "Bangladeshe Bideshinatoker Grohonyota."

18.08.2019. Dr. Milind Brahme, Associated Professor of German, Department of Humanities and Social Sciences, IIT Madras, Chennai, delivered a lecture at CMELLCS, Bhasha-Bhavana, Visva-Bharati. Professor Rajendra Denge, Professor of German, Centre of German Studies, SLL&CS, JNU, New Delhi, chaired and moderated the lecture session. Title of presentation "Relevance of Foreign Language Philologies."

18.08.2019. Dr. Milind Brahme, Associated Professor of German, Department of Humanities and Social Sciences, IIT Madras, Chennai, held a workshop for students of German at CMELLCS, Bhasha-Bhavana, Visva-Bharati. Professor Rajendra Denge, Professor of German, Centre of German Studies, SLL&CS, JNU, New Delhi, chaired and moderated the lecture session. Title of presentation "Hermann Broch, Hermann Bahr und die Überwindung des Naturalismus" ("Hermann Broch, Hermann Bahr and the Overcoming of Naturalism").

16.09.2019. Prof. Nalini Thampi, Professor of French, Pondicherry University, delivered lectures and held master classes for PG students and PhD scholars on Francophone Literature.

09.11.2019. Prof. Shubha Chakraborty Dasgupta, Former Professor of Comparative Literature, Jadavpur University, Kolkata, delivered a lecture. Title of presentation: "Perspectives on Rabindranath Tagore and Cross-Cultural Communication."

23.11.2019. French Consul General Mme Virginia Corteval visited CMELLCS and held an interactive session with faculty and students. The Consul General and her team apprised students about opportunities for higher studies in France. She encouraged students to pursue higher studies in French Studies and in France.

06.01.2020. Mr. Norbert Neuser, Member of European Parliament and Founder of the welfare trust "Kick for Help" visited CMELLCS and held an interactive session with students and faculty and an invited audience. Dr. Martin Kämpchen, writer, Tagore - translator and scholar, moderated the interaction. The event was jointly hosted by CMELLCS and Ghosaldanga-Bishnubati Adivasi Trust.

10.01.2020. Prof. Indrani Das, Professor of Italian, CMELLCS delivered a lecture on at Bhasha-Baibhav, weekly seminar of Bhasha-Bhavana, Visva Bharati. Title of presentation "Roman Mosaics: Ravenna and Beyond."

## **Participation in National and International Conferences/ Seminars/ Workshops**

### **Romit Roy**

14.11.2019 - 16.11.2019. Presented a paper in the International Conference of Goethe Society of India, Jawaharlal Nehru University, New Delhi. Title of presentation: "In Search of the Individual: Three Musicians and and the 'Music Tradition' of Santiniketan."

12.03.2020-13.03.2020. Panelist at "Disha: International Conference on "Evolving Trends in Higher Education" St Xaviers College (Autonomous) Mumbai. Title of panel discussion: "Relevance of Higher Education in Higher Educational Institutions."

### **Nilanjan Chakrabarti**

18.08.2019. Delivered a lecture at "Carcã: Exercise in Comparativisms" a monthly lecture series organized by Centre for Comparative Literature, Visva-Bharati. Title of presentation "Beginning and Evolution of Modern European Languages and Culture Studies at Visva-Bharati."

09.08.2020. Presented a paper at the sixth session of Bhasha-Vaibhava the academic forum constituted at Bhasha-Bhavana, Visva-Bharati. Title of presentation: "Francophonie and Francophone literature."

15.10.2019 - 16.10.2019. Presented a paper in the International conference entitled Rethinking "Theatre, Drama and Sustainable Studies ( RTDS 2019)" held at Amity University Rajasthan Jaipur. Title of presentation: "Woman in Francophone African Historical and Political Theatre."

11.01.2020. Presented a research paper at the international conference at University of Rajasthan entitled "Évaluation et reevaluation des passages culturels entre Inde et Europe du XVIIIe siècle à nos jours." Title of presentation "De la description à la possession: étudier l'espace dans les récits des voyageurs français en Inde au dix-huitième siècle."

## **Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)**

### **Romit Roy:**

13.02.2020: DAAD Travel Grant, max. 1000 €, for attending and presenting a paper at IVG-Kongress 26.07.2020 to 02.08.2020 in Palermo, Italy. Title of paper considered for award of the grant: "Derdialektische Komponist" als Synkretist: Musikphilosophie und Kompositionspraxis von Rabindranath Tagore. (IVG-Kongress was cancelled and postponed, due to worldwide Covid-19 pandemic, vide email advisory of the Sectional Directorate B17 dated 25 March 2020 and vide website notification of IVG2020. Hence travel grant could not be utilized.)

### **Publications**

"Resisting Voices or the Allure of the Centre: French Fiction in Hindi Translation" by Nipun Nutan in *India in Translation, Translation in India*, ed. G.J.V. Prasad. New Delhi: Bloomsbury Academic India, 2019. ISBN: 9789388414197

*Romashka - A Textbook of Text Analysis*, Co-authored by Subhash Kumar Thakur, New Delhi: Langers International, 2019. ISBN: 978-93-85478-91-8

**Other relevant information**

- (i) CMELLCS and Goethe Institut / Max Mueller Bhavan Kolkata: ongoing collaboration Travelling Library since 17 May 2017.
- (ii) CMELLCS alumni from BA (Hons.) in French, German, Italian, and Russian have been successful in continuing higher studies in other national and international institutes of higher studies.
- (iii) CMELLCS alumni from BA (Hons.), MA, Certificate, Diploma and Advanced Diploma courses have successfully found employment in various sectors like BPO, tourism, teaching foreign languages (esp. Kendriya Vidyalay), personnel training and others.
- (iv) 10 .09. 2019: Led a team of students of German form BA (Hons.) Semesters III and V and MA Semester I to visit Goethe Institut / Max Mueller Bhavan Kolkata for a one-day study tour to participate in "VRwandlung: Kafka in Virtual Reality", a virtual reality interpretation of Franz Kafka's classic story *Die Verwandlung (Metamorphosis)*

## Centre for Buddhist Studies

### Centre Profile

Rabindranath Tagore favoured learning and research on various aspects of Buddhism through Sanskrit, Pali, Chinese and Tibetan. The invitation of Sylvain Levi (1863-1935) in 1921 to Santiniketan may be termed as the starting of scientific research on Buddhist Studies at Visva-Bharati. Rabindranath Tagore himself was a student of Professor Levi in the early twenties along with M.V. Shastri and P.C. Bagchi. The research contributions of P.C. Bagchi and M.V. Shastri to Buddhist Studies through the medium of Chinese, Tibetan and Japanese at Visva-Bharati became of extreme importance for later scholar generations.

In 1925 the Italian Government under Mussolini sent Giuseppe Tucci (1895-1984), an Italian scholar of oriental cultures, specializing in Tibet and History of Buddhism to Santiniketan, where he taught Italian and Chinese languages and also studied Buddhism, Tibetan and Bengali. He remained in India till 1931. With the establishment of Cheena Bhavana by Rabindranath Tagore and Prof. Tan Yun-Shan in 1937 to promote peace and harmony and building up of the 'Great Unity' of the world, and the opening of Certificate and Diploma courses in Indo-Tibetan and Japanese under P.C. Bagchi in 1954, Buddhist Studies continued in study and research in separate Departments of Visva-Bharati. Great contributors to Buddhist Studies in the last decades were by venerable mChi.Med Rig. 'Dzin Lama (1954-1985), Lama Chimpa (1928-2011) and S.K. Pathak.

The Centre for Buddhist Studies at Visva-Bharati was established under the UGC Scheme of Social Epoch Making Thinkers in 2005 by the then Head of the Department of Indo-Tibetan Studies, Dr. Narendra Dash. Due to his unexpected and sad demise in the same year, the Centre was only launched in July 2007 with Prof. Dr. Andrea Loseries, the new Head of the Department of Indo-Tibetan Studies, as Director.

It is an interdisciplinary and interdepartmental forum. The activities of the Centre are : International Seminars and Workshops, Special Lectures, Class Lectures, Film shows, exhibitions and research programs and publications (Buddhist World Press, New Delhi).

### Present Advisory Board

1. Chairperson : Prof. Bidyut Chakraborty, Vice-Chancellor, Visva-Bharati
2. Prof. Manju Rani Singh, Principal, Bhasha-Bhavana
3. Prof. Amal Kumar Pal, Director, Rabindra Bhavana
4. Prof. Rabindranath Mishra, Head, Department of Hindi
5. Dr. Sedup Tenzing, Head(I/C), Department of Indo-Tibetan Studies
6. Prof. Aruna Ranjan Mishra, Director (I/C), CBS and Convener

### Departmental Activity

08.12.2019-09.12.2019: Organized International Seminar entitled "Non-Violence and Buddhism".  
10.12.2019. International Multilingual Poetry Festival on Buddha organized by the Centre for Buddhist Studies, Visva-Bharati.

## **Participation in International and National Conferences /Seminars/Workshop/Exhibition:**

### **Arun Ranjan Mishra**

26.07.2019. Delivered an Invited Talk at Bhasha Bhavana, Visva-Bharati. Title of presentation: "Buddhism in Odisha."

09.08.2019. Delivered an Invited Talk at the Department of Sanskrit, Utkal University, Bhubaneswar. Title of presentation: "Buddhist Heritage of Odisha."

18.08.2019 - 19.08.2019. Presented a Paper at the National Seminar on 'Sanskrit and Culture - Two Credentials of India' organised by the Department of Sanskrit, Visva-Bharati, Santiniketan. Title of presentation: "Sanskrit : The Basis of Indian Culture."

08.12.2019 - 09.12.2019. Chaired a session at the International Seminar entitled 'Non-Violence and Buddhism' organised by the Centre for Buddhist Studies, Visva-Bharati, Santiniketan.

08.12.2019-09.12.2019. Presented a paper at the International Seminar entitled 'Non-Violence and Buddhism' organised by the Centre for Buddhist Studies, Visva-Bharati, Santiniketan. Title of presentation: "Non-Violence in Buddhism."

10.01.2020 -12.01.2020. Presented a Paper on in the Pali & Buddhism Section of the All India Oriental Conference (50th Session), Nagpur. Title of presentation "Concept of Dhyana in Mahayara-Sutralankara."

25.01.2020. Presented a Paper at the National Seminar on 'Contribution of Manu to the Concept of Social Welfare' organised by Tulasi Women's College, Kendrapara, Odisha. Title of presentation "Manu and Social Welfare."

04.02.2020. Delivered an invited talk at the Cooch Behar College, Cooch Behar. Title of presentation "Utility of Sanskrit in Modern times."

25.02.2020 - 27.02.2020. Presented a Paper at the National Seminar organised by the Centre of Advanced Study in Sanskrit, S. P. Pune University, Pune. Title of presentation "Siddhanjana Bhasya on the Rigveda (1/113)."

### **Academic distinctions gained by Teachers / Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S etc.)**

Prof. Aruna Ranjan Mishra has been elected as Executive Body Member of All Indian Oriental Conference, Nagpur, Maharashtra, 2020. He is also General Secretary, Eastern Indian Oriental Conference, Puri, 2019-20.

### **Publications:**

#### **Books:**

*Pracya-Prajña* (Proceedings of Eastern India Oriental Conference), ed. Arun Ranjan Mishra et al, New Delhi: Pratibha Prakashan, 2019. ISBN- 978-81-7702-448-7.

*Sanskrit Translators' Tryst with Tagore's Imagination and Style.* ed. Arun Ranjan Mishra and Bipasha Das, Delhi : Pratibha Prakashan, 2020. ISBN-978-81-7702-452-4.

#### **Article in Journal/Chapter in Book**

"Instructions of Etiquettes in Visuddhimagga of Buddhaghosa" by Arun Ranjan Mishra in *Sailakanyaka* : Professor Sailabala Senapati Felicitation Volume, ed. Arun Ranjan Mishra and S. Mishra, Kolkata: Centre for Buddhist Studies, pp. 123-133, 2019. ISBN-978-81-86359-77-X.

"Buddhist Spiritual Quest in Bodhicaryavatara of Santideva: A Critical Appreciation" by Arun Ranjan Mishra in *Sailakanyaka: Professor Sailabala Senapati Felicitations Volume*, ed. Arun Ranjan Mishra and S. Mishra, Kolkata: Centre for Buddhist Studies, Visva-Bharati, pp. 105-122, 2019. ISBN-978-81-86359-77-X.

Foreword to *Modern Sanskrit Literature in India : A Bird's Eye View* by Subhrajit Sen, Kolkata: Sanskrit Pustak Bhandar, 2019. ISBN-978-93-87800-50-2

"Sri-Muka-kavi's Visualisation of Kamaksi of Kañci in Anmuka-pañcasati", by Arun Ranjan Mishra in *Vyasasrih* Vol. XV, 2019. ISSN-2320-2025.



## Centre for Comparative Literature

### **Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations:**

(i) Ishani Dutta, Ph.D student (ii) Ankana Bag, M.Phil student

### **Departmental activity**

The Centre for Comparative Literature (CCL), Bhasha Bhavana had been successfully conducting its monthly lecture series Carca till March, 2020. This year the topic of the lecture series is 'History of the Different Disciplines/Departments/Bhavana of Visva-Bharati'. We are now exploring avenues to conduct it online. The students and scholars of CCL had published annual magazine "Tumulayan"( during 'Anandabazar') a significant festival of Santiniketan. CCL has published its E-newsletter - 'CompLitEBarta' at regular intervals during April 2019 and March 2020.

Participation in National and International standard Conference /Seminar /Workshop:

### **Soma Mukherjee**

30.11.2019. Delivered a Lecture in the one-day workshop entitled "Gender Equity and Women Empowerment" organised by IQAC, at Suri Vidyasagar College.

28.01.2020. Delivered a Lecture in the lecture series "Bhasha Vaibhava" organized by Bhasha Bhavana, Visva - Bharati . Title of Presentation: "Language Politics in Kenyan Theatre and Ngugi waThiong'O I Will Marry When I Want."

04.02.2020- 06.02.2020. Presented a paper in an International conference on Canadian Studies entitled "Canada and/in the Global South: Fragmented Identities and New Partnerships" organized by the Centre for Canadian Studies, Jadavpur University, Kolkata. Title of Presentation: "Understanding Literary History through the idea of Migration: A Case Study".

05.02.2020. Chaired an academic session for the three day International Conference entitled "Canada and/ in the Global South: Fragmented Identities and New Identities" organised by the Centre for Canadian Studies, Jadavpur University.

### **Dheeman Bhattacharyya:**

30.11.2019. Delivered a Lecture in the one-day Workshop entitled "Gender Equity and Women Empowerment", organised by IQAC, at Suri Vidyasagar College.

07.01.2020- 09.02.2020: Presented a paper in an International Conference under JU RUSA 2.0 entitled "Digital Humanities and Literary Mapping: Pedagogy and Curricula" organized by the School of Cultural Texts and Records in collaboration with the Department of Comparative Literature, Jadavpur University, Kolkata. Title of Presentation. "De-colonising the Archive: A case study of the digital platforms of the Tejgadh Tribal Academy, Vadodara and Native Earth Performing Arts, Toronto."

04.02.2020- 06.02.2020. Presented a paper in an International Conference entitled "Canada and/in the Global South: Fragmented Identities and New Identities" organized by the Centre for Canadian Studies, Jadavpur University, Kolkata. Title of Presentation. "'Beyond the Pale':

Historicising Ideas of Nationhood and Culturalism in the Global "North and South".

17.02.2020-20.02.2020. Participated as Resource person and Keynote speaker for literary event entitled "Celebrating Indigenous Cultures" organised by St Aloysius College (Autonomous), Mangalore under the aegis of UGC STRIDE.

02.01.2020. Chaired an academic Panel in an International Conference entitled "Digital Humanities and Literary Mapping: Pedagogy and Curricula" organised by JU RUSA 2.0, SCTR JU and the Department of Comparative Literature, Jadavpur University. Title of the panel- 'Text, Performance and Storytelling'.

04.02. 2020: Chaired an academic session for an International Conference entitled "Canada and/ in the Global South: Fragmented Identities and New Identities" organised by the Centre for Canadian Studies, Jadavpur University.

**Nilanjana Bhattacharya:**

06.12.2019. Delivered a Lecture at Seminar entitled "Bhasha Vaibhava". Title of presentation: "Juan Rulfo's Pedro Páramo: A Comparative Literary Reading".

**Ishani Dutta (PhD Student)**

20.08.2019 - 21.08.2019: Participated as Language Resource Person in Workshop entitled "Workshop on Literary Translation Techniques" organized by CENTIL, Jadavpur University, in collaboration with Dev Sahitya Kutir Heritage Foundation, Kolkata.

05.09.2019-07.09.2019. Presented a paper in the National Seminar titled "Darjeeling: In Search of People's History", organized by Department of History, Southfield College, Darjeeling, in association with Indian Council of Historical Research (ICHR). Title of Presentation. "Finding a Gorkha Female Identity: The Poetry of Bindya Subba and Kamala Rai".

21.11.2019-25.11.2019. Participated as translator in seminar-workshop entitled "Translating Bodo Short Stories", organized by The Asiatic Society and the RUSA 2.0 project on 'Redefining Indian Literature: Archiving and Translating Indigenous and Marginalised Traditions, Centre for Translation of Indian Literatures (CENTIL), Jadavpur University, Kolkata in collaboration with the University of East Anglia.

06.01.2020-08.01.2020. Presented a paper in the National Conference entitled "Contextualizing Migration: Perspectives from Literature, Culture and Translation", organized by Department of English, School of Humanities and Social Sciences, GITAM, Hyderabad, in collaboration with Central Institute of Indian Languages, Mysore. Title of Presentation- "The Laments of the Lahures: The Significance of Migration Songs in the Creation of a Distinct Gorkha Identity".

**Ankana Bag (MPhil Student)**

13.09.2019-17.09.2019. Participated in the Japanese Language Teachers' Training Course organized by the Ministry of External Affairs of India and the Embassy of Japan in India with support from the Japan Foundation, Department of Japanese, Visva-Bharati University.

Designing New Course/Curriculum or any other teaching innovations introduced by the Department. Optional Courses for MA students: Literature and New Media, Comics GE- Popular Literature

## **Centre for Endangered Languages (CFEL)**

The education system has encouraged the growth of dominant languages and resulted in marginalization of diverse linguistic communities and enhanced threat perceptions to their languages. To safeguard these languages we need to formulate clear cut plans for the empowerment of these languages and their speakers. This would involve linking languages with literacy and education, with technology and with economic opportunities. 'Structure' of Endangered Languages has developed as a theme of serious research in informed linguistic circles in the last two decades. This is of course of purely linguistic and typological interest. But it is the 'Function' of endangered languages, and their 'Consequences' that have drawn public attention. The publication of UNESCO Atlas shows India at the top with 197 endangered languages. The issue has already reached to the Indian Parliament where the consequences and remedies were thoroughly discussed by the members. Many of our smaller languages, several of which belong to tribal and marginalized communities, are indeed seriously threatened, and steps are to be taken in order to safeguard our most precious linguistic heritage, and document the same. Here lies the genesis of the attempt of the University Grants Commission (UGC) to set up Centres for Endangered Languages (CFEL) in both Central and State Universities.

Centre for Endangered Languages (CFEL) is an independent Research Centre established by Visva-Bharati in 2014 through a major national initiative (worth over Rs. 37 Crores) in nine central universities with Visva-Bharati's CFEL as the nodal Centre. Prof. Udaya Narayana Singh, then Professor of Rabindra Bhavana, Visva-Bharati was appointed by the University as the Chairman of CFEL. Prof. R. Shivkumar from Kala Bhavana, Prof. Rameshwar Prasad Mishra, Hindi Bhavana and Prof. Kailash Pattanaik, Department of Odia have worked as Chairman of the Centre.

### **Objectives of the Centre:**

(a) To undertake inter-departmental and interdisciplinary research related to endangered languages; (b) to undertake fieldwork, research, analysis, archiving and documentation of smaller indigenous/ endangered languages using state-of-the art speech and language technologies, informants those are universally acceptable viz. digital textual, audio and video formats; (c) to produce and publish monographs, grammars, grammatical sketches, dictionaries and lexicon, ethno-linguistic and theoretical descriptions, collection of oral and folk literature and scholarly book on endangered languages; (d) to produce language and dialect atlases with special reference to minority and endangered languages. (e) to organize workshops and seminars aimed towards promoting advanced research related to endangered languages. (f) to train teachers and students from other departments/ centres in Field Linguistics, Lexicography and in techniques for data management and documentation. Field Linguistics should constitute an indispensable part of the centre; (g) to serve the indigenous and endangered language communities by making accessible the products of the research of the Centre i.e. digital and analogue archives of linguistic data, language teaching material, and language artefacts; (h) to promote and foster various domains of endangered languages so as to ensure minority/ endangered language communities in maintaining and preserving language vitality, including the development of orthographical resources like scripts, book of letters primers; (i) to digitize data collected in the course of the research in the Centre and make it available to public by open access.

**Participation in International and National Conferences /Seminars/Workshop/Exhibition:  
Kailash Pattanaik (Chairman, CFEL)**

19.07.2019: Attended "Advisory Committee meeting of the Centre for Endangered Languages", Central University of Karnataka at Bangalore.  
16.08.2019: Presented a paper in the Bhasha-Vaibhav programme in Bhasha-Bhavana, Visva-Bharati. Title of presentation: "Dhanujatra: An Introduction."  
21.08.2019: Attended "Departmental Research Board Committee" meeting of the Department of Folklore, University of Kalyani.  
06.11.2019: Attended "External Advisory committee" meeting of the Centre for Endangered Languages, Central University of Jharkhand at Ranchi.  
10.01.2020: Attended "Selection Committee" Meeting of the G.M. University of Odisha.  
18.01.2020 -19.01.2020: Presided over the Inaugural and Valedictory Sessions of a National Seminar on 'Gandhi and Odia Literature', organized by the Department of Odia, Visva-Bharati in collaboration with Odisha Sahitya Akademi, Bhubaneswar.  
21.02.2020 Aired an interview on "Endangered Languages", by AIR, (FM) Santiniketan on the occasion of International Mother language Day.  
05.03.2020-6.03.2020. Presided over the Inaugural and Valedictory sessions of a National Seminar on 'Discussing the poetry of Gopal Krushna Rath' organized by the Department of Odia, Visva-Bharati in collaboration with Gopal Krushna Foundation, Bhubaneswar.

**Arimardan Kumar Tripathi**

11.12.2019-13.12.2019: Delivered a lecture in a National Conference on Language Pedagogy at Regional Institute of Education, Ajmer. Title of presentation: "Information Technique, Market and Struggle of Multilingualism."  
13.12.2019: Chaired a session on "Language Communication and Development" in National Conference on Language Pedagogy at Regional Institute of Education, Ajmer.  
12.02.2020-13.02.2020: Delivered a Lecture in National Seminar entitled "Documentation of Lesser-Known Languages: Deliberation and Medium at Central Institute of Indian Languages, Mysore" jointly organized by Central Hindi Institute, Agra. Title of presentation: "Language Documentation and Reference of Devanagari Script."  
28.02.2020: Participated as member (alumni) in the "31st Meeting of Academic Council" of MGAHV, Wardha. MH.

**Extension activities /NSS/Cultural and other activities organized by the department and Participated by the Teacher and students of the Department:**

July-August 2019 (16 days) - Field work on Koda Community.  
August-September 2019 (21 days) - Field work on Mahali Community.  
January 2020 (16 days) - Field work Mahali, Lodha, Kurmali, Mundari & Kora Community.  
May 2019(2 days) - Meeting with UGC Review Committee at CFEL, Visva-Bharati.  
December 2019 - Kristen Tcherneshoff (Helsinki, Finland) and Daniel Bogre Udell (New York City, United States) from Wikitongue visited the Centre and discussed the points of collaborative works between Wikitongue and CFEL, Visva-Bharati especially in the field of video documentation of marginal linguistic communities of India. They also visited to nearer tribal community in Prantik and their education practices.  
December 2019 - Centre organized Exhibition in Poush Mela based on its activities.  
January 2020 - A meeting was organized with software development team to develop the portal

and app of the Centre.

February 2020 (7 days) - Workshop organized with Koda people for lexicon development.

February 2020 - A meeting was organized with software development team to develop the portal and app of the Centre.

March, 2020- A meeting with organized with software development team to develop the portal and app of the Centre.

March 2020- Centre observed Gandhi Punyaha.

### **Academic distinctions gained by Teacher/ Scholars or the Department as a whole (Like Recognition as D.S.A. or C.A.S. etc.)**

Prof. Kailash Pattanaik (Chairperson, CFEL) awarded by Surendra Gabeshana Akademi, Chandol by Odisha for Continuous Research.

### **Publications:**

#### **Books**

*Bhaashaa evam d'ijit'ala Lokatantra* (Language and Digital Democracy), by Arimardan Kumar Tripathi, New Delhi: Today & Tomorrow's Printer and Publishers, ISBN: 9788170196464.

Articles in Journals

"Deta ke pravaah mein bahatee nijata ek bada sankat hai (Flowing privacy in the flow of data is a major crisis)", by Arimardan Kumar Tripathi, *Vagarth*, Vol-292, Kolkata ISSN: 2394-17.

### **Future Plan of the Centre:**

Conducting intensive field work for language and cultural documentation in West Bengal, Tripura, Orrisa, Jharkhand & Bihar.

Productizing language descriptions, map, tools, reports, primer and other resources.

Research and Development of NLP focused on marginal languages.

Video documentation and documentary production.

Linguistic data validation from language experts.

Community based workshops and socio-cultural reporting.

To develop a language endangerment alarm to sensitize the society and speech communities.

Studies on socio-economic status of marginal linguistic communities.

Workshops with representatives of communities.

Uploading Apps on various platforms for free download.

### **Long term Plan**

To setup a full-fledged interdisciplinary centre for marginal languages and cultural study.

To set up a National Folklore Museum and online archive for the same.

To develop academics and introduce various level of courses.

To preserve linguistic and cultural diversity of country.

To assist in policy making for country and states.

To develop various NLP systems for marginal languages or pairs.

To explore Digital India in regional languages.

To setup an online Language Information Hub for regional languages.

To develop language learning tools and language games for cross linguistic communities etc.

## **VIDYA BHAVANA**

(Institute of Humanities & Social Sciences)

Vidya-Bhavana is the keystone of Gurudev Rabindranath Tagore's concept of Visva-Bharati as a centre of higher learning. It started out as Uttar-Vibhaga, The Department of Advanced Studies, in July 1919. After Visva Bharati formally came into existence in 1921, it was renamed Vidya-Bhavana - the Institute of Higher Studies and Research in 1925. Adhyapaka Vidhusekhar Sastri, - the great philosopher and Sanskrit scholar who selected the motto of Visva-Bharati, yatra visvam bhabatyekaniram - was the first Adhyaksha (Principal).

Vidya-Bhavana is now the Institute of Humanities and Social Science - a major faculty of the University with several departments functioning under it - Ancient Indian History Culture & Archaeology, Anthropology, Center for Journalism & Mass Communication, Center for Women's Studies, Economics and Politics, Education (as a field of Social Science) History, Geography, and Philosophy & Comparative Religion.

Vidya-Bhavana has been successful in attracting a significant number of foreign students not merely from the SAARC nations but all over Asia, Europe and beyond.

Most departments of Vidya-Bhavana offer courses at the Bachelors, Masters, M. Phil. and Doctoral levels. The faculty members and scholars of the departments publish widely in national and international Journals and teach, research and attend conferences and workshops in many Universities in India and abroad. A substantial number have obtained prestigious fellowships and successfully completed projects funded by national and foreign institutions. Students and scholars of the Bhavana have been placed in prestigious institutions all across the country and beyond.

## **Department of Ancient Indian History Culture and Archaeology**

The Department of Ancient Indian History Culture and Archaeology is a direct descendent of Indological studies that were initiated at Santiniketan, with the blessing of Rabindranath, and undertaken by pundits Kshitimohan Sen and Vidhusekhara Sastri in the early 1900s, to be precise 1907 onwards, even when the idea of Visva-Bharati had not had its germination in the mind of the Poet.

The Visva-Bharati of Rabindranath was confined in as a central university in 1951. As many of the dreams of the Poet were lost in the quagmire of central university, the school of Ideology was also lost, leaving its fragments as Departments of Ancient Indian History and Culture, Modern Indian History, Arabic, Persian, Urdu and Islamic Studies, Sanskrit, Pali and Prakrit, Chinese Language and Culture and Indo-Tibetan Studies.

The Department of Ancient Indian History and Culture, which was named in 1951, has been re-christened in 1977, with the introduction of Archaeology as a component of course structure, as the nomenclature now stands.

The Department offers graduate courses in semester system in the three-years six semesters Honours Level at B.A. and the two years Four Semester Course in M.A. in Ancient Indian History Culture and Archaeology. It also offers a one year Causal Course in Ancient Indian History Culture and Archaeology to the foreign students desirous of knowing basics of Indian civilisational ethos. In addition to the said course, the Department undertakes M.Phil. two years course and Applied and Field research oriented Ph.D. Level programmes in Ancient Indian History Culture and Archaeology.

**Future Plans:** The department of AIHC & A plans to initiate training programmes in various aspects of archaeology in the next academic year. Excavation programme in Lalpahari will be continued even in the next year. We will upgrade our ICT facilities in each classroom. The new museum cum archaeology lab will be upgraded with new collections and equipments. We will invite scholars in different specialized fields of Ancient Indian History and archaeology for occasional lectures for the benefit of the students and exchange of ideas among the faculties.

The Department conducted excavation in collaboration with Bihar Heritage Development Society, Dept. of Art, Culture and Youth Affairs, Govt. of Bihar, at Lalpahari, Lakhisarai, Bihar. Excavation season 2019-20 was the third consecutive year of excavation and this year monastic sealing was discovered which reads as "rimaddharmavih?ra: ?ryabhik?usa?ghasya. The First Excavated Hilltop Buddhist Monastery of Ganga Valley. The two burnt clay sealings recovered from the site records the name ?r?maddharmah?vih?rik ?ryabhik?usa?ghasya. This may be translated as '[This is the sealing] of the council of monks of ?r?maddhama vih?ra (monastery)'. The language of the record is Sanskrit and the script is Siddham?t?k? of about 8 th/9th century CE. This discovery is of paramount significance in the understanding of the history of monastic Buddhism in early medieval Magadha in general and the history of the historically identified K?mil? region in Lakhisarai in southern Bihar in particular. This evidence clearly proves that the monastery atop Lalpahari in Jaynagar was a 'vih?ra' category of monastic evidence. While a number of mah?vih?ras and in one

instance a vihara is known from epigraphic and archaeological records of eastern India, no evidence of a 'vihara'-level monastic architecture has been so far discovered from any part of Bihar. The only parallel evidence is provided by a monastery excavated at Jagjivanpur in northern Bengal. The uniqueness of this discovery is that firstly it is the first hilltop monastic site excavated in Ganga valley. Further, architectural features like well-preserved interconnected cells, remnants of wooden doorframes, existence of three robust and huge bastions on each side of the monastery, discovery of dozens of wooden inscribed seals/sealings, and finally, the evidence of application of red, green, yellow, white and black colours on lime-plastered floors makes the architecture of this monastery the first of its kind on the map of eastern Indian Buddhist establishments. The name 'Srimaddharmavihara' is of equally considerable significance. While we have so far no evidence of this specific name occurring in any other epigraphic or transmitted text of the region, the name clearly indicates prestige Mahayana Buddhism enjoyed in early medieval Magadha. The name probably also signifies a close association of the monastery with Mahayana esoteric practices, as also vindicated by its very location, atop an isolated hill away from the habitation clusters of Kaimur.

Department is conducting excavation in collaboration with Bihar Heritage Development Society, Dept. of Art, Culture and Youth Affairs, Govt. of Bihar, at Lalpahari, Lakhisarai, Bihar. Excavation season 2019-20 was the third consecutive year of excavation and this year monastic sealing was discovered which reads as "Srimaddharmavihara: aryabhikshusanghasya. The First Excavated Hilltop Buddhist Monastery of Ganga Valley.

**Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.**

Saradindu Sahu	(UGC NET/JRF)
Rahul Nag	(UGC NET/JRF)
Ishan Harit	(UGC NET/JRF)
Palash Kumar Saha	(NET)
Tania Pal	(NET)

**Only National and International standard Conference /Seminar /Workshop / Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars.**

**Sarita Khettry (International Conference)**

24.01.2020-26.01.2020: Delivered lecture on as a sectional President of "Ancient India section" organized by the Paschim Banga Itihas Samsad at Bramhananda Keshav Chandra, Banhoogly. Title of presentation: 'Lay Buddhism in the North-West through the lens of epigraphy' (c. 3rd century BCE-3rd century CE).

**K. Mavali Rajan**

28.12.2019 - 30.12.2019: Attended and presented a research paper in "80<sup>th</sup> Session on: Ancient India at the of the "Indian History Congress" organized by Department of History, Kannur University, Kerala. Title of presentation: "Ritual Servants of the Temples: Gleaning from Epigraphic Records of the Chola Period".

31.01.2020 - 02.02.2020: Participated and presented a research paper in Session on: "Social History Session at the 40<sup>th</sup> Annual Session of the South Indian History Congress", organized by History



Wing, DDE & Department of History, Annamalai University, Chidambaram, Tamil Nadu. Title of presentation: "Temple and Artisan Communities in Medieval Tamil Country".

#### **Invited Lecture Delivered as a Resource Person:**

##### **K. Mavali Rajan**

03.05.2019: Delivered a special lecture for the P.G Students & Research Scholars of the Department of Indian Languages, Faculty of Arts, Banaras Hindu University, Varanasi. Title of presentation: "Recent Developments in Historical Methods".

##### **Bina Gandhi Deori**

October, 2019: Presented paper on "The Apateni Valley of Arunachal Pradesh" at the Nature Culture Linkages in Heritage Conservation in the university Tsukuba, Japan.

##### **Suchira Roychoudhury**

##### **As Resource Person**

May, 2019: Delivered two lectures on "Neolithic and Chalcolithic Ceramics of Eastern India" in Centre for Archaeological Studies and Training, Eastern India for the course An Introduction to Archaeological Ceramics.

#### **Ongoing Research Projects in the Department**

Name of the Teacher: Prof. Anil Kumar

Name of the Project: Lakhisarai Excavation

Sponsoring Agencies: Bihar Heritage Development Society, Dept. of Art, Culture and Youth Affairs, Govt. of Bihar

Amount Sanctioned: Rs. 15 Lakhs (INR)

Name of the Teacher: Dr. Bina Gandhi Deori

Name of the Project: Paddy and Agrarian Ritual Festivals of the Galos of Arunachal Pradesh

Sponsoring Agencies: IGNCA, New Delhi

Amount Sanctioned: Rs. 7 Lakhs (INR)

#### **Publications within the year April 2019- March 2020**

(i) Text books (ii) Other books (iii) Monographs (iv) Research Papers. (Author(s), title of Paper, year Journal volume No., Pages), (v) Number of paper published in Peer/reviewed journals : To be entered as:

#### **Departmental Publication:**

Individual Publication: a) Single author b) Joint authors (of the same Department)

#### **Publications:**

##### **Sarita Khettry**

Chapter on "Buddhism", History of Bangladesh, Early Bengal in Regional Perspectives (up to c.1200 A.D.), Vol. II, Editors Abdul Momin Chowdhury, Ranabir Chakravarti, Dhaka, Bangladesh. 2019.

##### **Anil Kumar**

"The Excavated Remains of a Buddhist Nunnery The (Matha) at Lal Pahari (Jainagar), District

Lakhisarai, Bihar: 2017-18", *Bharati, Bulletin of Dept. of AIHC and Archaeology, Banaras Hindu University, Varanasi*, April 2019, Vol.42, pp. 107-131. ISBN -0523-1302.

Book Review Article on "Archaeological Gazetteers of Districts Nalanda, Vaishali, Samastipur, Kaimur and Gaya", *Bharati, Bulletin of Dept. of AIHC and Archaeology, Banaras Hindu University, Varanasi*, April 2019, Vol.42, pp- 451-455. ISBN -0523-1302.

"Krimila": A Forgotten Nagar of Early Medieval Eastern India", Number 96, *History and Society*, Occasional Papers Series, Nehru Memorial Museum, New Delhi Sept 2019.

### **K. Mavali Rajan**

#### **Chapter in Book:**

"Multi-Faceted Role of Temples in Medieval South India", in *Rahul Kumar Mohanta (ed.), Redefining India, Kumud Publications*, Delhi, 2019, pp.84-104 (ISBN No.978-93-82885-59-7).

Published Articles in Refereed Journal:

"Pandaiya Thamilakattil Adimai Murai", with co-author, *Journal of Classical Thamizh (A Quarterly International Multilateral Tamizh Journal)*, Vol.7, No.3, July-September 2019, pp.48-55 (ISSN No. 2321-0737).

#### **Published Articles in Conference Proceedings:**

"Patronage of Buddhism in Tamil Nadu (6th -12th Century CE)", *South Indian History Congress Thirty Ninth Annual Session Proceedings*, Organized by Department of History, Osmania University, Hyderabad on 08-10 February 2019, pp.682-687 (ISSN No. 2229-3671).

## Department of Anthropology

### Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations

Mrs. Maitrayee Mitra UGC-NET

### Publications within the year April 2019, March 2020

b) Joint authors (of the same Department)

#### Arnab Ghosh

"Factor analyses of metabolic syndrome: A systematic review with special reference to Asian Indians." Co-author: Maitrayee Mitra, *Diabetes Metab Syn Clin Res Rev*, Vol. 14, no. 4, pp. 697-05. ISSN: 1871-4021.

"Psychometric validation of nutrition knowledge questionnaire among parents of 3-6-year-old Asian Indian children in East Barddhaman district, West Bengal, India.", Co-author: *Nilita Das. Indian J Community Med*, Vol. 45, no. 2, pp. 130-34. ISSN: 0970-0218.

"Cardiometabolic risk factors and pregnancy outcome: A systematic review" Co-author- Maitrayee Mitra, *J Cardiovasc Dis Res*, Vol. 10, no. 3, pp. 87-93. ISSN: 0975-3583.

#### Jyoti Ratan Ghosh

"Nutritional status and body composition .... patients." Co-author: Priyanka Dutta. *Journal of Anthropology*, Vol. 16, no.1 , pp. 131-39.

## **Department of Economics and Politics**

The Department of Economics & Politics began its journey as a separate department in 1953 under Siksha-Bhavana (Institute of Science). Later it came under VidyaBhavana (Institute of Social Sciences) and the first batch of postgraduate students came out in 1958 and the first Ph.D was awarded in 1969. Currently the Department is placed in the building 'Vidya-BhavanaAngana'.

From the very outset the department focused on empirical research in the area of agriculture and rural development. The faculty of the department distinguished themselves in research on areas including land tenure, farm management, agrarian productivity and rural poverty. Much of this research was carried out in collaboration with the well-known Indian and international economists, as well as with other departments/ centres of Visva-Bharati like Agro-Economic Research Centre, Santiniketan and has won recognition in India and abroad.

While the principal focus remained the same throughout, the research interests of the department gradually broadened to include the areas of planning, economic development in general, participatory rural development, macroeconomics, international trade, political economy and environment-resource economics.

Many of the faculty members and research scholars are engaged in research work in such varied fields as: international trade, industrial organization, growth economics, economics of corruption, issues in economic thought, impact of globalization on Indian agriculture, fisheries, small scale industry, Panchayati Raj System, micro-credit, insurance, development induced displacement and so on. Faculty members have also obtained fellowships offered by government and non-government agencies for undertaking research in foreign universities and institutions. They have also taught and worked in well-known national and international institutions and published widely in reputed journals in India and abroad. They have attended various national and international conferences, workshops and faculty developments programmes. Students who have passed out of the Department are placed in different prestigious national and international institutions. In addition to obtaining teaching and research positions in universities, colleges and research institutes in India and abroad, they have been offered positions in reputed economic and financial institutions like the RBI, NABARD etc.

The UGC awarded the Department financial assistance at the level of DRS-1 for five years from 1.4.2009 to 31.03.2014 under the Special Assistance Programme (SAP). The thrust area of UGC (DRS-I) was Agriculture, Environment and Rural Development. The department completed DRS-I with grand success and as a result the UGC has sanctioned more than one crore of rupees for DRS - II. Eminent scholars from India and abroad have visited the department under these programmes. The department arranged one international and four national seminar during SAP (DRS-I). Under this programme the Department has procured modern equipments which are expected to generate impetus for upgrading the standard of teaching and research. The SAP (DRS-I) had been able to extend financial and infrastructural assistance to faculty members, research scholars and student to carry out new research in thrust area. As an outcome of this assistance SAP (DRS-I) has been able to publish several volumes and a series of Working Papers which are available at the University website. New faculty members who have joined the department have added to this impetus to a great extent.

As it has already been mentioned, because of successful implementation of DRS - I, the department has been sanctioned more than 1 crore of rupees under DRS - II, it is successfully running from 1st April, 2015 under the new programme coordinator Prof. Apurba Kumar Chattopadhyay, who has taken charge of this SAP - DRS II from 2016. Our SAP programme has become very vibrant and as a result, various events take place all through the year. Several illuminaries in the field of Economics visit us in different programmes like the Research Methodology Workshop, International and national Seminars and conferences, Research Scholars' Workshop and Econ-Visva, a very unique and one of its kind programme for the Masters' students of Social sciences in India.

The Department has also adopted various new plans of diversifying academic activities. It has vision to take up action research as well as interdisciplinary research in collaboration of other Visva-Bharati departments as well as institutions outside the Visva-Bharati. Particularly the department is keen to strengthen its ongoing collaborative work with Agro Economic Research Centre and PalliCharcha Kendra. Also it would like to establish collaborative research with Social Work and Agriculture, Santiniketan. Department has an aim to publish a journal with the focus on its ongoing research. With the formation of Academic Staff College in Visva-Bharati, our department aims to introduce refresher course in Economics. The Department also aims to organize workshop to train young scholars of Visva-Bharati and other academic institution. The placement cell should be revived in the interest of students of the department.

However, scarcity of space is one of the most important problems that this Department is presently facing. This is compounded by the poor state of the building that houses the Department. The poor and often defunct internet connectivity, lack of cooling system in the meeting room and seminar library, particularly during summer season due to non-availability of air conditioning facility needs immediate attention from the authorities. As the Department has been promoted to DRS-II stage of SAP, we expect more infrastructural facilities and space to be provided to it from the appropriate authority.

#### **Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.**

Susnata Ganguly (NET qualified in December 2019) (Research Scholar, Visva-Bharati)

#### **Departmental Seminar (Speakers, Title of the Seminar, Date)**

Sl.	Date	Name of the speaker	Topic
1	12 <sup>th</sup> July, 2019	Uday Bhanu Sinha, Professor, Delhi School of Economics	Trade, FDI and Collusion

#### **National and International standard Conference /Seminar /Workshop / Exhibition etc.**

Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

21.09.2019- 30.09.2019: Ten Days Methodology Workshop on Development Policy Research organized by Department of Economics and Politics, Vidya-Bhavana, Visva-Bharati (under UGC-SAP (DRS-II)).

All the teachers took part in this important workshop. The resource persons were the following:

Dr. Subrata Mukherjee [Institute of Development Studies (IDSK), Kolkata], Dr. Santadas Ghosh(Visva-Bharati), Dr. Soumyadip Chattopadhyay(Visva-Bharati), Dr. Amit K. Biswas (Visva-Bharati), Prof. SudiptaBhattachyaya (Visva-Bharati), Prof. Gopa Samanta (BurdwanUniversity), Prof. Arup Mitra, (South Asian University), Dr. AtigGhosh(Visva-Bharati), Dr. Maidul Islam [The Centre for Studies in Social Sciences, Kolkata (CSSS)] Dr. Biswajit Mandal (Visva-Bharati), Prof. Achin Chakraborty(IDSK), Prof. Saibal Kar(CSSS), Prof. Sugata Marjit, CSSS.

03.02.2020- 04.02.2020: UGC-SAP (DRS-II) sponsored International Conference on "Development Policy Research" organized by Department of Economics & Politics, Visva-Bharati (under UGC-SAP (DRS-II)).

The distinguished guests and invited speakers were:

Professor Bidyut Chakrabarty (Vice Chancellor, Visva-Bharati)

Professor Ashwini Deshpande (Ashoka University, New Delhi)

Professor Anup Sinha (Chairperson, Bandhan Bank and Retd. Professor, IIM, Kolkata)

Professor R.S. Deshpande, Visiting Professor, ISEC, Bengaluru

Professor Mihir Kumar Roy, Dean, Faculty of Business Administration, City University, Dhaka

Professor Reetika Khera, IIM, Ahmedabad.

All the teachers took part in this important workshop. Some of them chaired the sessions and acted as resource persons.

### **Saumya Chakrabarti**

September 2019: Panelist "Globalisation and Indian agriculture", St. Xavier's college Kolkata

### **Santadas Ghosh**

21.09.2019- 30.09.2019: Delivered a set of lectures as a resource person in the national level "Methodology Workshop on Development Policy Research" organized by the Department of Economics & Politics; Visva-Bharati; Santiniketan and sponsored by UGC-SAP (DRS-II) during. Title of presentation: "Sample Design and Questionnaire".

16.10.2019: Participated in the National Consultation Meet as 'Member of Bioeconomy Component' of the 'National Mission on Biodiversity and Human Well-being' in Indira Paryavaran Bhawan, New Delhi, organized by MoEF (GoI) .

06.11.2019- 08.11.2019: Co-Chaired a Technical Session titled "Ecosystem Services, Resource Dependency and Disaster Recovery" in the Tenth Biennial International Conference of Indian Society for Ecological Economics (INSEE) held at Centre for Economic & Social Studies (CESS), Hyderabad, Telangana.

03.02.2020- 04.02.2020: Chaired a session in the International Conference on "Development Policy Research" organized by the Department of Economics & Politics; Visva-Bharati; Santiniketan and sponsored by UGC-SAP (DRS-II) .

### **Biswajit Mondal**

12.12.2019 - 13.12.2019: Panelist "Debating the Global Resurgence of Protectionism", CSSSC and The ERC, ICSSR, Kolkata, India.

**Amit Kumar Biswas.**

20.05.2019: Delivered an invited lecture at Department of International Economics, University of Bonn. Title of presentation: "Informal Transactions, Falsified Trade and FDI Values & Unofficial Capital Movements: The USA - India Case".

07.06.2019: Delivered an invited lecture at Department of International Economics, University of Bonn. Title of presentation: "Trade Mis-reporting, FDI Mismatch and Hidden Capital Movements: The USA - China Case"

24.06.2019: Delivered an invited lecture at Department of International Economics, University of Bonn. Title of presentation: "Trade Mis-invoicing & Hidden Capital Movements: The Case of India and the USA"

03.02.2020- 04.02.2020: Chaired a session on "Trade and development" in the Annual SAP Conference organized by Department of Economics and Politics, Vidya-Bhavana, Visva-Bharati.

**Soumyadip Chattopadhyay**

23.09.2019: Participated as Resource Person and delivered a lecture in the Ten Days Methodology Workshop on Development Policy Research (September 21 - 30, 2019) organized by the Department of Economics and Politics, Visva Bharati (under UGC-SAP DRS (II)). Title of presentation: "Regression Analysis by Examples (using E views)"

**Anamika Moktan**

08.11.2019- 09.11.2019: Presented a paper titled at the 23rd Annual Conference of Indian Political Economy Association, Dept. of Economics Punjabi University, Patiala, Punjab. Title of presentation: "Another Dualism: Quality of Employment in India".

26.12.2019-27.12.2019: Presented a paper at the 3rd International Conference on "Issues in Economic Theory and Policy", Dept. of Economics, Presidency University, West Bengal; Title of presentation: "Another Dualism: Quality of Employment in India".

**Participation in National/ International Conferences/ Seminars/ Workshops by the Research Scholars:**

06.11.2019- 08.11.2019: Sreejit Roy (Ph.D. Research Scholar) has participated and presented a paper in the International Conference on "Climate Change and Disasters: Challenges, Opportunities and Responses", organized by the Indian Society for Ecological Economics (INSEE) and Centre for Economic and Social Studies (CESS) in Hyderabad. Title of presentation: "Reducing Ecological Stress through Subsidized Rice: Findings from Sundarban Delta"

06.11.2019- 08.11.2019: Saptarsi Chakraborty (Ph.D. Research Scholar) has participated and presented a paper in the International Conference on "Climate Change and Disasters: Challenges, Opportunities and Responses", organized by the Indian Society for Ecological Economics (INSEE) and Centre for Economic and Social Studies (CESS) in Hyderabad during 6-8 November, 2019. Title of presentation: "Interventions for Sustainable Fishing in Sundarban: A Scoping Analysis".

06.11.2019- 08.11.2019: Tapas Kumar Sutradhar (Ph.D. Research Scholar) has participated and presented a paper in the International Conference on "Climate Change and Disasters: Challenges, Opportunities and Responses", organized by the Indian Society for Ecological Economics (INSEE) and Centre for Economic and Social Studies (CESS) in Hyderabad during 6-8 November, 2019.

Title of presentation: "Conserving Mangroves in Sundarban through Clean Cooking Fuel: Field Evidences".

06.11.2019- 08.11.2019: Deena Gurung (M.Phil. Research Scholar) has participated and presented a paper in the International Conference on "Climate Change and Disasters: Challenges, Opportunities and Responses", organized by the Indian Society for Ecological Economics (INSEE) and Centre for Economic and Social Studies (CESS) in Hyderabad during 6-8 November, 2019. Title of presentation: "Change in Climate, Cropping Pattern and Food Sovereignty in Eastern Himalayan Hills".

06.11.2019- 08.11.2019: Bickey Sharma (M.Phil. Research Scholar) has participated and presented a paper in the International Conference on "Climate Change and Disasters: Challenges, Opportunities and Responses", organized by the Indian Society for Ecological Economics (INSEE) and Centre for Economic and Social Studies (CESS) in Hyderabad during 6-8 November, 2019. Title of presentation: "Clean Energy at the cost of Food? Effect of Hydro-Electric Projects on Local Agriculture in Sikkim".

### **Ongoing Research Projects in the Department**

Name of the Teacher : Saumya Chakrabarti  
Name of the project : Informal Sector: Progression or Persistence?  
A Study of Four Traditional Clusters of West Bengal, India  
Sponsoring Agency : UGC, SAP (DRS-II)  
Amount Sanctioned : Rs. 86,000/-

Name of the Teacher : Amit Kumar Biswas  
Name of the project : Trade Data Fabrication and Possible Capital Flight: Experiences from India  
and other Developing Countries  
Sponsoring Agency : Ministry of Education and Research, Government of Germany  
(Sponsored by the Alexande von Humboldt Foundation)  
Amount Sanctioned Euro 55,000

Soumyadip Chattopadhyay Served as a Consultant (for Data Analysis and Report Writing) for the project, "Assessment of the Functioning and Socio-Economic Changes of the Members of the Water Users Association (WUA)" at Institute of Rural management Anand (IRMA) (Project sponsored by the Government of West Bengal and the World Bank).

### **Extension activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department.**

The Students of B.A (Hons) organized a Model Economic Forum on Water Crisis in India on 8th November, 2019. Professor Kalyan Rudra, Chairman, Pollution Control Board, Government of West Bengal inaugurated the session. Dr. Nilanjan Ghosh, Director, Observer Research Foundation, Kolkata and Professor Shibani Chowdhury, Department of Environmental Studies, Visva-Bharati delivered the Keynote lectures.

### **Publications within the year April 2019- March 2020**

i) Text books ii) Other books iii) Monographs iv) Research Papers. (Author(s), title of Paper, year



Journal volume No., Pages), v) Number of paper published in Peer/reviewed journals :

**To be entered as:**

1. Departmental Publication:
2. Individual Publication:a) Single author b) Joint authors(of the same Department)

**Madhusudan Ghosh**

"Climate-smart Agriculture, Productivity and Food Security in India", *Journal of Development Policy and Practice*, 4(2), 2019, pp. 166-187.

**Apurba Kumar Chattopadhyay**

"Water Resource Management of the Damodar Valley Corporation: Tail-end Deprivation of the Canal Network" Co-author: Raj Kumar Kundu, *Economic and political weekly*. pp55 (12): 46-53. March, 21, 2020.

**Saumya Chakrabarti**

**Book chapter**

"Informal sector: progression or persistence?" Co-authors: Abhik Mukherjee, Nirupam Saha, Pratip Kumar Datta, In Simanti Bandyopadhyay and Mousumi Dutta (editor) *Opportunities and Challenges in Development*, Springer 2019, Pages 117-148.

**Papers in Journals**

"Problems of financing development management." Co-author: Pratip Kumar Datta, *Review of Radical Political Economics*, Vol 51, No 3, 2019.

**Biswajit Mondal**

**Book Chapter**

"Time Zone Differences and Service Trade" Co-author: Alaka Shree Prasad. in D. Maiti, F. Castellacci and A. Melchior edited *Digitalisation and Development*, Springer Nature, 2020.

**Papers in Journals**

"Bureaucratic efficiency, economic reform and informal sector". Co-author: S. Ghosh, *Eurasian Economic Review*, 9(2), 121-137, June, 2019.

"Time Zone Difference, Skill Formation and Corrupt Informal Sector: The Role of Virtual Trade" Co-author: A. S. Prasad, *Indian Economic Review* 54(2), December, 2019.

"Seeking Rent in the Informal sector", Co-authors: S. Kar, S. Marjit and V. Mukherjee, *Annals of Public and Cooperative Economics* 91 (1), 2020.

**Soumyadip Chattopadhyay**

**Book Chapter**

"Dreaming the Asian Economic Community and Beyond: Current Status, Reform Options and Possible Lessons in "Globalisation and Development: Perspectives and Policies" Co-editors: A Acharyya, and A K Chattopadhyay (eds), Gyan Publishing House, New Delhi, pp. 57-78, 2019.

**Papers in Journals**

"Understanding Peoples' Participation in Urban Local Government in West Bengal", in "Development In Practice" Co-author: Maumita Das. *Routledge Publication/Taylor & Francis Gro"u*, Vol 30 (1), pp. 68-79. 2020.

"An Analysis of Households' Access to Toilet Facility in Rural Birbhum and it's Implications for

Public Policy" coauthored with Subhasish Das and Raktimava Bos. *The Journal of Institute of Public Enterprise*, Jan-June, Vol 42, No 1&2, pp. 28 - 46 .2019

### **Achiransu Acharyya**

#### **Edited Book**

"Globalisation and Development: Perspectives and Policies" edited by co-editors Soumyadip Chattopadhyay and Apurba Kumar Chattopadhyay, pp. 125-154, Gyan Publishing House, New Delhi, 2019.

#### **Book Chapters**

"Groundwater Pricing and Groundwater Markets" in *Groundwater Development and Management* edited by Pradip K. Sikdar, pp. 471-488, Springer International Publishing, Switzerland, 2019.

"IoT and Big Data Analytics in Agriculture: A Review of Theory and Practice" in *Digital India for Agricultural and Rural Development: Scope and Limitations* edited by Kamal R. Gupta and V.B. Angadi, , Gaurang Publishing Globalize Private Limited, Mumbai, India. pp. 70-99.

"Globalization and Sustainable Agriculture in India" in *Globalisation and Development: Perspectives and Policies* co-edited by Soumyadip Chattopadhyay and Apurba Kumar Chattopadhyay, pp. 125-154, Gyan Publishing House, New Delhi, 2019.

#### **Papers in Journals**

"Application of Game Theory in Water Resource Management", *Indian Groundwater*, 13 (1), 20-36, July 2019.

### **Anamika Muktan**

"Increasing Inequality in the Quality of employment in India: An analysis across states and rural-urban location", in *Gender and Development: Aspects of Social and Economic Change*, eds. Professor Pranab K Chattopadhyay and Daya Shankar Kushwaha, New Delhi Publisher, 2019.978-93-85503.

### **Priyabrata Dutta**

"*Efficiency Wage, Unemployment and Tourism Development: A Theoretical Analysis*" Co-author: M. R. Gupta (2019), *Indian Growth and Development Review (Emerald Insight)*, ISSN No. 1753-8254, 12, 333-349.

"*International Tourism in a North-South Model: A Theoretical Analysis*". Co-author : M. R. Gupta (2019), *Foreign Trade Review (Sage Publications India)*, ISSN No. 0015-7325 (Print), 54, 91-114.

### **Designing New Course/Curriculum or any other teaching innovations introduced by the Department.**

During April 2017 - March 2018, we had lengthy and detailed deliberation among the faculty members and the external members of the BoS and finally, following the UGC guideline, we have restructured both the UG and PG syllabus and the new syllabus has already been implemented. We have also proposed to make every classroom of our department a smart classroom. We have already transformed the seminar hall into a smart (class) room. We have also introduced the CBCS courses.

**Other relevant information:****Soumyadip Chattopadhyay****Editorial Services:**

Serving as an Associate Editor of International Journal of Rural Management (Sage Publications)

Short Articles:

Analysis - "Not Such A Smart Move After All" in The Pioneer, 13th March 2020 (Co-authored with A Kumar) (Weblink: <https://www.dailypioneer.com/2020/columnists/not-such-a-smart-move-after-all.html>)

"Smart City Making in India: Union Budget 2020 and the Way Forward" (Co-authored with A Kumar) in Observer Research Foundation (Urban Future), 4th March 2020, (Weblink: <https://www.orfonline.org/expert-speak/smart-city-making-in-india-union-budget-2020-and-the-way-forward-61933/>)

"Tapping the Revenue Potential of Property Tax in India" (Co-authored with A Kumar) in Ideas for India (An Economics and Policy Portal of the International Growth Centre (directed by the London School of Economics, University of Oxford and Tata Centre for Development at the University of Chicago), 23rd October 2019, (Weblink: <https://www.ideasforindia.in/topics/macroeconomics/tapping-the-revenue-potential-of-property-tax-in-india.html>)

Analysis - "How to Tap Property Tax Potential" in The Pioneer, 31st August 2019 (Co-authored with A Kumar) (Weblink: <https://www.dailypioneer.com/2019/columnists/how-to-tap-property-tax-potential.html#>)

Priyabrata Dutta: Successfully completed Swayam Arpit online Refresher course in Economics for Career Advancement Scheme (CAS)

## Department of Geography

The Department of Geography was established in the late sixties (1968) with only 3 years undergraduate honours course. Subsequently the two year post-graduate course was introduced in 1978 with a total capacity of approx. 50 students in each year. Both the UG and PG courses contain 800 marks in B.A. and 1200 marks in M.A. Besides, the department also conducts researches leading to Ph.D. degree since late eighties. At present 45 research scholars are pursuing their research programme for Ph.D. degree. 26 scholars are holding the UGC-NET (JRF & SRF) position. The department has started CBCS course in undergraduate level following UGC guidelines and the courses on 'Disaster Management' and 'Climate Change' have introduced as Generic Elective in UG level.

Keeping in mind the present developmental trends in Geography, the department in recent years has paid attention particularly to the following thrust areas of the subject like water resources management, landscape ecology, population & settlement, infrastructures development, Urban & regional planning and development etc along with the existing course curriculum. The department also feels that the installation of modern systems are required for collecting, processing and displaying the spatial and non-spatial data and to meet this demand an Advanced PG diploma Course in Geo-informatics will be installed to provide trained manpower.

### **Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examination:**

**UGC (NET) - 26                      SET                      -                      02**

### **Conference/Seminar/Workshop/Exhibition etc attended by Teacher/Research scholars in details.**

#### **Malay Mukhopadhyay**

13.02.2020- 15.02.2020: Delivered an Invited lecture in International Conference on "Planning Sustainable Regions: The Social-Economic-Ecological Triad". organized by Amity University, Kolkata,

Deliver lecture as Chairperson in Technical Session II (Social Planning and Sustainability)

31.01.2020-01.02.2020: Delivered an Invited lecture in National Seminar on "Future trends in Geography Study" organised by Prayag Film City, Paschim Medinipur and Bhugol O Paribesh, Raghunathgaung, Murshidabad.

#### **Participated as Resource Person.**

20.01.2020- 21.01.2020: Delivered an Invited lecture in International Seminar on "Socio Economic Development and its Impact on Environment in Sundarban", organized by Sabuj B.Ed College, Raidighi.

#### **Deliver lecture as Key Note Speaker.**

21.12.2019: Delivered an Invited lecture in National Workshop (Open Air) entitled 'Green Environment', organised by Banwarilal Bhalotia College, Asansol, Paschim Bardhaman.

Delivered lecture as Resource Person.

16.12.2019: Delivered an Invited lecture in the Valedictory Session of Refresher Course entitled "Natural and Man-made Disaster Causes, Impact and its Management", organized by The University of Burdwan, Burdwan.

Delivered lecture as Chief Guest.

10.11.2019: Delivered an Invited lecture in State-level Seminar entitled "Geography Through the Lens of History", organized by Nabadwip Puratattva Parishad, Nadia and Bhugol O Paribesh, Murshidabad.

**Delivered lecture as Chief Guest.**

05.09.2019: Delivered an Invited lecture in State-level Seminar entitled "Environment & Societal Resource" organized by Raja N. L. Khan Women's College, Paschim Medinipur.

20.08.2019: Delivered an Invited lecture in State-level Seminar entitled "International Greeneries, Climate Change and Environmental Management", organized by Union Christian Training College, Berhampur, Murshidabad.

Delivered lecture as Key Note Speaker.

15.04.2019: Delivered an Invited lecture in International Conference on "Neglected Hydrogeomorphology in Sundarban Planning", organized by Bhugol o Paribesh of Murshidabad and Purbasa Eco-helpline Society, Sundarban, at Aliah University, Kolkata.

**Prof. Sutapa Mukhopadhyay**

Delivered lecture as Resource Person.

12.11.2019 - 14.11.2019: Delivered an Invited lecture in National seminar "On applications of Geospatial Technology in Geomorphology and Environment" Organized by Indian Institute of Geomorphologists; held at Department of Geography & Applied Geography, University of North Bengal, Siliguri. Title of presentation: "Channel Migration Assessment Along Lower Dwarakeswar River, West Bengal".

06.03.2020 - 08.03.2020: Delivered an Invited lecture in International Conference on "Agriculture, Food, Water, Biodiversity and Health in Changing Climate", organized by International Geographical Union (IGU)-India; held at Department of Geography, The University of Burdwan, West Bengal. Title of presentation: "Prioritization of sub-watersheds of Dwarakeswar basin for sustainable development: an integrated approach".

**Premangshu Chakrabarty**

27.09.2019 - 29.09.2019: Delivered an Invited lecture and presented paper in XIVth International Geography Conference entitled "Global Economy, Sustainable Tourism and Climate Change" organized by Deccan Geographical Society of India collaboration with Department of Geography, University of Rajasthan, Jaipur. Title of presentation: "Sufi Tourism in South Bengal: a regional analysis".

04.11.2019 - 08.11.2019: Delivered an Invited lecture and presented paper in Faculty Development Programme 2019 entitled "Modern Methods of Teaching and Advanced Research Methods" organized by Department of Geography, Bhatler College, Dantan, West Bengal. Title of presentation: "Tourism teaching and research in interdisciplinary arena".

09.12.2019 - 10.12.2019: Delivered an Invited lecture in 4th Regional Science & Technology Congress (Western Region), 2019", organised by the University of Burdwan and the Department of Science & Technology and Biotechnology, Government of West Bengal. Conference chaired in 'Meet the Scientists' session.

### **Krishnendu Gupta**

03.01.2020 - 16.01.2020: Participated in the Refresher course entitled 'Environment and Sustainability' organised by Human Resource Development Center, The University Burdwan, Burdwan, West Bengal'.

### **Extension activities/NSS/Cultural and other activities organized by the Department and participated by the teachers and students of the department:**

Fresher's welcome, Farewell function, Teachers Day Celebration, Intra Departmental Football & Cricket Tournament.

### **Academic distinctions gained by Teachers/Scholars or the Department as a whole-**

#### **V.C. Jha**

Vice Chancellor, T M Bhagalpur University, Bhagalpur, Bihar (29th July to 13th September, 2019).

Chief Vigilance Officer, Visva-Bharati, Santiniketan, (March -April 2019).

Member of the Central Admission Committee, Visva- Bharati, 2018-2021.

Attended Assessors' Orientation Programme(AOP), NAAC, ,KIIT, Bhubneshwar, Odisha on 27th-28th February 2020.

Member of Advisory Committee for amendment in the Career Advancement Scheme Statute in the Universities of Bihar, Raj Bhavan, Patna since August 2019.

Visitor's (President of India) Nominee in the Academic Council of NEHU, Shillong since 20th February 2019.

Chairman, of the Editorial Board of Indian Cartographer, the Journal of Indian National Cartographic Association (INCA).

Executive Council (EC) Member, 38th INCA International Congress, Hyderabad.

Guest of Honour received at 39th INCA International Congress, Dehradun, 2019.

#### **Uma Sankar Malik**

President's nominee in the Central University of Jharkhand, Ranchi, Jharkhand.

Member of First Court of the Maulana Azad National Urdu University(MANUU),Hyderabad as President's nominee.

External member of Doctoral Committee, Department of Geography, The university of Burdwan Burdwan, West Bengal.

External member of the Board of Studies in Geography, PG Department of Geography, The University of Gour Banga, Malda.

External member of the Board of Studies in Geography,PG Department of Geography, Kalyani University, Kalyani, Nadia.

External member of the Board of Studies in Geography, PG Department of Geography, Kazi Nazrul University , Asansol, West Burdwan.

Reviewer, Indian Journal on Spatial Sciences(IJSS).

#### **Sutapa Mukhopadhyay**

External Expert in Departmental Research Committee (DRC) in the Department of Geography, Burdwan University, Since 2018.

External Subject Expert Member in Directorate of Distance Education , Vidyasagar University,

Medinipur since 2017

Board of Studies(BOS) Member of Centre for Women Studies, Visva-Bharati.

Reviewer, Environment, Development, Sustainability, Springer.

Rivewer, Remote Sensing Application; Society and empowerment,

### **Publications within the year (April 2019-March 2020)**

#### **V.C. Jha**

"Some Aspects of the Geomorphology of Granitic Inselbergs in Dumka District, Jharkhand, India; Space and Modern Technology in Agriculture and Environment" Editors-VC Jha, K C Swain, A K Chatterjee, P K Patra & P Kandasamy; *Mukund Publication, New Delhi*, 2020, pp.14-30, ISBN : 978-93-84335-35-9.

#### **Malay Mukhopadhyay**

"Ecomenopolis - the road to monotony", Edited Volume *Sustainable Urbanization in East India*. Levant Book, Kolkata. January, 2020, pp. 109-113.

#### **Uma Sankar Malik**

"Urban Ethnic Space: A Discourse on Chinese Community in Kolkata', co-author: Sudipto Goswami, *Indian Journal of Spatial Science*, 2019, Spring Issue, Vol.10,No.1, pp.25-31, ISSN 2240-3921 ,e-ISSN 2249-4316

"Evolution of ethnicity in research: a social geographical appraisal in Indian context", co-author: Sudipto Goswami, *The Research Journal of Social Science*, Vol,-10, No,4, April, 2019, UGC approved, pp.67-78. ISSN.2456-1356(P), 2456-1356[O], index cosmos [www.aensi.in/http://www.aensi.in](http://www.aensi.in/),

'A Geographical study on the QOL in the Slums of KMC', Co-author: Abhishek Banerjee, *The Research Journal of Social Science*, [www.aensi.in/index cosmos](http://www.aensi.in/), 2019, pp.46-66, ISSN.2456-1356 [P],2456-1356[O] [http://www.aensi.in](http://www.aensi.in/),UGC approved.

#### **Sutapa Mukhopadhyay**

'Assessing Flood Risk Using Analytical Hierarchy Process (AHP) And Geographical Information System (GIS): Application In Coochbehar District Of West Bengal, India', *Natural Hazards* 99, *Springer*, pp-247-274 Impact Factor 2.427, UGC listed, <https://doi.org/10.1007/s11069-019-03737-7>, August 2019.

'Current Practice in Fluvial Geomorphology - Dynamics and Diversity' Edited by Krishna Gopal Ghosh, Sutapa Mukhopadhyay, *Intech Open Limited, London, EC3R 6AF, UK*. 2020. ISBN 978-1 - 78984 - 578 - 5,

#### **Premangshu Chakrabarty**

'Geoarchaeosites for geotourism: a spatial analysis for Rarh Bengal in India', *Geo Journal of Tourism and Geosites*, Vol-25, No-2, ISSN- 2065-0817, 2019.

'Adventure tourism spectrum, environment and livelihood opportunities: a case study in southern Singalila trekking'. *Geo Journal of Tourism and Geosites* , Vol-26, No-3, ISSN- 2065-0817, 2019.

'Geotourism development for fossil conservation: a study in Amkhoi fossil park of West Bengal in India'. *Geo Journal of Tourism and Geosites*, Vol-27, No-4ISSN- 2065-0817, 2019.

### **Bhairu Lal Yadav**

'West Bengal Becomes Older: Evidences from Demographic Transition, Remarking: an Analisation, Vol-4 (01), PPE104-111, ISSN-2455-0817, April, 2019.

'Do Social Characteristics Affect to Aspects of Utilization of Health Care Services? A Case Study of Olders', *Periodic Research*, Vol- 7(4), PP- E97-E103, ISSN-2349-9435, May,2019.

'Feminization of Ageing in India: Empirical Evidences and Challenges'. *Indian Journal of Gerontology*, Vol-33 (2), PP 280-291, ISSN- 0971-4189, 2019.

'Health Services for Olders in a Rurban Setting of India'. *Rajesh Publications*, New Delhi. 2020, ISBN-978-9-3836-84946

### **Krishnendu Gupta**

'Application of Graph-Based Model for the Quantification of Transport Network in Peri- Urban Interface of Burdwan City, India'. Co-author: Arif M, *Spatial Information Research, Springer*, pp- 1-11, ISSN: 2366-3286, 2019.

'Peri-Urban livelihood dynamics: a case study from Eastern India'. Co-author: Arif M and Rao D Srinivasa, *Forum Geographic, Romania*, , Vol- XVIII (1), 40-52. ISSN: 1583-1523, 2019.

'Driving forces of peri-urban growth of an Indian city: The Burdwan". Co-author: Arif M & Chatterjee S, *Indian Journal of Regional Science*, Kolkata, 51(1), 52-64., ISSN: 0046- 9017, 2019.

'Remote Sensing and GIS Application for Sustainable Land Use/Land Cover Management in Sonamukhi Block, Bankura District, West Bengal', Co-author: Das S, Book Proceedings on '*Application of Space and Modern Technology in Agriculture and Environment, NABARD* edited by Swain K C, Chatterjee A K, Patra P K, Kandasamy P Mukund Publication, New Delhi, pp 138-153, ISBN: 978-93-84335-35-9, 2020.

### **Sudipta Sarkar**

'Surviving the Pandemic: Ground Reports from India's Villages. Bhubaneswar" Co-author: Mishra, D. Development Research Institute, doi: 10.13140/RG.2.2.19923.40486, (e-book), 2020.[www.gabeshanachakra.org/sites/default/files/DRI%20Report%20on%20Villages\\_Final\\_o.pdf](http://www.gabeshanachakra.org/sites/default/files/DRI%20Report%20on%20Villages_Final_o.pdf)

### **Designing new course/ curriculum or any other teaching innovations introduced by the Department:**

Training in field based Disaster Management Report writing as curriculum in B.A. Semester IV (CBCS syllabus)

[ SEC 2] - Geographical Information System having opportunity of Skill development



## Department of History

### Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations:

#### 2019

Bishal Ghosh	(NET)
Md Salim Shahzada	(SET)
Naziya Khatun	(SET)
Ranjit Biswas	(SET & NET-JRF)
Suman Mahata	(NET)

#### 2020

Bishal Ghosh	(SET)
Celina Yonzon Tamang	(SET)
Kartick Adhikary	(SET)
Mandira Banerjee	(SET)
Pintu Das	(SET)
Prayana Subba	(NET-JRF)
Rabina Khatun	(SET)
Santa Ghosh	(SET)
Sohini Jha	(SET)
Suman Mahata	(SET)
Tamajit Pal	(SET)
Tathagata Mandal	(SET)
Ushmeya Majumder	(SET)

### Departmental Seminar (Speakers, Title of the Seminar, Date):

#### VISITING PROFESSORS, 2019-2020

The Department further invited academicians and scholars of repute as Visiting Professors under the UGC SAP-DRS Phase (III) programme during the year 2019-20. The following scholars delivered Public Lectures and interacted with the students and faculty of the department during their stay here:

1. Prof. Amit Dey, Calcutta University
2. Prof. Asok Das, Eminent Art Historian
3. Prof. Bhaskar Chakrabarty, Calcutta University
4. Prof. Deepak Kumar, Jawaharlal Nehru University
5. Prof. Najaf Haider, Jawaharlal Nehru University
6. Prof. Rajsekhar Basu, Calcutta University

#### LECTURES ORGANIZED BY THE DEPARTMENT

**Prof. Subho Basu** of the Department of History & Classical Studies, McGill University, Montreal, Quebec, Canada, delivered a lecture and interacted with the students.

**Prof. Shouvik Mukhopadhyay** of the Department of History, Calcutta University, delivered a

lecture and interacted with the students.

### **National and International standard Conference /Seminar Workshop/ Exhibition etc.**

#### **Sandip Basu Sarbadhikary**

##### **Participation in Conferences Abroad**

27.09.2019-28.09.2019: Participated in the International Conference on "Sanskriti, Siksha and Shanti: Janajati Prekshapate" organized jointly by the Department of History, Rajshahi University and Jana-Itihas Charcha Kendra, Dhaka, Bangladesh.

27.02.2020-28.02.2020: Participated and delivered as Valedictory Speaker at the International Conference on "Bangabandhu, His Times and Legacy : Society, Economy & State Formation in Retrospect" organized jointly by the Department of History and Civilization, University of Barisal and Jana-Itihas Charcha Kendra, Dhaka, Bangladesh .

##### **Papers Presented**

07.11.2019: .Delivered the Key-Note Address at the International Conference on the occasion of the "Bi-Centenary Birth Anniversary celebrations of Ishwar Chandra Vidyasagar" organized by the Galsi Mahavidyalaya, Galsi, Purba Burdwan.

27.09.2019-28.09.2019: Delivered as Keynote Speaker at the International Conference on "Sanskriti, Siksha and Shanti : Janajati Prekshapate" organized jointly by the Department of History, Rajshahi University and Jana-Itihas Charcha Kendra, Dacka, Bangladesh.

10.01.2020-11.01.2020: Delivered Special Lectures as invited speaker at the Raja Narendralal Khan College, Purba Midnapur.

13.02.2020: Delivered Two lectures as invited speaker at the "Refresher Course in History" organized by the UGC-HRDC, North Bengal University.

27.02.2020-28.02.2020: Delivered as Valedictory Speaker at the International Conference on "Bangabandhu, His Times and Legacy : Society, Economy & State Formation in Retrospect" organized jointly by the Department of History and Civilization, University of Barisal and Jana-Itihas Charcha Kendra, Dhaka, Bangladesh..

#### **Bipasha Raha**

##### **Lectures Delivered**

September 2019. Delivered a Special Lecture at Prasannadeb Women's College, Jalpaiguri .Title of presentation: "Understanding Popular Culture".

#### **Syed Ejaz Hussain**

##### **Papers Presented in Seminar/ Conferences**

07.01.2020: Delivered Key-note address at the International Conference on 'Warfare in South Asia: From Ancient to Modern Times' held at Jadavpur University, Kolkata. Title of presentation: 'Salary and Wages of the Army: A Study based on A Manual of Military Account of Maharaja Ranjit Singh'.

24.01.2020-26.01.2020: Participated in the "Prof. Abdul Wahab Memorial Workshop on 'Bharat Itihas Samanvayi Bhabna' Lecture" at 36<sup>th</sup> Annual Conference of the Paschim Banga Itihas Samsad held in Kolkata. Title of presentation: 'Tradition of accommodation and conciliation in Indian Culture'.

08.02.2020-09.02.2020: Presided over 4<sup>th</sup> Conference on 'History Archaeology Epigraphy &

Numismatics' (CHAEN' 2020) held in Mumbai and delivered the Presidential address. Title of presentation: 'Contours of Ancillary Sources in Historical Research with Emphasis on Archaeology, Epigraphy and Numismatics'.

14.02.2020-15.02.2020: Participated in an International Seminar held at Behrampore Girls' College, Murshidabad. Title of presentation: 'Gleanings from a Persian Travel Account about Early 19th Century Murshidabad and Kolkata'.

25.02.2020-27.02.2020: Acted as the Sectional President of "Medieval Indian History for the Annual Conference of the Institute of Historical Studies", Kolkata held at Vidyasagar University and delivered the Lecture . Title of presentation: 'Gleanings of People's history from Some Persian Sources'.

### **Arpita Sen**

#### **Papers Presented**

24.10.2019-26.10.2019. Presented a paper in the "40th Annual Conference of the North East India History Association", Karmashree Hiteshwar Saikia College, Guwahati. "A Brahma Missionary and the Temperance Crusade in the Khasi Hills (1889-1916)".

28.12.2019-30.12.2019: Presented a paper in the 80<sup>th</sup> Session of the "Indian History Congress", Kannur University, Kerala. Title of presentation: "Camouflaging the Irrefutable: The Politics of Linguistic Nationalism in Assam,"

26.01.2020-27.01.2020: Presented a paper in the International Seminar on "Gandhi's Vision and its Resonance in Pre/Post Independence India" in Kandra RKK Mahavidyalaya. . Title of presentation: "The Irish Model, Gandhi and the Indian Nationalist Movement."

### **Amarendra Kumar**

#### **Participation in Conferences Abroad:**

05.09.2019 - 06.09.2019: Participated in Hakluyt Society Symposium on "Rethinking Power in Maritime Encounters, 1400-1900", held at Leiden University, The Netherlands.

#### **Papers Presented**

05.09.2019 - 06.09.2019: Presented a paper at Hakluyt Society Symposium on "Rethinking Power in Maritime Encounters, 1400-1900", held at Leiden University, The Netherlands. Title of presentation: "Negotiating 'Territoriality of the Sea': The Maratha Navy in the Era of Global Maritime Empires".

07.01.2020-08.01.2020: Presented a paper at an International Conference on "Warfare in South Asia: From Ancient to Modern Times", organized by Jadavpur University, Kolkata. Title of presentation: "Navy in Indian Warfare (300 BC-1800AD)".

02.03.2020: Delivered a Special Lecture at Visva-Bharati, Santiniketan, organized by Bhasha Bhavana and the Department of Marathi Language, Visva-Bharati. Title of presentation: "Chhatrapati Shivaji Maharaj: Swarajya and Statecraft".

### **Subhayu Chattopadhyay**

#### **Papers Presented**

06.03.2020: Delivered Special Lecture at the "International Conference on 200<sup>th</sup> Birth Anniversary of Ishwar Chandra Vidyasagar" held at Turku Hansda Lapsa Hembram Mahavidyalaya, Mallarpur, Birbhum West Bengal. The title of the Lecture was "Revisiting Barnaparichaya".

## **Sudhi Mandloi**

### **Papers Presented**

20.09.2019-21.09.2019: Presented a paper in ICSSR-sponsored National Seminar on "Gender in Indian History: Its relations with Different Trajectories of History on Indian Women from 1857 to 1947" held in Department of History, Vijaygarh Jyotish Ray College, Kolkata. Title of presentation: "Understanding the Dynamics of Caste, Patriarchy and Gender interface: Reflections on Phule and Ambedkar's thoughts".

18.10.2019-19.10.2019: Presented a paper in 3<sup>rd</sup> International Conference on "Gender Issues: Understanding the Co-Constitution of Gender and Politics" held at Patna Women's College. Title of presentation: "Citizenship Rights, Political Participation and issues of Dalit Women"

15.02.2020-16.02.2020: Presented a paper in ICSSR-sponsored National Seminar on "Culture, Society and Politics: Colonial and Post Colonial Period" held at M.U.C Women's College, Burdwan. Title of presentation: "Dallit Panther Movement: Dalit Activism in the 20th Century Maharashtra"

### **Invited as a Resource Person**

21.02.2020-23.02.2020: Invited as the resource person in the National Seminar on "Significance of Gandhian Ideology" organized by School of Studies, History, Pt. Ravishankar Shukla University, Raipur, Chattisgarh. Title of presentation: "Gandhi's thought on Gender Equality and Women Empowerment".

## **Atig Ghosh**

### **Paper Presented**

18.07.2019: Delivered a special lecture as part of the "Friday Lecture Series of Mahanirban Calcutta Research Group". Title of presentation: "Rearticulating 'Agrarian Populism' in Postcolonial India: Considerations around D.N. Dhanagare's Populism and Power: Farmers' Movement in Western India: 1980-2014 and Beyond"

### **Resource Person**

21.09.2019-30.09.2019: Resource Person in "Ten-Day Methodology Workshop on Development Policy Research Department of Economics & Politics, under UGC-SAP (DRS-II)", Visva-Bharati. Lectured on "Engaging Development: A Radical Historical Development".

### **Publications within the year April 2019, March 2020**

#### **Sandip Basu Sarbadhikary**

"Bishwayan o Rohingya Samasya" (Sectional Presidential Address: "Countries Other than India" at the 35<sup>th</sup> Annual Session of the Paschim Itihas Samsad held on 23- 25 January 2019 at the Panchanan Barma University, Cooch Behar, published in the Proceedings Volume in January 2020.

#### **Bipasha Raha**

"The Peasant Question and the Middle Class Intelligentsia in Bengal, 1831-1930" in *Comprehensive History of Modern Bengal, 1700-1950*", Vol. 3 (ed. Sabyasachi Bhattacharya), New Delhi: Primus Books, 2020, pp. 166-230 (ISBN 13:9789389901955).

"Gandhi and Rural Reconstruction: Issue of Village Swaraj", *Journal of the Asiatic Society*, Vol. LXI: No.3, 2019 (ISSN 0368-3308).

"Rabindranather Swadeshikata" [Rabindranath's Nationalism], in *Rabindrasaptaha Bhashan*, edited by Indrani Mukherjee & Amartya Mukhopadhyay, Visva-Bharati, Pous 1425 [B.S.].

"Rural reconstruction and Swadesh: A Poet's Alternative" in Suparna Gooptu ed., *Themes and Individuals in History*, KP Bagchi & Company: Kolkata, 2019, (ISBN 978-93-89901-95-5).

**Syed Ejaz Hussain**

'Akbarnagar: A Mughal Mint in Bengal', *Journal of the Oriental Numismatic Society (ONS)*, London, No. 238, Winter 2019, pp. 61-64, (ISSN 1818-1252)

'Political History and Historiography of Bengal Subah, 1700-57', *Comprehensive History of Modern Bengal, 1700-1950*, Vol. 1 (ed. Sabyasachi Bhattacharya), New Delhi: Primus Books, 2020, pp. 1-25 (ISBN 13:9789389901955).

'Muslim Literati and their Social, Political and Religious Thoughts in the Eighteenth Century', *Comprehensive History of Modern Bengal, 1700-1950*, Vol. 1 (ed. Sabyasachi Bhattacharya), New Delhi: Primus Books, 2020, pp. 603-42 (ISBN 13:9789389901955).

**Arpita**

"Contesting Identities: Some Representations of Khasis in Colonial Discourse," in Amarendra Thakur edited, *Proceedings of the North East India History Association*, 39<sup>th</sup> Session, Shillong, 2019, pp. 247-256 (UGC-Approved Journal).

**Atig Ghosh**

**Book Publication (Edited Volume)**

Situating Social Media: Gender, Caste, Protest, Solidarity. Women Unlimited: Atig Ghosh & Samata Biswas (eds). New Delhi, 2020 (ISBN 978-93-85606-27-4).

## **Department of Philosophy & Comparative Religion**

**Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.**

**NET: 01 SET: 03**

### **Departmental Seminar (Speakers, Title of the Seminar, Date)**

04.11.2019-05.11.2019: Two lectures delivered by Prof Christopher Key Chapel, Doshi Professor of Indian and Comparative Theology, Director Master of Arts in Yoga Studies, Loyola Marymount University. Organized by/hosted by Department of Philosophy & Comparative Religion, Visva-Bharati at Darshan sadan, Visva-Bharati.

14.02.2020-16.02.2020: Workshop on Phenomenological Ethics. Sponsored by, Department of Philosophy & Comparative Religion, Visva-Bharati and Phenomenological Society. Organized by/hosted by Department of Philosophy & Comparative Religion, Visva-Bharati at Darshan Sadan, Visva-Bharati.

21.02.2020-23.02.2020: Eastern Zone Teacher's Meet. Sponsored by, Indian Council of Philosophical Research. Organized by/hosted by Department of Philosophy & Comparative Religion, Visva-Bharati at Darshan Sadan, Visva-Bharati.

### **Only National and International standard Conference/Seminar/Workshop/Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars.**

#### **Shubhra Jyoti Das**

09.05. 2019: Presented a paper in National Seminar on "Sankara Jayanti", Organized by ICPR and V. M. Foundation. Title of presentation: "Was Sri Ramakrishna an Advaitin?"

10.01.2020-12.01.2020: Presented a paper in "International Vedanta Congress". Organized by JNU and University of Massachusetts. Title of presentation: "The Authorship Debate in Sankara Bhakti as a criterion: Examining".

22.02.2020-23.02.2020: Presented a paper and acted as co - chair in the session on "Indi - Persian Studies" in the National Seminar on "Together Towards Tomorrow: The role of Persian, Marathi, Hindi and other Languages for Sustainable Development". Organized by Department of Arabic, Persian, Urdu and Islamic Studies, Department of Marathi and Rajbhasha Cell, Visva Bharati. Title of presentation: "Reading Sankara and Rumi as complementary to each other".

#### **Sujay Mondal**

07.05.2019- 14.05.2019: "Workshop on Buddhist Logic". Organized by ICPR Centre for Buddhist Studies and Dept. of Philosophy, Jadavpur University, Kolkata.

#### **Anup Barman**

21.02.2020-23.02.2020: Chaired Session in "ICPR Eastern Zone Teacher's Meet on Revitalization of Indian Philosophy". Department of Philosophy and comparative Religion, Visva-Bharati, Santiniketan.

#### **M.P. Terence Samual**

28.06.2019-29.06.2019: Presented a paper in "Threatened Language and Culture of Mahali Community", Organized by, Mahali Adivasi Welfare Society, Santiniketan. Title of presentation:

"Representation of Tribal Culture in the Non-Tribal Literatures"

08.09.2019: Presented a paper in "Contemporary Tamil Researches and Theories", Organized by, Pirazh Journal, at Maniammai School, Madurai. Title of presentation: "Literature and Representation".

19.08.2019-23.08.2019: Presented a paper in "Phenomenology, Science and Religion", Organized by, Jnana-Deepa Vidyapeeth centre for Science-Religion Studies, Pune, in association with Christ College, Pune and the Centre for Phenomenological Studies, Pondicherry. Title of presentation: "Phenomenology of Touch: An Enquiry into the Problem of Untouchability".

05.11.2019-06.11.2019: Presented a paper in "Environmental History and Politics in Postcolonial India", Organized by, P.G. Department of History, C.K.G. Memorial Government College, Perambra. Title of presentation: "Political Ecology - A Marxist Perspective".

17.01.2020- 21.01.2020: Presented a paper in "XLIII Indian Social Science Congress", Organized by, Bengaluru Central University University, Bengaluru. Title of presentation: "Understanding the Interplay and Co-Evolution of Nature, Human and Society through Historical Materialism"

### **Asha Mukherjee**

09.06.2019-10.06.2019: Presented in "Perception and Cognition in World Philosophies", Organized by, Pedagogical University of Crackow. Title of presentation: "Knowledge of value, Freedom and predictability".

27.11.2019: Presented "Gender Justice and its Concern for sexual harassment of women in the workplace in A Space of our own: Towards a Gender Justice Milieu", Organized by, Bankura University.

17.01.2020- 21.01.2020: Presented in "XLIII Indian Social Science Congress", Organized by, Bengaluru Central University University, Bengaluru. Title of presentation: "Religious studies as religion lived: Current science of Nature - Society in India".

### **Sirajul Islam**

24.08.2019- 25.08.2019: Presented a paper in ICPR Sponsored National Seminar on "Philosophy and Its essentiality: Needs and relevance in Present time", Organized by Dept. of Philosophy, Mahatma Gandhi Kashi Vidyapith, Varanasi. Title of presentation: "Sufi Ethics and Its Essentiality in the 21st century".

03.09.2019: Presented a paper in International Seminar on "Sufism and Its Influence in Indian Sub-continent", Organized by, Dept. of History, NEHU, Shillong. Title of presentation: "Maulana Jalaluddin Rumi and Banglar Rumi Syed Ahmadul Huq: The Saviours of Humanity".

13.11.2019- 14.11.2019: Presented a paper in ICPR sponsored "International Seminar of Sufism, Humanism and Pluralism in India", Organized by, Dept. of Philosophy, Aligarh Muslim University, Aligarh. Title of presentation: "Impact of Sufism in Indian Society".

28.11.2019 : Presented a paper in Womens' College, Naihati, Organized by Dept. of Philosophy, Womens' College, Naihati. Title of presentation: "Philosophical significance of Gita and Quranic teachings."

26.12.2019: Presented a paper in International seminar on "Unity in Diversity: A Saga of Harmony", Organized by, Dept. of Arabic, University of Calcutta, Kolkata. Title of presentation: "Tradition of Harmony in Indian culture."

16.01.2020-19.01.2020: Presented a paper "in International Seminar on "Causation in Philosophy

and Modern Science", Organized by Dept. of Buddhist Studies, Nava Nalanda Mahavihara. Title of presentation : "Causation Vs. Necessity: A Critical Analysis in the Viewpoint of David Hume".  
 06.02.2020-08.02.2020 : Presented a paper in ICPR Sponsored National Seminar on "Religions and Religious Conflict With special reference to North -East India" , Organized by Dept. of Philosophy, Dispur College, Dispur, Assam. Title of presentation: "Religions and Religious Conflict in India".  
 24.02.2020- 25.02.2020: Key-note speaker in national Seminar, Organized by Dept. of Philosophy, Gangadhar Meher University, Sambalpur, Orissa. Title of presentation: "Man Nature Relationship in the viewpoint of Tagore."  
 26.02.2020-27.02.2020: Presented a paper in National Seminar at "Veda Research Institute", Thiruannamali, Tamil Nadu , Organized by Shantigiri, Veda Research Institute, Thiruannamali, Tamil Nadu. Title of presentation: "Environmental Awareness in Tagore Songs".  
 29.02.2020: Presented a paper in ICPR sponsored "Periodical Lecture". Organized by Dept. of Philosophy, Kishore Bharati Bhagini Nivedita College, Behala, Kolkata. Title of presentation: "Relevance of Philosophy and Religion in the 21st century".  
 07.03.2020- 08.03.2020 : Presented a paper in "Afro-Asian Philosophy Conference", Organized by Dept. of Philosophy, NEHU, Shillong. Title of presentation: "Islamic concept of Truth".

### **Ranjan Mukhopadhyay**

05.08.2019-10.08.2019: Presented a paper in "16th Congress on Logic Methodology and Philosophy of Science and Technology", Organized by CLMPST. Title of presentation: "Natural Deduction Rules and Ways of Knowing."  
 11.08.2019-16.08.2019: Presented a paper in "Logic Colloquium 2019", Organized by Association for Symbolic Logic. Title of presentation: "Cut Elimination and Restall's Defining Rules".

### **Ongoing Research Projects in the Department**

Name of the Teacher Sanctioned	Name of the Project	Sponsoring Agencies	Amount
Dr. Manjari Chakraborty	The Epistemic Character of Material Culture (October 2015 - November 2019)	ICPR, New Delhi	4 Lakh
Dr. Rekha Ojha	Alternative to Imprisonment in India: AN Ethical Perspective (Continuing)	ICPR, New Delhi	10 Lakh
Md. Sirajul Islam	Translation of Banglar Rumi Syed Ahmadul Haque Rachanavalee from Bengali to English (2nd Volume). sanctioned on 27th June 2020	Honorary, Allama Rumi Society, Bangladesh, Dhaka	NIL



**Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department.:**

Title of the Activities	Organizing Unit/ agency/ collaborating agency	No. of teachers coordinated in such activities	Number of students participated in such activities
Sabujayana Tree Plantation 08/08/19	Vidya Bhavana NSS Unit Visva Bharati	One Teacher from the department	48
Celebration of Independence day Parade 15/08/19	Vidya Bhavana NSS Unit Visva Bharati	One Teacher from the department	131
Celebration of NSS Day 24/09/19	Vidya Bhavana NSS Unit Visva Bharati	One Teacher from the department	128
Environmental awareness program campaign and cleaning programme 23/12/19 to 26/12/19	Vidya Bhavana NSS Unit Visva Bharati	One Teacher from the department	46
Swaccha Bharat Abhiyan 28/12/19 to 29/12/19	Vidya Bhavana NSS Unit Visva Bharati	One Teacher from the department	129
Participating in Republic Day Parade in Kolkata 02/02/2020	Vidya Bhavana NSS Unit Visva Bharati	One Teacher from the department	132
Republic Day Celebration 26/01/20	Vidya Bhavana NSS Unit Visva Bharati		

**Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S.etc.)**

**Shubhra Jyoti Das**

Successfully completed Orientation Programme held from 17.01.2020- 26.02.2020 in HRDC, Burdwan University.

Acted as the treasurer in the Eastern Zone Teacher's Meet organized by ICPR at Santiniketan from 21.02.2020-23.02.2020.

**Anup Barman**

Acted as a Joint Coordinator in the Eastern Zone Teacher's Meet organized by ICPR at Santiniketan from 21.02.2020-23.02.2020.

### **Asha Mukherjee**

Acted as the Coordinator in the Eastern Zone Teacher's Meet organized by ICPR at Santiniketan from 21.02.2020-23.02.2020.

Acted as an invited speaker at an international webinar entitled Apad dharma: Moral Imperative and Covid 19 organized by DAV College, BHU.

Acted as a panelist in AAS in Asia Conference held on 01.07.2019- 04.07.2019 2019, in Bangkok, Thailand.

### **Sirajul Islam**

Delivered lecture in the Goethe University, Frankfurt, Germany on "Guru Nanak Dev Ji and His Relation to Sufism: An Analysis" during the 550<sup>th</sup> Birth Anniversary of Guru Nanak Deb on 07.06.2019-08.06.2019.

Delivered two lectures as a Resource Person at Maulana Azad Institute of Asian Studies, Kolkata in the Methodology of Research Course work on 10.01. 2019.

Delivered Endowment lecture ON "Gandhiji's Notion of Peace and Prosperity: A Philosophical Exposition" in 93<sup>rd</sup> Session of Indian Philosophical Congress on 11.03.2019, Nava Nalanda Mahavihara, Nalanda, Bihar.

Chaired in the Session Asian Philosophy Congress, 2<sup>nd</sup> Day, section 3 on 09.03.2019 Nava Nalanda Mahavihara, Nalanda, Bihar.

Chaired in the Session Indian Philosophical Congress, 2<sup>nd</sup> Day, Ethics section on 11.03.2019 Nava Nalanda Mahavihara, Nalanda, Bihar.

Key note address done at the ICPR sponsored two day national Seminar on "Sufism, Humanism, Pluralism: Indian Perspective" on 13.11.2019- 14.11.2019 and also chaired in a session 6<sup>th</sup> of the said seminar.

Key note address done at ICPR sponsored National Seminar on Philosophy of Religion and Religious Conflicts with special reference to the Indigenous Religious Philosophy of North East India held on 06.02.2020- 08.02.2020 and also Chaired in the session 4<sup>th</sup> of the said seminar organized by the dept. of Philosophy, Dispur College, Dispur, Assam.

Key note address done at the National Seminar on "Man and Nature: Some Ethical Issues" held on 24.02.2020-25.02.2020 at G.M. University, Sambalpur, Orissa and also Chaired in the session 2<sup>nd</sup> session of the said seminar organized by the dept. of Philosophy, G.M. University, Sambalpur, Orissa.

Delivered special lecture in the National conference organized by the Veda Research Institute, VRI Campus, Thiruannamalai, Tamilnadu on "Tagore's Concept of Man and Environment: A Philosophical Reflection" held on 27.02.2020.

### **Publications within the year April 2019- March2020**

#### **Book Chapters**

" Gandhi ke vicharon ko apnana jaruree (in Hindi)" by Md. Sirajul Islam, Book entitled- Gandhi Vichar Samagam Edited by Dr. Shiva Srivastav, ITM University, Gwalior, M.P. in association of Bihar Government., 2019, pp. 194-98.ISBN-978-81-938959-3.

Vyatikrami Shilpi Norman Bethun (in Bengali) by Md. Sirajul Islam, Book- Mrityuhin Mahapran (Bengali), editor- Srijit Mukhopadhyaya, Durgapur Abosar, Durgapur, 2019, pp.36-42, ISBN- 978-93-85561-03-0.

**Articles/ Chapters in Anthologies/ Journals/ E- Journals:**

**Shubhra Jyoti Das**

Whom is Jalal al Din Rumi closer to : Sankara & Ramanuja ? Journal of Vidyamandira Patrika. August, 2019, Pp.118-125. ISSN: 2321-9076.

**Sujay Mondal**

"Revisiting Hindu Nationalism: Perspective of Bankimchandra". Journal of India Council of Philosophical Research, January 2020. Vo.37, No.1. ISSN: 0970-7794.

"Bakimchandra Chattopadhyay and the Concept of Dharma". Journal of Shodhprabah July 2019. Vol.44, No.3. ISSN: 0974-8946.

**Mousumi Roy**

"Divine Feminine in Tantrik Liberation Eschatology and the Perception of Women". International Journal of Innovative Knowledge Concepts, June2019, Vol.7, No.6. ISSN: 2454-2415.

## Centre for Journalism & Mass Communications

### **Departmental Seminar (Speakers, Title of the Seminar, Date)**

#### **National Seminar:**

19.08.2019 - 20.08.2019: National seminar of CJMC on 'Poverty, Corruption and Human Rights' was held in collaboration with the National Human Rights Commission, India.

#### **Special Lecture:**

16.08.2019 - 18.08.2019: Induction series lecture for MA in Communication & Journalism students by Dr. Kalinga Senaviratne.

02.11.2019: Coordinated a special lecture on behalf of CJMC on 'Gandhi ji and Child Rights' in collaboration with the National Commission for Protection of Child Rights, New Delhi and West Bengal Commission for Protection of Child Rights, Kolkata.

#### **Workshops**

09.08.2019 - 10.08.2019: 'PR in Digital Era & Corporate Communication' workshop by Arindam Basu, Managing Director, Carpe Diem, Kolkata.

27.08.2019: Workshop on Advertising and Brand Management, by Kaustav Bhadra, Advertising Industry consultant.

29.09.2019: Workshop on In-design Photoshop and Cyberwork by Sayan Sarkhel, Ex-Production Engineer (VB Project) BECIL.

04.11.2019: Workshop-cum-lecture on ICT4D by Dr. Rajesh Das, Burdwan University.

08.11.2019 - 09.11.2019: Two departmental workshops on 'Audio-Visual Journalism' and 'Fundamentals of Journalism' by Mr. Snehasis Sur, President, Press Club of Kolkata.

25.11.2019: Workshop on Print and Cyber Journalism by Archan Mitra, Amity University, Kolkata.

13.01.2020 - 15.01.2020: Workshop for Film Appreciation Specialisation students on 'Film Appreciation' conducted by Ms. Subha D Mollick, an award winning Documentary-maker, Kolkata.

16.01.2020: Advanced Cyber Communication and Journalism Specialisation workshop on 'Website Development' by Debayan Bhadury, Director of DHEE Communications, Kolkata.

31.01.2020: Workshop cum demonstration on Folk Media by Aditya Mukhopadhyay, Folk Media research expert.

24.02.2020: Workshop on 'Web Content Generation: Methods and Popular Practices' by Ms. Indrani Biswas, YouTuber and Digital Influencer.

24.02.2020 - 25.02.2020: Advanced Cyber Communication and Journalism workshop on 'Cyberspace, Information Superhighway: Perspectives and Challenges of Online Journalism' by Mr. Utsav Chatterjee, Assistant Professor, St. Xavier's College.

11.03.2020: Advanced Audio visual (Web Series) production workshop by Souvik Dasgupta and Pintu Ghosh, experts.

**Only National and International standard Conference /Seminar /Workshop / Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars.**

#### **Biplab Loha Choudhury**

07.05. 2019: Chairperson in session at a National seminar on "Literature from North-east India: Texts and Contexts". Organized in Indian Institute of Advanced Study, Shimla. Title of presentation:

"Contextualizing Marginal Experiences."

07.05.2019: Concluding session valedictory address "Border Diaspora and the Literature from the North-east." National seminar on "Literature from North-east India: Texts and Contexts". In Indian Institute of Advanced Study, Shimla.

30.04.2019-11.05.2019: Resource person: Indira Gandhi National Tribal University Two Week "Capacity Building Programme for Faculty of Social Science".

July 2019: Participated as invited panelist on grant in Association of Asian Studies Bangkok Conference 2019 in July 2019 and presented a paper. Title of presentation: "Developing Communities from Within in Cityscape."

04.10.2019 Spoke as a resource person in National Discussion "Meet on Relevance of Gandhian Educational Ideas: Implications for Policies and practices session on education, Rural Development and Women Empowerment". Organized by NCERT and GSDS, New Delhi

### **Mausumi Bhattacharyya**

#### **Academic Paper Presentation**

13.05.2019: Presented a paper in the 14th Global Communication Association (GCA) Annual Conference on the theme 'Media, Politics, Migration, and Education in the Digital Age' held in Athens, Greece. Title of presentation: 'Mapping impact of mobile telephony on social and economic empowerment of women: A case study in four villages of Birbhum District, India'.

21.02.2020: Presented a paper as a resource person in the "Deleuze and Guattari World Congress 2020", organised in New Delhi by the Deleuze and Guattari Studies in India Collective & Centre for Culture, Media and Governance, Jamia Millia Islamia Delhi. Title of presentation: "Criminalization to Decriminalization: Queering the Gender in India".

#### **Invited Lecture**

06.06.2019: Invited lecture as a resource person in a national workshop on 'Media, Gender and Globalisation: Emerging Issues, Trends and Challenges', organised by the Department of Humanities and Social Sciences, National Institute of Technology, Durgapur. Title of presentation: "Fostering A Gender equal Society: The Indian Perspective".

17.07.2019: Invited lecture as a resource person in an international seminar on 'New Media and Contemporary Society', organised by the Adult, Continuing Education and Extension Department, Jadavpur University. Title of presentation: "Mobile Telephony and the Contemporary Rural Society in West Bengal with special reference to Health and Economic Sector".

24.07.2019: Invited lecture as a resource person in a national workshop on 'MOOCs, E-content Development and Open Educational Resources', organised by the UGC-Human Resource Development Centre, University of Burdwan. Title of presentation: 'An Academic Discourse on Open Educational Resources'.

20.08.2019: Delivered lecture in a national seminar entitled 'Poverty, Corruption and Human Rights', organised by CJMC, Visva-Bharati in collaboration with the National Human Rights Commission, India. Title of presentation: 'Impact of Social Media on Poverty, Corruption and Human Rights'.

23.11.2019: Invited lecture as a part of a special national panel as a resource person, organised in Murshidabad, West Bengal by the MDI, Murshidabad. Title of presentation: 'Media Conclave - Samvaad.'

21.12.2019: Invited lecture in the "Mega Media Workshop" as a resource person ,organised in Durgapur, West Bengal by the West Bengal Union of Journalists, Durgapur Unit. Title of presentation: 'Mobile Journalism'.

### **Moderation**

08.04.2019: Invited to moderate a session in a national symposium on 'Future of Learning: Open Educational Resources (OER) e-PG Pathshala and MOOCs' organised by the University School of Mass Communication, GGSIP University, New Delhi and sponsored by the UGC.

14.05.2019:Invited to moderate a session entitled 'Media, Migration and Refugees' in the 14<sup>th</sup> Global Communication Association (GCA) Annual Conference on the theme 'Media, Politics, Migration, and Education in the Digital Age' held in Athens, Greece.

### **Extension activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department.**

Cultural activities were organized during Teacher's day, Fresher's welcome and farewell.

### **Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)**

#### **Biplab Loha Choudhury**

Visiting Researcher Grant from Chulalongkorn University to study on Developing Community from Within (June -July 2019).

Editor-in-Chief of international Peer-reviewed Journal International Journal of Peace Education and Development Published by New Delhi Publishers Series Editor, GRTF-NDP Book Series.

#### **Mausumi Bhattacharya**

Advisory Board Member of the prestigious 'Journal of Communication Research and Emerging Technologies ICONO14' (www.icono14.net) published by The Scientific Association ICONO 14 of Madrid, Spain since August, 2018 till now.

Advisory Board Member of the prestigious 'International Journal of Communication Development (IJCD)', ISSN-2231-2498, New Delhi, since January 2014 till now.

Elected as India Board Member of the International Association of Women in Radio and Television (IAWRT) since 2015 till now.

Have been selected as a member of the National Foundation for India (NFI) Media Fellowship Jury Board since 2015 till now.

Have been selected as the Eastern Zonal Coordinator of People's Archive of Rural India (PARI) since 2015 till now.

Editorial Board Member of Media Messenger, A Bilingual Research Journal in Media (RNI Registration No. MAHUL/2014/60617; ISSN 2455-2046) since 2016 till now.

### **Publications within the year April 2019- March 2020**

i) Text books ii) Other books iii) Monographs iv) Research Papers.(Author(s), title of Paper, year Journal volume No., Pages), v) Number of paper published in Peer/reviewed journals :

To be entered as:

#### **Departmental Publication:**

Individual Publication: a) Single author b) Joint authors (of the same Department)

### **Biplab Loha Choudhury**

'Felling An Icon, Vandalising Vidyasagar's statue goes against Bengal's Intellectual Legacy' in *The Indian Express*, Print and on-line, May 17, Friday, 2019.

<https://indianexpress.com/article/opinion/columns/felling-an-icon-573181>

"Use of Mobile App and Creator-Audience Matchmaking" in "Impacts of Mobile Use and Experience on Contemporary Society" Edited by Xiaoge Xu from IGI Global, Hershey, USA ISBN: 978-15-22578-85-7.

"Identifying Anthropogenic Factors of Groundwater Pollution through Students' Opinion in Rural West Bengal. Co-author: Archan Mitra, *Anthropocentric Pollution Journal*, Iran, Peer reviewed journal, P.49-58, Volume 3 ,issue2- serial no-6, 2019, ISSN 1908-1043, (H1 indexed ISC citation Sid database, journal impact factor 0.672 ).

"Proposal for Sequential Study of Communication in Global Media Journal India edition, Peer reviewed UGC I-CARE listed journal, (ISSN 2249-5835).

Edited peer reviewed journal *International Journal of Peace Education & Development*, vol.7 no.1 June 2019.

Book chapter "Roadmap to Hundred: Media & Communication Education in India", Pallab Sengupta edited *India's Vernacular Journalism: A Journey of Two Centuries*", pages 124-136, ISBN 978-81-942129-2-8, Setu Prakashani, Kolkata.

### **Mausumi Bhattacharya**

Text:E-Modules for MOOCs (Four quadrants): Written 'Gender, Society and Development' module under 'Media, Gender and Society' unit of Society and Media programme of MOOCs launched on July 15, 2019 by UGC, SWAYAM, Ministry of Human Resources Development, Government of India.

Written 'Media and Gender Representation' module under 'Media, Gender and Society' unit of Society and Media programme of MOOCs launched on July 15, 2019 by UGC, SWAYAM, Ministry of Human Resources Development, Government of India.

### **Designing New Course/Curriculum or any other teaching innovations introduced by the Department.**

Introducing Live project learning in Media Organization Management through associating in start-up development (from February, 2020).

Organised the first Model United Nations (MUN) of CJMC as the Open Practical Examination for Semester II (December 20, 2019).

### **Other relevant information:**

#### **A. Academic & Research Collaborations:**

MOU with ASMEE Dehradun for research collaboration and student exchange.

Awaiting MOU for student-teacher exchange and faculty development with Rajshahi University Bangladesh. Process initiated in 2018-2019

Awaiting MOU with Panteion University of Social and Political Sciences, Athens, Greece to collaborate under the Erasmus+ grant agreement (student and faculty exchange programme) of their Department of International Relations and European Union between Department of Communication, Media and Culture . Initiated in January 2020.

**B. Start-up Mentoring:**

From February, 2020, a health service online start-up started by a pass out with Media Organization Management specialisation is mentored in Media Organization Management area.

**C. Return from Higher study:**

Dr. Mausumi Bhattacharya, Associate Professor on EOL completed the tenure for post-doctoral research on 'Mobile Telephony and Empowerment of Rural Women: A study in the Bolpur Sub-division of Birbhum District, West Bengal, India' at the Centre for Culture, Governance and Media, Jamia Millia Islamia, New Delhi after being awarded a post-doctoral full fellowship grant for two years by the Indian Council of Social Science Research (ICSSR), Ministry of Human Resources and Development, Government of India (May 27, 2019).

**D. Jobs:**

One PhD scholar joined Indian Information Service Grade B during this year. 20 Master's students got placement in industry.

E. Internships/field projects: 24 students availed the opportunity

F. 4 issues of Visva-Bharati Chronicle, the student-driven laboratory newspaper was published and sold during the period.

**G. Practical facility:**

The studio (Media lab) has been treated for accoustics during the period under CSR from GOI Miniratna Company BECIL. Many equipments have been purchased during the period.



## Centre For Women's Studies

The UGC during the XIth Plan took a major initiative to create departments of Women's Studies in educational institutions all-over India to generate awareness and facilitate empowerment of women through education, research and targeted interventions. The Centre for Women's Studies, a product of this initiative, at Visva-Bharati was established in July 2009.

The primary aim of the Centre is to explore the gendered nature of social processes focusing on development questions. The Centre focusses on interdisciplinary work on gender questions: women's status in developing as well as in developed countries, gender dimension of development, divisions of labour, public and private spheres, access to institutions and the organisation of family life, masculinity. The research and teaching at the Centre combine theory and practice with an interdisciplinary and transnational scope. The Centre aims at contributing to theoretical, methodological and pedagogical debates within the study of power dynamics embedded in gender relations in the context of development. A separate Board of Studies was constituted vide order no. Reg./Notif./156 dated 3<sup>rd</sup> September, 2014. Professor Sarbajit Sengupta, Principal, Vidya Bhavana is the Chairman of the BoS of the Centre. The Institute Board of the Centre is VidyaBhavana as per the same order.

The Centre for Women's Studies at Visva-Bharati focuses on interdisciplinary research on gender and development. The centre also tries to organise extension works on women and gender questions which has a strong link with the research taken up in the department. Some of the thrust areas of research at the centre are the following: Gendered dimension of development in India: question of education and health, violence against women, the question of agency and policy issues, Girl children in the light of broader developmental goals of India and South Asia, Labour market choices of women and the constrained optimums, Women and conflict and the inside-outside dichotomy and the concept of domesticity. Gender questions are global. We believe that understanding of gender relations is essential to comprehend the contemporary world which in turn is contingent upon the intricate interplay of social, cultural, political and economic factors determined in the past. Gender relations cut across multiple categories such as class, caste, religion and ethnicity. Without an interdisciplinary approach, thus, this analysis is not possible. Thus the Centre draws its membership from across the disciplines of academics inside and outside the university.

The primary aim of the Centre is to explore the gendered nature of social processes focusing on development questions. The research and teaching at the Centre combine theory and practice with an interdisciplinary and transnational scope. The Centre aims at contributing to theoretical, methodological and pedagogical debates within the study of power dynamics embedded in gender relations in the context of development. In particular, the objectives of the Centre can be broadly classified under two major themes: academic and applied. The Centre offers a regular integrated MPhil/PhD programme on Gender and Development. The M.Phil course is structured in a way that will not only enable a student to do good research for her/his PhD but also make them equipped to take up jobs in the development sector. In future the Centre has plans to start campus interviews.

## **Name of the students qualified in UGC/CSIR/NET/SLET and GATE**

<b>Name of the students</b>	<b>Course</b>	<b>Subject</b>
Kalyan Pramanick	PhD	UGC-NET-JRF in Geography
Krishna Pada Paul	PhD	UGC-NET in Bengali
Nupur Saha	PhD	UGC-NET in Geography
Sree Soorya T.R.	PhD	UGC-NET in Social work

## **Departmental Seminar (speaker, title of the Seminar, date)**

On the occasion of International Women's Day, the Women's Studies Centre organized a Round Table Discussion on "Empowerment of Women" in collaboration with the Press Information Bureau, Kolkata.

## **National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teacher/Research scholars:**

### **Tanusree Paul**

03.02.2020- 07.02.2020: Participated in the week-long workshop on Qualitative Research Methods in Social Sciences, organized by Institute of Development Studies Kolkata, Kolkata, India.

### **Paper presentation:**

06.03.2020- 08.03.2020: Presented a paper (8<sup>th</sup> March, 2020) in XIV International Geographical Union (IGU) - India: International Conference on "Agriculture, Food, Water, Biodiversity and Health in Changing Climate", organized by the Department of Geography, The University of Burdwan, Burdwan, India. Title of presentation: "Exploring the Drivers of Positive Nutritional Outcomes for a Sustainable Nutrition Polycscape in India".

## **Publications within the year April 2018-2019**

### **Tanusree Paul**

"Exploring the Communication Strategies for Swachh Bharat Abhiyan in the Bolpur-Sriniketan Region: A Gendered Analysis", Co-author: Dipanjan Manda, *BR International Journal of Culture, Media and Trends*, Eds.: Dr. P. K. Bandyopadhyay & Dr. Kiran Prasad, July 2019 - December 2019, Volume 2, Number 2, Pages 83 - 96, Publisher: B. R. Publishing Corporation, ISSN: 2457-0966

## **Designing New Course/Curriculum or any other teaching innovations introduced by the Department-**

The Centre worked on developing the syllabus of a Generic Elective (GE) Course on "Women's Studies: Understanding the Concepts and Challenges" for Undergraduate students. The syllabus was passed in Board of Studies held on 25th May and Institute Board on 28th June, 2019. The course will be offered to all desiring students from 2020-21 academic year.

This course will be offered to all interested students in Visva-Bharati pursuing undergraduate programme. The curriculum consists of 4 modules, of which one module will be offered in each semester. Each module carries 75 marks which includes 15 marks for internal assessments.

**Objective:** This course explores the social meanings and representations of gender in social institutions and organizations- family, community, state.

**Learning outcomes:**

Capable of demonstrating comprehensive knowledge and understanding about gender and how it plays an important role in structuring our everyday lives.

Critical sensibility to everyday lived experiences with self awareness and reflexivity of both self and society in the context of gender-based inequities.

## **Education Vidya-Bhavana**

**National and International standard Conference /Seminar Workshop/ Exhibition etc.  
Details of chairing/evaluation/presentation made by Teachers/Research Scholars.**

**Prosenjit Saha**

03.11. 2019. Presented paper in One Day National Seminar On "Prevention Of Violence: Challenges And Opportunities" organized by Dept. Of Social Work, Visva Bharati, Sriniketan. Title of presentation: "Crime Against Children In India: A Deterrent Of Human Development".

**Publications within the year April 2019, March 2020****Prosenjit Saha**

"Ashram Sammilani: Rabindranath Tagore's Ideas And Practice Of Student's Self-Governance"  
*Gender and Development: Some Aspects of Social and Economical Changes*, Prof. Pranab Kumar Chattopadhyaya and Dayasankar Kushwaha (Edited), pp.109-127, New Delhi Publishers. ISSN: 978-93-88879-54-5.

# SIKSHA BHAVANA

## Department of Physics

### **Departmental Profile:**

Department of Physics, Visva-Bharati was established in 1963 with a provision for teaching at the B.Sc. (Honours) level while the M.Sc. programme started in 1968. Presently the Department has twenty-four (24) faculty members and fifty two (52) research students. The department has been taking active role in the curricular development at both the P.G. and U.G. levels. The 'Computer Applications' courses were introduced to the U.G. and as P.G. classes since 1987 as the knowledge in computers and computational physics are essential ingredients of teaching-learning and research in Physics. The department has implemented the Choice Based Credit Course (CBCS) module at the U.G. level in 2017 which includes a wide choice of contemporary and advanced topics. The first batch of students studying the CBCS curriculum will graduate this year. Some modifications of the CBCS course has been done to improve the practical / hands on part of the course. Setting up new additional experiments for the proposed postgraduate course is high on the priority list. We have used the experience of teaching this new and conceptually novel U.G. course to formulate a new P.G. curriculum which will be introduced in the next session. Presently the department offers six special papers (Condensed Matter Physics, Particle Physics, Electronics, Quantum Electronics, Astrophysics & Cosmology and Nuclear Physics) at the Post-Graduate level. Every year a good number of students of the department qualify various national level competitive examinations (such as NET, GATE, etc.).

During the early days, the department laid more emphasis on theoretical research due to lack of infrastructure and other constraints. In course of time, both theoretical and experimental research on wide range areas flourished with support from different funding agencies. Currently members of the faculty are engaged in research in Condensed Matter Physics, Materials Science, Nanomaterials, Electronics and Communication, Instrumentation, Quantum Optics, Laser Physics, Astrophysics, Cosmology, Mathematical Physics, Particle Physics, Nuclear Physics, etc. At present, the department receives support from a number of funding agencies, e.g., DST, DAE-BRNS, AERB, UGC, CSIR, UGC-DAE CSR (Kolkata), IUAC (New Delhi), MHRD, etc. There are several laboratories which can be used for teaching specialized topics as well as research. A list of high-end equipment available in the department is given below.

The members of the faculty use a number of experimental facilities available within the country as well as abroad to carry out their research - SINP (Kolkata), SNBCBS (Kolkata), VECC (Kolkata), Jadavpur University (Kolkata), University of Calcutta, UGC-DAE-CSR (Kolkata), Bose Institute (Kolkata), IIT-Kharagpur, NIT (Durgapur), CMERI (Durgapur), IUAC (New Delhi), DAE-CSR (Indore), IUCAA (Pune), TIFR (Mumbai), BARC (Mumbai), Microton Centre (Mangalore), NISER (Bhubaneswar), IIT (Dhanbad), NIT (Rourkela), MG University (Kottayam), NEHU (Shillong), LHC (CERN, Geneva), Osaka University (Japan), etc.

Faculty members have research collaborations, both theoretical and experimental, with institutes within India as well as abroad - Max-Planck Institute for Astrophysics (Garching, Germany),

Naresuan University (Thailand), Fukushima University (Japan), Osaka University (Japan), University of La Plata (Buenos Aires, Argentina), International Islamic University of Malaysia (Kualalumpur, Malaysia), Nicolaus Copernicus University (Poland), University of Silesia (Poland), National University of Uzbekistan (Tashkent, Uzbekistan), University of Yogyakarta (Indonesia), Virginia Commonwealth University (USA), etc.

The department is an associate centre of the Theoretical Physics Seminar Circuit (TPSC) and a regular seminar programme. The department regularly organizes seminars, conferences and workshops on current topics at the National and International Level. Popularization of physics among school students and other outreach programmes are also carried out regularly.

List of high-end equipment available in the Department:

1. TG-DSC Set-up (Netzsch, Germany) - a DST-FIST Facility
2. Dielectric Property Measuring Set-up (100 - 5 MHz, 30-400 deg, Hioki, Japan)
3. Electrical Conductivity Measuring Set-up ( $\sim$ pA,  $\sim$ 1000V, 0 - 100 deg-C, Keithley)
4. Two DSP based gamma-spectrometer systems (CAEN & CANBERRA);
5. VME-based data acquisition system for Si-strip detectors (Mesytec)
6. X-Ray powder Diffractometer (D/Max Ultima IV Automatic high resolution type, Rigaku, Japan) - a DST-FIST Facility
7. I-V/C-V spectrum analyzer (Keithley, 4200 SCS)
8. External cavity diode laser spectrometer (852 nm, mode hop free tuning range 10 GHz).
9. External cavity diode laser spectrometer (890nm - 920 nm, mode hop free tuning range 10 GHz @ 920 nm)
10. Digital storage oscilloscope (200 MHz)
11. Power meter
12. Cesium vapour cells with and without buffer gas.
13. Constant temperature heater
14. High End Computing Facility - a DST-FIST Facility
15. DSC (Model 200 F3 MAIA, Netzsch, Germany)
16. Portable Raman Spectrometer (R3000 - 785 NM)
17. Fast-Fast coincidence system for PLS with XP2020Q
18. High Temperature Annealing Furnace with Turbo Molecular Pump.

**Name of the students qualified in UGC / CSIR / NET / SET / JEST / GATE Examinations.**

**CSIR-UGC NET**

Dipendu Bhandari

Dipan Kundu

Soma Dutta

Debottam Mondal

**JEST**

Md Tousif Alam

Nilanjan Das

Mayusree Das

Amit Mondal

Dipan Kundu  
**GATE**  
Ushashri Mukherjee  
Pralay Biswas  
Saili Kumari Keshri  
Samit Kumar Pal  
Arghya Banerjee  
Koustav Karmakar  
Dipendu Bhandari  
Mayusree Das  
Sahin Sorifi  
Amit Mondal  
Chayan Das  
Shinjini Pal

**Antik Bhattacharjee**, student of B.Sc. (Semester-VI) got selected for the Integrated Ph. D. Course in Physics at TIFR Hyderabad

**Apurba Das**, student of M.Sc. (Sem-IV) received financial support for attending Summer School at the Institute of Solid State Physics, Tokyo.

#### **Departmental Seminar / Symposia.**

Department of Physics, Visva-Bharati organized the International Conference on during January 12 - 14, 2020

"International conference on Emerging issues in Cosmology and Particle Physics (EICP2)"

Joint Conveners: Dr. Swarup Kumar Majee and Dr. Biswajit Pandey

**National and International standard Conference / Seminar / Workshop / Exhibition etc. attended by teachers / Research Scholar in detail.**

22.07.2019 - 29.07.2019, Dr. Sudipta Das participated "The 5th Tah Poe on Cosmology (TPCosmo)" held at Sukhothai Treasure Resort & Spa, Sukhothai, Thailand and presented the paper "Steep Exponential Potential : A Dynamical System Perspective"

10.12.2019 - 13.12. 2019, Dr. Sudipta Das participated "the 9th International Conference on Gravitation and Cosmology (ICGC)" held at IISER-Mohali and presented the paper "Dynamical system analysis for a steep exponential potential"

2.12.2019 - 11.12, 2019 Dr. R.K. Singha participated in the workshop "Advanced Application of 'R' in Planning, Research and Development" organized by A.K. Dasgupta Centre for Planning and Development, Visva-Bharati, Santiniketan.

13.01.2020 - 14.01. 2020. Dr. R.K. Singha participated and delivered an invited talk "CAFM and KPFM - the noble characterization techniques to know about quantum dot grown using (S - K) mode" at the National Seminar on "Recent Trends in Advanced Functional Materials" organized by Midnapore College, Midnapore, West Bengal.

14.10.2019 -17.01.2020 2019, Dr. A. Chakraborty participated and delivered an invited talk "Investigation of nuclear level structure using heterogeneous probes" at the International Conference

on New Frontiers in Nuclear Physics (ICNFNP 2019) held at the Banaras Hindu University, Varanasi, India

03.12.2019-31.12.2019 Research scholar, Mr Puspendu Roy participated in "SERB School on Nonlinear Dynamics-2019", Department of Physics, Indian Institute Technology Patna, and delivered his presentation on "Chaotic behaviour in a Hamiltonian system of coupled Duffing oscillator with balanced loss and gain".

### **Ongoing Research Projects in the Department.**

#### **Major Projects:**

Project Title: Investigations on Hamiltonian systems with balanced loss and gain

Principal Investigator: Prof. Pijush K. Ghosh

Total grant sanctioned (in Rs):6,60,000/-

Funding Agency: SERB, DST

Duration: March 2019 - March 2022

Project Title:Study of Scalar perturbations in cosmological models of Dark Energy

Principal Investigator: Dr. Sudipta Das

Total grant sanctioned (in Rs):17,54,060/-

Funding Agency: SERB, DST

Duration: August 2017 - February 2020

Project Title:Switching of spin-states in spin-crossover molecular thin films

Principal Investigator: Dr. S.K. Mandal

Total grant sanctioned (in Rs):13,64,653/-

Funding Agency: CSIR

Duration: July 2016 - March 2020

Project Title:Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization

Principal Investigator: Prof. M. Maity

Total grant sanctioned (in Rs):1,72,00,000/-

Funding Agency: DST

Duration: August 2014 - March 2020

Project Title:Updating and operation of Regional WLCG Grid System

Principal Investigator: Prof. M. Maity

Total grant sanctioned (in Rs):26,80,000/-

Funding Agency: DST

Duration: July 2014 - March 2020

Project Title: Spectroscopic Study of Rare Earth Nuclei

Principal Investigator: Dr. Anagha Chakraborty

Total grant sanctioned (in Rs):24,59,200/-

Funding Agency: DAE-BRNS

Duration: April, 2017 - March, 2020

Project Title:Study of nuclear level density as a function of angular momentum, temperature and unveiling the role of collectivity and shell structure

Principal Investigator: Dr. Anagha Chakraborty

Total grant sanctioned (in Rs): 12,00,000/-

Funding Agency:UGC-DAE CSR, Kolkata

Duration: June, 2019 - May, 2022

Project Title: Lifetime Measurements of Excited States in  $^{66}\text{Zn}$  and  $^{66}\text{Ga}$

Principal Investigator: Dr. Buddhadev Mukherjee

Total grant sanctioned (in Rs): 12,00,000/-

Funding Agency: IUAC, New Delhi

Duration: March, 2020 - March, 2023

Project Title:Single Molecule Magnets and Molecular Magnetic Coolers from Lanthanide-based Metal-Organic Framework Materials

Principal Investigator: Prof. Ashis Bhattacharjee

Total grant sanctioned (in Rs):49,58,775/-

Funding Agency: Indo-Japan Collaborative Project under SPARC, MHRD

Duration: May 2019 - April 2021

Project Title:Galaxy formation and evolution in the filamentary Cosmic Web: Exploration and Analysis of the Sloan Digital Sky Survey Final Data Release Twelve (SDSS DR12)

Principal Investigator: Dr. Biswajit Pandey

Total grant sanctioned (in Rs):Rs 24,83,980/-

Funding Agency:SERB DST

Duration:June, 2016 - June, 2019

Project Title : An information theory based study of the large-scale environmental dependence of galaxy properties inthe Sloan Digital Sky Survey

Principal Investigator: Dr. Biswajit Pandey

Total grant sanctioned (in Rs):Rs. 19,71,332/-

Funding Agency:SERB DST

Duration: Feb, 2020 - Feb, 2023

**Academic distinctions gained by the Teachers / Scholars or the Department as a whole (Like recognition as a D.S.A or C.A.S. etc.)**

Prof. S. Chakrabarty

Reviewers of:

Pramana

Physics Letters A

EPJD

EPJPlus

Physical Review A

Prof. S. Mandal

**Reviewer of Journals:**

1. International Journal of theoretical physics,

2. Modern Physics Letters B



3. Physics Letters A
4. NANO Convergence

**Prof. A. Bhattacharjee**

**Editorial Board Member, Current Smart Materials.**

**Reviewer of Journals:**

1. Current Smart Materials
2. Journal of Applied Physics
3. Materials Chemistry & Physics
4. International Journal of Chemical Kinetics

Received the prestigious JSPS Bridge Fellowship (2019 - 2020) from the Japan Society for the Promotion of Science (JSPS)

**Prof. P. K. Ghosh**

Reviewer of Journals (April, 2019-March, 2020):

1. Mathematical Reviews, American Mathematical Society
2. The European Physical Journal Plus, Springer
3. Pramana-Journal of Physics, Indian Science Academy

**Prof. B.C. Gupta:**

Reviewer of Journals:

1. Physical Review B
2. Solid State Physics
3. Physics Letters A
4. Physica Status Silidi B

**Recognition:**

(a) Adjunct Professor, University of Illinois at Chicago, USA

(b) Member of the Governing Body, Akui Kamalabala Womens' College (the approved nominee of West Bengal State Council of Higher Education)

**Dr. S. K. Mandal**

Reviewer to American Chemical Society (ACS).

Dr. R. K. Singha:

Reviewer of journal: "Journal of Materials Science: Materials in Electronics", Springer.

**Dr. S. Das**

Selected as Visiting Associate of Inter-University Centre for Astronomy and Astrophysics (IUCAA) for a period of 3 years from August 1, 2017.

**Dr. B. Pandey**

1. Selected as a Life Member of the International Astronomical Union (IAU) in 2018.
2. Awarded an IUCAA Associateship for the period 2018-2021.

**Reviewer:**

Monthly Notices of the Royal Astronomical Society, Astronomy and Astrophysics (A&A), Journal of Astrophysics and Astronomy (JAA), Astrophysics & Space Science, Publications of the

Astronomical Society of Australia

Acted as an external expert member for the review of highly competitive research proposals submitted to 'ERC Consolidator Grants-2019 of European Research Council.

**Dr. A. Sow Mondal**

Awarded the Visiting Associate position during the session, 2019-2022 at the Inter-University Centre for Astronomy and Astrophysics (IUCAA)

**Book Chapter Publication within the year April 2019 - March 2020**

1. "Quantum Dynamics and Frequency Shift of a Periodically Driven Multi-photon Anharmonic Oscillator", by Dolan Krishna Bayen and Swapan Mandal published in "Quantum Collisions and Confinement of Atomic and Molecular Species, and Photons" Editors: Deshmukh, P.C., Krishnakumar, E., Fritsche, S., Krishnamurthy, M., Majumder, S. (2019) (Springer, Berlin)
2. "Physical Aging in PS/MWCNT Composite- An Enthalpy Relaxation Study.", Md. Amir Sohel, Abhijit Mondal, Asmita SenGupta published in the book "Synthesis, Characterization and Potential Applications of Nanomaterials", Apple Academics Press (2020).

**Publication in refereed journals:**

"Interaction of light and semiconductor can generate quantum states required for solid-state quantum computing: entangled, steered and other nonclassical states" A. Mukhopadhyay, B. Sen, K. Thapliyal, SwapanMandal, A., Pathak, Quantum Information Processing 18, 234 (2019)

"Classical and quantum description of a periodically driven multi-photon anharmonic oscillator" D. K. Bayen and Swapan Mandal, Optical and Quantum Electron.51, 388 (2019)

"Bose-condensed optomechanical-like system and a Fabry-Perot cavity with one movable mirror: quantum correlations from the perspectives of quantum optics" N. Alam, K. Thapliyal, A. Pathak, B. Sen, A. Verma, Swapan Mandal, Eur. Phys. J. D73, 139 (2019)

"Search for anomalous triple gauge couplings in WW and WZ production in lepton + jet events in proton-proton collisions at  $\sqrt{s}=13\text{TeV}$ ", CMS Collaboration (M. Maity and others) Journal of High Energy Physics doi.org/10.1007/JHEP 12, 062 (2019)

"Optimizing the parton shower model in pythia with pp collision data at  $\sqrt{s}=13\text{TeV}$ " CMS Collaboration (M. Maity and others) International Journal of Modern Physics A 34, 1950219 (2019)

"Search for Physics beyond the Standard Model in Events with Overlapping Photons and Jets" CMS Collaboration (M. Maity and others) PHYSICAL REVIEW LETTERS 123, 241801 (2019)

"Measurements of triple-differential cross sections for inclusive isolated photon+jet events in pp collisions at  $\sqrt{s}=8\text{TeV}$ " CMS Collaboration (M. Maity and others) European Physical Journal C 79, 969 (2019)

"Measurement of the top quark polarization and ttspin correlations using dilepton final states in proton-proton collisions at  $\sqrt{s}=13\text{TeV}$ " CMS Collaboration (M. Maity and others) PHYSICAL REVIEW D 100, 072002 (2019)

"Search for anomalous electroweak production of vector boson pairs in association with two jets in proton-proton collisions at  $\sqrt{s}=13\text{TeV}$ " CMS Collaboration (M. Maity and others) Physics Letters

B 798, 134985 (2019)

"Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in pp collisions at  $\sqrt{s}=13$  TeV" CMS Collaboration (M. Maity and others) *European Physical Journal C* 79, 773 (2019)

"Cannabis as homeopathic medicine in extreme dilutions: Thermal analysis for their differentiation and action on a protein" P. Mondal, N. C. Sukul, A. Konar, T. Sarkar, Md. A. Sohel, Asmita Sen Gupta, I. Chakraborty, A. Sukul *Indian Journal of Biochemistry & Biophysics*, 56, 506 (2019)

"Crystallization study of shellac investigated by differential scanning calorimetry" A. Mondal, Md. A. Sohel, A. P. Mohammad, A. S. Anu, S. Thomas, Asmita Sen Gupta *Polymer Bulletin* <https://doi.org/10.1007/s00289-019-03001-9> (2019)

"Solventless Synthesis and Characterization of  $\alpha$ -Fe,  $\beta$ -Fe, Magnetite and Hematite using Iron(III)citrate" A. Dey, M., Zubko, J. Kusz, V. R. Reddy, A. Banerjee, A. Bhattacharjee *Solid State Science* 95, 105932 (2019)

"Free and bound water in three different concentrations of a homeopathic drug Mercurius corrosivus 200 cH and its vehicle ethanol" P. Mondal, A. Dey, A. Bhattacharjee, N. C. Sukul, A. Konar, A. Sukul *Environment & Ecology* 37, 628 (2019)

"Taming Hamiltonian systems with balanced loss and gain via Lorentz interaction: General results and a case study with Landau Hamiltonian" Pijush K. Ghosh *J. Phys. A: Math. Theor.* 52, 415202 (2019)

"On the bound states and correlation functions of a class of Calogero-type quantum many-body problems with balanced loss and gain" Debdeep Sinha and Pijush K. Ghosh *J. Phys. A: Math. Theor.* 52, 505203 (2019)

"Engineering magneto resistance: A new perspective" M. Patra, S. Maity, Shreekantha Sil *Journal of Physics Condensed Matter* 31, 355303 (2019)

"In-beam spectroscopic study of  $^{63}\text{Zn}$ " U. S. Ghosh, S. Rai, B. Mukherjee et al., *Phys. Rev. C* 100, 034314 (2019)

"An optical narrowband switch between subluminal and superluminal light propagation in the inverted-Y configuration" S. Mondal, A. Ghosh, K. Islam, Amitava Bandyopadhyay *Laser Physics (IOP Publication)* 29, 075203 (2019)

"Dynamical system analysis for steep potentials" Sudipta Das, M. Banerjee, N. Roy *Journal of Cosmology and Astroparticle Physics* 2019, 024 (2019)

"Configuration entropy of the Cosmic Web: Can voids mimic the dark energy?" Biswajit Pandey, *Monthly Notices of the Royal Astronomical Society: Letters*, Volume 485, Issue 1, May 2019, Pages L73-L77, <https://doi.org/10.1093/mnrasl/slz037>

"A new method to probe the mass density and the cosmological constant using configuration entropy", Biswajit Pandey, Biswajit Das, *Monthly Notices of the Royal Astronomical Society: Letters*, Volume 485, Issue 1, May 2019, Pages L43-L47, <https://doi.org/10.1093/mnrasl/slz029>

"Unravelling the Cosmic Web: An analysis of the SDSS DR14 with the Local Dimension", Suman Sarkar, Biswajit Pandey, *Monthly Notices of the Royal Astronomical Society*, Volume 485, Issue 4,

June 2019, Pages 4743-4753, <https://doi.org/10.1093/mnras/stz499>

"Can we constrain the dark energy equation of state parameters using configuration entropy?", Biswajit Das, Biswajit Pandey, Monthly Notices of the Royal Astronomical Society, Volume 492, Issue 3, March 2020, Pages 3928-3939, <https://doi.org/10.1093/mnras/stz3538>

"Emerging collectivity from the nuclear structure of  $^{132}\text{Xe}$ : Inelastic neutron scattering studies and shell-model calculations", E.E. Peters, A.E. Stuchbery, A. Chakraborty, B.P. Crider, S.F. Ashley, A. Kumar, M.T. McEllistrem, F.M. Prados-Estevez, and S.W. Yates, Phys. Rev. C 99 (2019) 064321

"Measurement of neutron multiplicity to investigate the role of entrance channel parameters on the nuclear dissipation", N.K. Rai, A. Gnadhi, Ajay Kumar, N. Saneesh, M. Kumar, G. Kaur, A. Parihari, D. Arora, K.S. Golda, A. Jhingan, P. Sugathan, T.K. Ghosh, Jhilm Sadhukhan, B.K. Nayak, Nabendu K. Deb, S. Biswas, and A. Chakraborty, Phys. Rev. C 100 (2019) 014614

"In-beam spectroscopic study of  $^{63}\text{Zn}$ ", U.S. Ghosh, S. Rai, B. Mukherjee, A. Biswas, A.K. Mondal, K. Mandal, A. Chakraborty, S. Chakraborty, G. Mukherjee, A. Sharma, I. Bala, S. Muralithar, and R.P. Singh, Phys. Rev. C 100 (2019) 034314

"Formation of charge transfer complex between metalloporphyrins and aromatic solvents in tetrahydrofuran media: A density functional study", Somnath Chowdhury, Prajna Mukherjee, Monoj Das and Bikash C. Gupta, Journal of Porphyrins and Phthalocyanines Vol. 23, No. 10, pp. 1149-1157 (2019) <https://doi.org/10.1142/S1088424619501529>

"Two-photon resonances, ac Stark splittings, and shifts of the resonance peaks in Doppler free absorptive lineshapes of a double-lambda type four level system", Monojit Kora and Swapam Mandal, Chemical Physics Letters, 136955 Vol. 720 (2020)

"Diameter-dependent structural and electronic property of fused porphyrin nanotubes: A density functional study", Somnath Chowdhury, Monoj Das, Prajna Mukherjee, and Bikash C. Gupta, Journal of Porphyrins and Phthalocyanines, Vol. 24, No. 08, pp. 1021-1029 (2020) <https://doi.org/10.1142/S1088424620500121>

"Study of the reflection spectrum of the bright atoll source GX 3 + 1 with NuSTAR", A. S. Mondal G. Dewangan, B. Raychaudhuri, Monthly Notices of The Royal Astronomical Society (2019) 487, 5441

P. P. Pal and T. Chattopadhyay, "Modulation amplitude dependence of optical modulation distortion in IM-DD communication", Optik-International Journal for Light and Electron Optics, vol. 200, article no. 163369, January 2020, DOI: 10.1016/j.ijleo.2019.163369.

M. Chakraborty and T. Chattopadhyay, "A Novel Scheme for UDWDM-PON Broadband Access Network Using Injection-Locked Phase-to-Intensity Modulation Converter", Journal of optical communications, vol. 40, issue 4, pp. 369-377, October 2019, DOI: 10.1515/joc-2017-0085.

"A simple digital phase-sensitive detector using AVR microcontroller", Mehbub A. K. Nooruddin and Subhasish Roy, American Journal of Physics 88, 153 (2020); <https://doi.org/10.1119/10.0000376>

"Electromagnetically induced transparency and electromagnetically induced absorption in Y-type system" Kalan Mal, Khairul Islam, Suman Mondal, Dipankar Bhattacharyya and Amitava

Bandyopadhyay, Chinese Physics B 29, 054211 (2020)

**Particulars in details of the Departmental Library.**

- i. Area in (Sq. meter) quoted for the library: 600 sq. ft.
- ii. Is there separate provision for Reading Room: No.
- iii. Total No. of books: 2000 approx
- iv. Total Number of books purchased during the year: 100 approx
- v. Total Number of Periodicals: 10
- vi. Total Number of Periodicals purchased during the year: 10

## Department of Chemistry

### Departmental Profile

The Department of Chemistry has started its undergraduate programme in 1962 and postgraduate programme in 1969. During the course of time the Department has become one of the leading centre for Chemistry teaching and research in our country. The students are performing excellently in national level examinations such as NET, GATE, JAM etc. The Department is actively engaged in research in the fields of Natural Products, Synthetic Organic Chemistry, Green Chemistry, Supramolecular Chemistry, Coordination Chemistry, Solution Chemistry, Biochemical Thermodynamics, Non-conventional energy sources, Analytical Chemistry, Theoretical & Computational Chemistry and Non-equilibrium Statistical mechanics. In this academic session, the Department has published about 120 papers in journals of National and International repute.

### Name of the Students qualified in UGC/CSIR/NET/GATE Examinations:

Mr. Shabyasachi Mahapatra (NET CSIR, GATE)

Mr. Santanu Karmakar (NET CSIR, GATE)

Mr. Pranay Kumar Maitra (NET UGC, GATE)

Mr. Arnab Ganai (NET CSIR GATE)

Mr. Riwttick Kar (NET CSIR, GATE)

Mr. Sidhartha Malo (NET CSIR, GATE)

Mr. Palash Ghosh (NET CSIR, GATE)

Ms. Ankita Das (NET LS, GATE, DST INSPIRE)

Ms. Chandralekha Hajra (NET LS, GATE)

Mr. Avisek Datta (NET CSIR, GATE)

Mr. Rajkomol Sahoo. (NET LS, GATE)

Mr. Mahadev Roy (NET LS, GATE)

Mr. Araanya Mandal (NET UGC, GATE)

Mr. Manas Kumar Ghosh (CSIR NET)

Mr. Smarak Islam Chowdhury (NET LS, GATE)

Mr. Shuvadip Ghosh (NET LS, GATE)

Mr. Basudev Nandi (NET LS)

Mr. Sujit Das (NET CSIR)

Ms. Mouli Das (GATE)

Mr. Indranil Maity (GATE)

Mr. Anay Saha (NET LS)

Mr. Nasif Ali (NET LS)

Ms. Sudeshna Ghosh (GATE)

Mr. Anogh Ghosh (GATE)

Ms. Sumana Roy (GATE)

Mr. Gourav Das (GATE)

Mr. Soumya Konar (GATE)

Mr. Ayan Chatterjee (GATE)

Ms. Sanchari Saha (GATE)  
MS. Debrupa Biswas (NET CSIR)

### **JAM 2020**

Mr. Smarak Islam Chowdhury  
Mr. Sayan Chakravarty  
Mr. Saptarshi Saha  
Mr. Sujan Mandal  
Mr. Saugata Saha  
Mr. Kaushik Mandal  
Ms. Sanchari Sanigrahi  
Mr. Kaushik Mandal  
Mr. Shuvam Gupta  
Ms. Anindita Garai  
Ms. Prajna Paramita Pal  
Ms. Nzia Sultana  
Mr. Supriya Das  
Ms. Alokita Chakrabarty

### **Students Notable Placement**

<b>Sl. No.</b>	<b>Name</b>	<b>Joining Institute</b>
1.	Ms. Soumi Mandal	JNCASR, Bangalore for Ph. D.
2.	Mr. Subhajit Mandal	IISc, Bangalore, for Ph. D.
3.	Mr. Kirtiman Marjit	IACS, Jadavpur, for Ph. D.
4.	Ms. Chandralekha Hajra	IACS, Jadavpur for Ph. D.
7.	Mr. Manas Ghosh	BARC. Mumbai, Scientific Officer (job)
8.	Mr. Soumyadip Ray	IISER Tirupati, for Ph. D.
9.	Mr. Uddipan Ghosh	IISc, Bangalore for Integrated Ph. D.
10.	Ms. Priyanka Bhattacharyya	IISc, Bangalore for Integrated Ph. D.
11.	Mr. Atandrita Bhattacharyya	IISc, Bangalore for Integrated Ph. D.
12.	Mr. Pradip Bhui	IIT Mumbai, for M. Sc.
13.	Mr. Subrata Mandi	IIT Kanpur for M. Sc.
14.	Mr. Arkaprava Sen	IIT Hyderabad for M. Sc.
15.	Dr. Shrabani Mandal	University of Massachusetts, Boston USA for Postdoc
15.	Dr. Chandrima Chakravarty	Kent State University, USA for Postdoc
16.	Dr. Anup Pramanik	Sidho Kanho Birsha University, Purulia, Asst. Prof.
17.	Dr. Sudipto Bhowmik	Asta Tech Biopharm. Corp. Chengdu, China, Postdoc

### **Departmental Seminars/Conferences/Workshops:**

#### **National Seminar**

13.09.2019, One Day National Seminar Recent Trends in Chemical Science Research and Applications (RTCSRA-2019) is being held to celebrate 150 Yrs. of the Discovery of Periodic Table

### **Departmental Seminar**

13.03.2020, Dr. Soumyakanti Adhikari, Radiation and Photochemistry Division, Bhabha Atomic Research Centre (BARC), Mumbai delivered a seminar lecture on Chemistry with Ionizing Radiation.

12.03.2020, Dr. S. Nagrajan, Dept. of Chemistry, National Institute of Technology, Imphal, Manipur delivered a seminar talk on Three-way Catalytic Converter Reactions on Pd(III) Surfaces. - A Molecular Beam Study

21.02.2020, Dr. Sourav Banerjee, Dept. of Inorganic and Physical Chemistry, Indian Institute of Science delivered a seminar talk on Femtochemistry of Heterogenous Catalysis: Recombinative O+O = O<sub>2</sub> Reactions on Pd Surfaces and Beyond

13 December, 2019, Prof. P Bharatam, National Institute of Pharmaceutical and Educational Research (NIPER), Mohali delivered a seminar talk on The Latest Controversy in Chemistry: E-E Coordination bonds.

13.12.2019, Dr. Chitrak Gupta, Dept. of Chemistry, Arizona State University, USA delivered a seminar talk on Quantum Chemistry of Metal Clusters

23.09.2019, Dr. Joyram Guin, School of Chemical Sciences Indian Association for the Cultivation of Science, Jadavpur delivered a seminar talk on New Asymmetric Transformation using N-Heterocyclic Carbenes as Versatile Organocatalysts.

01.09.2019, Prof. Dilip Maity, Dept. of Chemistry, University of Calcutta delivered a seminar talk on Diverse Catalysis to Molecules for Functional Materials and Organic electronic Devices.

26.08.2019, Dr. Shyamkanta Sinha, CNRS, University of Strassburg, France delivered a seminar talk on Small and Fast: How Can We Observe Rapid Movement at Nanoscale.

13.08.2019, Prof. Subrata Ghosh, School of Chemical Sciences, Indian Association for the Cultivation of Science, Jadavpur deliver a seminar lecture on Rapis Access to Complex Molecular Structures towards Natural Product Synthesis

10.08. 2019, Dr. Supriya Dey, Harvard Medical School, Harvard University, USA delivered a seminar lecture on Synthesis of Organic Molecules

20.05.2019, Prof. Samar Kumar Das, School of Chemistry, University of Hyderabad delivered a seminar talk on Electrochemical Generation of Oxygen and Hydrogen from Water, Proton Conduction, and Aerial CO<sub>2</sub> Capture- Functional Inorganic Materials.

### **National and International standard Conference/Seminar/Workshop/Exhibition etc.**

(a) Teachers attended and presented papers in National and International Conferences

27.11.2019, Prof. Adinath Majee delivered an invited talk on "Chemistry of Some Important Heterocycles in Organic Synthesis." organized by Department of Chemistry, Department of Chemistry, Sidho-Kanho-Birsha University (SKBU), Purulia, West Bengal

27.09.2019-30.09.2019, Prof. Pranesh Chowdhury delivered an invited talk on "Polymer- Blessing or Curse" in the national level awareness workshop conducted by Vivekananda College, Burdwan, affiliated to Burdwan University.

9.12.2019-10.12.2019, Prof. Pranesh Chowdhury delivered an invited talk on "Polymer: Problem



and Prospect" in the 4th Regional Science & Technology Congress, conducted by Burdwan University, Burdwan.

23.08.2019-25.08.2019 Prof. Bhabatosh Mandal delivered an invited lecture on "ligand immobilisation on networking SG" at the International Symposium "Sustainable polymers " organised by IIT Guwahati and Assam Engineering College.

14.09.2019 Prof. Bhabatosh Mandal delivered an invited lecture on "8-HQ immobilised 3-D networking SG for selective sample clean up of heavy and toxic metal ions" at the National Seminar on "Relevance of periodic table in innovative research and chemical education" organized by Indian Chemical Society Kolkata; Bhagalpur chapter" in collaboration with The Indian Science Congress Association Patna chapter

13.09.2019 Goutam Brahmachari, Mullicka Mandal, Indrajit Karmakar, Khondekar Nurjamal, Bhagirath Mandal (2019). Ultrasound-assisted one-pot green synthesis of 6-amino-5-((4-hydroxy-2-oxo-2H-chromen-3-yl)(aryl)methyl)pyrimidine-2,4(1H,3H)-diones using sulfamic acid as catalyst. Proceedings of One-Day National Seminar on "Recent Trends in Chemical Science Research and Applications (RTCSRA-2019)" Department of Chemistry, Visva-Bharati University, Santiniketan.

07.01.2020, Dr. Alakananda Hajra delivered an invited lecture on " Design, Synthesis and Functionalization of Imidazoheterocycles" in the National Seminar on Emerging Trends in Chemical Sciences on January 07, 2020 organized by Jadavpur University

08.01.2020-9.01.2020, Dr. Alakananda Hajra delivered an invited lecture on " Design, Synthesis and Functionalization of Imidazoheterocycles" in the International Seminar (ICBS-2020) on Innovation, Expansion, Impacts and Challenges in Chemical and Biological Sciences organized by Surendranath College, Calcutta university.

09.01.2020-11.01.2020, Dr. Alakananda Hajra delivered an invited lecture on " Design, Synthesis and Functionalization of Imidazoheterocycles" in the International Conferences on Chemistry for Human Development (ICCHD-2020) organized by PACF, University of Calcutta and HIT, Kolkata.

11.03.2020-12.03.2020, Dr. Alakananda Hajra delivered an invited lecture on " Design, Synthesis and Functionalization of Imidazoheterocycles" in the International Conferences on Emerging Trends in Catalysis & Synthesis organized by Dept of chemistry, IIT-Kharagpur.

11.02.2020-14.02. 2020, Prof. Pranab Sarkar delivered an invited lecture on "Computational Design of Functional Materials" in the 2nd Materials Conclave and the 31st AGM meeting of Material Research Society of India, CGCRI, Kolkata.

19.07.2019-21.07.2019, Prof. Pranab Sarkar delivered an invited lecture on "In Sillico Design of Functional Materials" in 25th CRSI -NSC conference, IIT Kanpur.

13.09.2019, Dr. Kartick Chandra Bhowmick has participated in the one day National Seminar entitled "Recent Trends in Chemical Science Research and Applications (RTCSRA-2019)" organized by the Department of Chemistry, Visva-Bharati, Santiniketan

7.01.2020, Dr. Biswajit Dey delivered an invited talk on "Metallogels: The multi-functional materials" in "International Conference on Functional Materials-2020" (ICFM-2020), organized by Materials Science Centre, IIT Kharagpur.

06.03.2020, Dr. Biswajit Dey acted as a resource person and delivered an invited talk on "Gels: ntriguing Materials for Nano-Bio Technology, Semiconducting Diode Fabrication, and Catalysis" in the Faculty Development Program (FDP) on "Materials for Sustainable and Renewable Energy" under Short Term Training Program (STTP) under TEQIP III Project Organized by Dumka Engineering College, Dumka, Jharkhand-814101.

#### **Ongoing Research Projects in the Department:**

Name of Teacher: **Prof. Pranesh Chowdhury**

Name of the project: Design and synthesis of water soluble conjugate polymers for colorimetric, fluorescent and photo-thermal probes

Sponsoring Agencies: CSIR New Delhi

Amount sanctioned: 36.6 Lakhs

Duration of the project: Three Years (2017-2020)

Name of Teacher: **Prof. Pranesh Chowdhury**

Name of the project: Designed synthesis of ultra-bright water-soluble conjugate polymers to explore its colorimetric, fluorescent and photo-thermal sensing property

Sponsoring Agencies: DST, SERB, New Delhi

Amount sanctioned: 38.7 Lakhs

Duration of the project: Three Years (2017-2020)

Name of Teacher: **Prof. Pranesh Chowdhury**

Name of the project: Natural polymer-g-co/ter-polymer interpenetrating polymer network hydrogels for drug delivery applications: synthesis and characterization

Funding Agencies: UGC, New Delhi

Amount Sanctioned: 6.21 Lakhs

Duration of the project: Three years (2018-2021)

Name of Teacher: **Prof. Pranesh Chowdhury**

Name of the project: Water-soluble fluorescent polymer: Synthesis, characterization and bio-analytical application

Funding Agencies: SERB, New Delhi

Amount Sanctioned: 9.60 L

Duration of the project: Three years (2018-2021)

Name of Teacher: **Prof. Swapan K. Chandra**

Name of the project: "Magnetically Promising Homo and Heterometallic Molecules"

Sponsoring Agencies: Department of Science & Technology, Govt. of West Bengal

Amount sanctioned: Approx. Rupees 10.4 Lakhs

Duration of the project: Three Years (01.04.2016- 31.03.2019)

Name of Teacher: **Prof. Swapan K. Chandra**

Name of the project: "Exploring Flexible Chelates as Platform for Multimetallic Compounds: A Detailed Investigation on their Synthesis, Characterization and Applications as Chemo- and Bio-Sensors".

Sponsoring Agencies: CSIR, New Delhi  
Amount sanctioned: Approx. Rupees 10 Lakhs  
Duration of the project: Three Years (2019-2022)

Name of the teacher: **Prof. Pranab Sarkar**

Name of the Project: Computational Studies on the Catalytic Activities of (Al<sub>2</sub>O<sub>3</sub>)<sub>n</sub> Nanoclusters for Various Organic Reactions

Sponsoring Agencies: CSIR New Delhi.

Amount Sanctioned: 12 L

Duration of the project: May, 2017-April, 2020

Name of the teacher: **Prof. Pranab Sarkar**

Name of the Project: Time domain density-functional tight-binding simulation of inorganic-organic nanohybrids - A search for better photovoltaic devices

Sponsoring Agencies: DST Nano Mission, New Delhi.

Amount Sanctioned: 67 L

Duration of the project: 2017-2020

Name of the teacher: **Prof. Pranab Sarkar**

Name of the Project: Electronic Structure and Transport properties of Inorganic-Organic Nanocomposites

Sponsoring Agencies: BRNS, DAE, Mumbai.

Amount Sanctioned: 30 L

Duration of the project: 2018-2021

Name of the teacher: **Prof. Goutam Brahmachari**

Name of the Project: Studies on the chemical constituents and biological activities of *Casiasophora* Linn. (Caesalpiniaceae) - an important Indian medicinal plant

Sponsoring Agencies: CSIR, New Delhi.

Amount Sanctioned: 20 L

Duration of the project: 3 yrs

Name of the teacher: **Prof. Goutam Brahmachari (Co-PI)**

Name of the Project: Pharmacokinetics and toxicology of toxins in boiled aqueous extract of *Cleistanthus collinus* leaves.

Sponsoring Agencies: DBT, New Delhi

Amount Sanctioned: 39.62 L

Duration of the project: 3 yrs

Name of the teacher: **Prof. Adinath Majee**

Name of the Project: "Preparation and Application of Imidazolium Based Zwitterion and Ionic Liquid as Organocatalyst in Organic Synthesis with Special Emphasis on Epoxide and Aziridine Chemistry in Green Aspects"

Sponsored Agency: CSIR, Govt. of India Ref. No. 02(0383)/19/EMR-II dated 20-05-2019

Amount Sanctioned: Rs. 26,00,000/-

Duration of the project: 3 yrs

Name of the teacher: **Dr. Alakananda Hajra**

Name of the Project: Exploration of aprotic imidazolium based zwitterions as organocatalyst in organic synthesis

Agencies: DST, GoWB

Amount Sanctioned: 12 L

Duration of the project: 3 yrs (2016-19)

Name of the teacher: **Dr. Alakananda Hajra**

Name of the Project: Transition metal-catalyzed Asymmetric C-H Functionalization: Synthesis of Enantioenriched Building Blocks

Agencies: DST, SERB

Amount Sanctioned: 45 L

Duration of the project: 3 yrs (2016-19)

Name of the teacher: **Dr. Alakananda Hajra**

Name of the Project: Development of new functional materials and green routes for efficient and stable organic photovoltaic devices

Agencies: DST (Indo-Russian Joint Project), Collaboration with ISERC, Visva-Bharati; JNCASR, Bangalore and IACS, Kolkata

Amount Sanctioned: 61 L

Name of the teacher: **Dr. Alakananda Hajra**

Name of the Project: Visible light organophotoredox catalysis: towards an environmentally friendly approach to organic synthesis

Agencies: CSIR, New Delhi.

Amount Sanctioned: 23 L

Duration of the project: 3 yrs (2017-20)

Name of the teacher: **Dr. Alakananda Hajra**

Name of the Project: The design, synthesis and evaluation of antiproliferative activity of novel fused N-heterocyclic derivatives of steroids

Agencies: DST (Indo-Russian Joint Project)

Amount Sanctioned: 24 L

Duration of the project: 2 yrs (2017-19)

Name of the teacher: **Dr. Md. Motin Seikh**

Name of the Project: A concerted drive towards ambient pressure synthesis and physical characterization of multiferroic quadruple perovskites A'A3B4O12

Agencies: DST, SERB

Amount Sanctioned: 37 L

Duration of the project: 3 yrs (2016-19)

Name of the Teacher: **Dr. Bula Singh**

Name of the Project: Metal-Drug complexes: synthesis, characterization and application, an integral approach

Sponsoring Agency: DST, New Delhi

Amount sanctioned : 18 L

Duration of the Project: Three Years

Name of the teacher: **Dr. Biswajit Dey**

Name of the Project: Synthesis, characterization and search the functionality of supramolecular networks of few selective metal ions with N,O-donor organic ligands in water media

Sponsoring Agencies: CSIR, New Delhi.

Amount Sanctioned: 16.5 L

Duration of the project: 3 yrs

Name of the teacher: **Dr. Biswajit Dey**

Name of the Project: Exploration of different applications of functional supramolecular metal-organic crystals and gel materials

Sponsoring Agencies: DST, WB

Amount Sanctioned: 3 L

Duration of the project: 3 yrs

Name of the teacher: **Dr. Prithidipa Sahoo**

Name of the Project: "Water soluble Fluorescent Chemosensors: Design, Synthesis and exploration of their Biological Application for Specific Recognition with Purine, Pyrimidine Derivatives and Nucleotides"

Sponsoring Agencies: CSIR, New Delhi.

Amount Sanctioned: 22 L

Duration of the project: 3 yrs

Name of the Project Investigator: Dr. Kuheli Chakraborty, DST Woman Scientist

Name of the Mentor: **Dr. Gourab Kanti Das**

Name of the Project: Computational studies on the transition metal catalyzed C-C and C-H bond activation with special emphasis on Iridium, Platinum and Gold catalyzed reactions

Sponsoring Agency: DST, New Delhi

Amount sanctioned : 18 L

Duration of the Project: Three years

**Extension activities/NSS/Cultural and other activities organized by the department and participated by the teachers and students of the department.**

- (i) Involved in organizing and celebrating Teacher's Day in the Department with the students.
- (ii) Involved in celebrating "Gandhi Punnahaya" on 10th March with the students.
- (iii) Involved in student's counseling and placement for Ph. D.
- (iv) Involved in organizing Student's Farewell Program in the Department with the students and had taken the responsibility of reaching all the girl students to their respective hostels after evening program.
- (v) Involved with the Departmental Football and Cricket Team during Inter-departmental competition (as a teacher giving encouragement).

**Academic distinctions gained by teachers/Scholars or the department as a whole (Like recognition as D.S.A or C.A.S. etc.)**

- (a) **Prof. Adinath Majee** has been awarded CRSI Bronze medal for the year 2020
- (b) **Dr. Prithidipa Sahoo** has been awarded
  - (i) Professor Asima Chatterjee Best Scientist Award- 2020
  - (ii) NESAScientist of the year-2019, National Environment Science Academy
- (c) **Prof. Goutam Brahmachari** has been awarded
  - (i) INSA (Indian National Science Academy) Teachers Award - 2019 (New Delhi, India)
  - (ii) Associate Editor, Current Green Chemistry (2017 - to date)
  - (iii) Elsevier Editor for the Book Series 'Natural product Drug Discovery'
  - (iv) Prof. Goutam Brahmachari has been continuing as
    - Member, Editorial Advisory Board, Current Catalysis (2014 - to date)
    - Member, Editorial Advisory Board, Rasayan Journal of Chemistry (2014 - to date)
    - Member, Editorial Advisory Board, Journal of Biochemistry and Molecular Biology Research (2014- to date)
    - Member, Editorial Advisory Board, Current Organocatalysis(2015 - to date)
    - Member, Editorial Advisory Board, Journal of Scientific Research and Advances (2015 - to date)
    - Member, Editorial Advisory Board, BOAJ Chemistry (2015 - to date)
    - Member, Editorial Advisory Board, Iranian Chemical Communications (2016 - to date)
- (v) Who's Who in the World-2019 Listee (Marquis, USA)
- (d) **Prof. P. Chowdhury**, Member, Editorial Advisory Board, Journal of Polymer Materials (2016 to till date)
- (e) **Prof. Swapan K Chandra** "Ru(II)-based antineoplastic: A "wingtip" N<sup>?</sup>heterocyclic carbene facilitates access to a new class of organometallics that are cytotoxic to common cancer cell lines, A. Mondal, R. K. Tripathy, P. Dutta, M. K. Santra, A. A. Isab, C. W. Bielawski, H. K. Kisan, S. K. Chandra and J. Dinda, Appl. Organomet. Chem.,2018, e4692. Is the most downloaded paper in the year 2018-19.
- (f) **Dr. Kuheli Chakrabarty**: Visited the Department of Chemistry, University of La Plata, Argentina, under the UNESCO-TWAS Associateship Program during 20.10.2019 to 04.12.19.

**Publications within the year April 2019- March 2020**

**(i) Books**

Goutam Brahmachari, Total Synthesis of Bioactive Natural Products, Academic Press (Elsevier), Amsterdam, Netherlands, May 2019; ISBN: 9780081028223

Goutam Brahmachari (Editor), Discovery and Development of Anti-Inflammatory Agents from Natural Products (Natural Product Drug Discovery Series - Vol. 4), Elsevier, 2019. ISBN: 9780128169926

Goutam Brahmachari (Editor), Discovery and Development of Therapeutics from Natural Products Against Neglected Tropical Diseases (Natural Product Drug Discovery Series - Vol. 3), Elsevier, April, 2019. ISBN: 978-0-12-815723-7

## **(ii) Book Chapters**

Goutam Brahmachari (2019). Discovery and development of anti-inflammatory agents from natural products: an overview. In. Natural Product Drug Discovery Series -Vol. 4: Goutam Brahmachari (ed.), Elsevier, pp.1-6.

Goutam Brahmachari (2019). 6-Gingerol: a therapeutically potent lead candidate in anti-inflammatory drug discovery. In. Natural Product Drug Discovery Series -Vol. 4: Goutam Brahmachari (ed.), Elsevier, pp. 283-295.

Goutam Brahmachari (2020). Green synthetic approaches in organophosphorus Chemistry: recent developments, In. RSC Specialist Periodical Report - Organophosphorus Chemistry -Vol. 49, David W. Allen, David Loakes John Tebby (eds), pp. 377-390.

Alakananda Hajra (2019) Cross Dehydrogenative Coupling in the Synthesis and Functionalization of Fused Imidazoheterocycles (Heterocycles via Cross-Dehydrogenative Coupling; Springer; ISBN: 978-981-13-9143-9).

A. Pramanik, S. Sarkar and P. Sarkar, (2020), Charge transport through nanocontacts, In: Chemical Modelling: Applications and Theory, Royal Society of Chemistry, Vol. 15, pp. 70-130.

## **Research papers in peer reviewed journals (National and International).**

Influence of noise-binding energy interplay on DC-Kerr effect and electro-absorption coefficient of impurity doped quantum dots. A. Ghosh, S. M. Arif, M. Ghosh, Heliyon, 2019, 5, e01832.

Influence of noise-binding energy interplay on the second and third-order nonlinear optical properties of impurity doped quantum dots. A. Ghosh, S. M. Arif, M. Ghosh, Heliyon, 2019, 5, e01785.

Impurity related optical properties in tuned quantum dot/ring systems. S. Pal, M. Ghosh, C. A. Duque, Philosophical Magazine, 2019, 99, 2457-2486.

Role of noise-binding energy interplay on Stark shift and dipole polarizabilities of impurity doped quantum dots. A. Bera, A. Ghosh, M. Ghosh, Journal of Optoelectronics & Advanced Materials, 2019, 21, 499-504.

Magnetic susceptibility of doped quantum dots: Interplay between binding energy and noise. A. Ghosh, S. M. Arif, M. Ghosh, Biointerface Research in Applied Chemistry, 2020, 10, 5376-5381.

Profiles of static quadrupole polarizability of impurity doped quantum dots driven by Gaussian white noise. A. Ghosh, S. M. Arif, A. Bera, M. Ghosh, Physica Status Solidi B, 10.1002/pssb.201900766.

Analyzing role of relaxation time on second harmonic generation and optical dielectric function of impurity doped quantum dots under the aegis of noise. S. M. Arif, A. Bera, A. Ghosh, M. Ghosh, Physica B, 2020, 588, 412166.

Transition kinetics of impurity doped quantum dots under time-dependent confinement potential: role of noise. A. Ghosh, S. M. Arif, A. Bera, M. Ghosh, Eur. Phys. J. B, 2020, 93, 91.

Transition kinetics of impurity doped quantum dots under time-varying magnetic field: Role of noise. A. Bera, A. Ghosh, S. M. Arif, M. Ghosh, Superlattices and Microstructures, 2020, 143, 106554.

Dramatic luminescence signal from a Co(II)-based metal-organic compound due to the construction

of charge-transfer bands with  $Al^{3+}$  and  $Fe^{3+}$  ions in water: steady-state and time-resolved spectroscopic studies. P. Daga, P. Majee, D. K. Singha, P. Manna, S. Hui, A. K. Ghosh, P. Mahata, S. K. Mondal, *New Journal of Chemistry*, 2020, 44, 4376-4385.

Luminescent metal-organic framework-based phosphor for the detection of toxic oxoanions in an aqueous medium. D. K. Singha, P. Majee, S. Hui, S. K. Mondal, P. Mahata, *Dalton Transactions*, 2019, 46, 301-328

Can remote N-heterocyclic carbenes be used for designing efficient blue triplet emitters? An answer from quantum chemical investigation. S. Urinda, G. Das, A. Pramanik and P. Sarkar *J. Phys. Chem. C*, 2019, 123, 14216-14222.

Edge-modified phosphorene antidot nanoflakes and their van der Waals heterojunctions for solar cell applications. M. Kar, R. Sarkar, S. Pal and P. Sarkar, *J. Phys. Chem. C*, 2019, 123, 20748-20756.

The role of chalcogens in the exciton relaxation dynamics of chalcogenol functionalized CdSe QD: a time-domain atomistic simulation. M. Habib, M. Kar, S. Pal and P. Sarkar *Chem. Mater.*, 2019, 31, 4042-4050.

Periodically-ordered one and two dimensional CdTe QD superstructures: a path forward in photovoltaics, M. Kar, B. Rajbanshi, R. Sarkar, S. Pal and P. Sarkar, *Phys. Chem. Chem. Phys.*, 2019, 21, 19391-19402.

Mechanistic insights into the non-bifunctional hydrogenation of ester by Co(II) pincer complexes: a DFT study, A. Chowdhury, S. Biswas, A. Pramanik and P. Sarkar, *Dalton Trans.*, 2019, 48, 16083-16090.

$CH_3NO$  as a potential intermediate for early atmospheric HCN: a quantum chemical insight, S. Ghosal, A. Pramanik, S. Biswas, P. Sarkar *Phys. Chem. Chem. Phys.*, 2019, 21, 25126-25138.

Bulky, dendronized iridium complexes and their photoluminescence, G. Zhang, F. Hermerschmidt, A. Pramanik, D. Schollmeyer, M. Baumgarten, P. Sarkar, Emil J. W. List-Kratochvil and Klaus Milen, *J. Mater. Chem. C*, 2019, 7, 15252-15258

Two-dimensional covalent triazine framework as a promising anode material for Li-Ion batteries, B. Ball, C. Chakravarty, and P. Sarkar, *J. Phys. Chem. C*, 2019, 123, 30155-30164.

Bis (iminothiolato)-based one dimensional metal-organic framework: robust bipolar magnetic semiconductor with reversal of spin-polarization, C. Chakravarty, B. Mandal, and P. Sarkar, *J. Phys. Chem. C*, 2020, 124, 37-43.

Silicon and phosphorous co-doped bipyridine-linked covalent triazine framework as a promising metal-free catalysts for hydrogen evolution reaction: a theoretical investigation, B. Ball, C. Chakravarty, and P. Sarkar, *J. Phys. Chem. Lett.*, 2020, 11, 1542-1549.

Insight on nano-platinum-catalyzed dehydrogenation of quercetin in presence of peroxide, R. S. Das, B. Singh, *J. Nanoparticle Res.*, 2019, 21, 4712.

Synthesis, spectroscopic, theoretical and antimicrobial studies on molecular charge-transfer complex of 4-(2-thiazolylazo)resorcinol (TAR) with 3, 5-dinitrosalicylic acid, picric acid, and chloranilic acid, A. Karmakar, P. Bandhopadhyay, S. Banerjee, N C Mandal and B. Singh, *J. Mol. Liquids*, 2020,



299,112217.

Studies on the oxidative degradation of paracetamol by a  $\mu$ -oxo-diiron(III) complex, B. Singh, R. S. Das, Canadian J Chem., 2020, 98, 98-105.

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### **Designing New Course/Curriculum or any other teaching innovations introduced by the department.**

We have revised the M. Sc. Syllabus and waiting for the approval of the Academic Council.

UG & PG- Primarily we preferred usual chalk-board method. But there are many topics we introduced through slide show.

Ph. D. Course Works- Primarily through slide show presentation.

A brief history on the development of the Bhavana/Sadana/ Vibhaga concerned with an indication of the future plans for development.

The Department of Chemistry since its inception has the vision of making the department, a leading centre of chemistry teaching and research in the country. The Dept. has got generous support from UGC through UGC SAP and from DST through DST-FIST program. We have finished FIST Level 0 and Level 1 program and has got the support at FIST level 2. Considering the expertise of the faculty members the Dept. has identified the thrust area "Nanomaterials for the betterment of environment and human health" in the following years.

Apart from this we will be actively involved in the development of synthetic methodologies for functional organic molecules, polymers etc. There are also researches on different aspects of non-equilibrium statistical mechanics and quantum chemistry.

### **Particulars in details of the department Library**

(a) Area in (sq. meters) quoted for the library: 70 sq. meters (class room cum library)

(b) Is there separate provision for reading room? No

(c) Total No of books: 918

(d) Total number of books purchased during the year: 40

(e) Total number of Periodicals: 500

(f) Total number of Periodicals purchased during the year: Nil

(g) Total number of readers: 300

(h) Total number books and periodicals issued:20

(i) Total number of Staff-members: Nil.

### **Any other relevant information**

#### **Beyond our syllabus scholarly activities we performed the followings:**

(i) Student's seminar and group discussion on some advanced topics of chemistry have been introduced. Students are encouraged to make power point presentation to discuss their topics.

(ii) Resourceful person and ex-students (distinguished alumni of the department) are invited to interact with the present student and faculties for well directed motivations.

(iii) Display of wall magazine at regular interval is a well known practice of our department.

## Department of Mathematics

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.

Registration no./ Names of students  
Roll no. for the exam selected/qualified

### NET

426429	Sayan Banik
425871	Kuntal Mandal
425573	Debjani Mondal
420208	Nandita Barman
426058	Nanda Kanan Pal
425539	Abhishikta Das
424946	Tarak Nath Mal
424912	Nirapada Santra
425705	Sumit Ghosh

### GATE

MA19S44036002	Subrata Dey
MA19S44036006	Deb Narayan Barik
MA19S44035006	Sayan Banik
MA19S44034172	Suparna Ghosh
MA19S44034119	Ruma Kumbhakar
MA19S44035173	Sk. Mosaraf Ahammed
MA19S44034067	Satyajit Kundu
MA19S44036094	Jyoti Turi
MA19S44036054	Sanjoy Mandal
MA19S44036102	Ishita Ghosh
MA19S44034151	Sumit Ghosh
MA19S44036022	Nirmalya Chakraborty
MA19S44035043	Abhishikta Das

### Departmental Seminar (Speakers, Title of the Seminar, Date)

Nothing in particular to mention

**Only National and International standard Conference /Seminar /Workshop / Exhibition etc.Details of chairing/evaluation/presentation made by Teachers/Research Scholars.**

- 24.10.2019-26.10.2019 A. P. Misra participated and delivered an invited talk titled "Mathematical theory and structures of nonlinear waves in plasmas" in the international conference on applied mathematics in science and engineering, SOA University, Bhubaneswar, India.
- 4.11.2019-8.11.2019, A. P. Misra participated and delivered an invited talk by titled "Stimulated scattering in relativistic plasmas" in the 3rd Asia-Pacific conference on plasma physics (AAPPs-DPP2019, Hefei, China.



- (c) 11.11.2019-14.11.2019, A. P. Misra acted as a committee member in the 12th international conference on plasma science and applications (ICPSA, 2019,), University of Lucknow, India.
- (d) 17.11.2019-22.11. 2019, A. P. Misra participated and delivered an invited talk titled "Stimulated Raman and Brillouin scattering instabilities in degenerate plasmas" in the 14th Asia-Pacific Physics Conference (APPC, 2019), Kuching, Malaysia.
- (e) 23.12.2019-25.12.2019, A. P. Misra delivered an invited talk titled "Mathematics and its application in nonlinear sciences" in the celebration of National Mathematics Day (132nd Birth anniversary of Ramanujan,), Deptt. of Appl. Maths. with Oceanology and Computer Programming, Vidyasagar University, India.
- (f) 27.01.2020-29.01.2020 A. P. Misra participated and delivered an invited talk titled "Mathematical theory and structures of nonlinear waves in fluids and plasmas" in the International conference on Mathematical sciences and applications (ICMA-2020,), Department of Mathematics, Sacred Heart College, Tirupattur, India.
- (g) 17.12.2019-19.12.2019, A. K. Bhuniya participated and delivered an invited talk titled "On the orthodox semirings which are union of rings" in the International conference on Algebra and related topics with applications, Department of Mathematics, Aligarh Muslim University.
- (h) 20.12.2019-22.12.2019, A. K. Bhuniya participated and delivered an invited talk titled "On the variety of orthorings" in the International Conference on recent advances on Algebra, Analysis and Applications, Department of Mathematics and Statistics, Mohanlal Sukhadia University, Udaipur.
- (i) 18.02.2020-24.02.2020, L. N. Guin participated in the Short Term Course on Health and Stress: Problem and Remedies UGC Academic Staff College, The University of Burdwan, Burdwan-713104, West Bengal, India.
- (j) 20.07.2019-22.07.2019) M. M. Panja participated and delivered an invited talk in the International Conference on Numerical Analysis and Differential Equations with Applications held at Department of Mathematics, Siksha-O-Anusandhan, Bhubaneswar, Odisha.
- (k) 20.01.2020-22.01.2020, Anirban Kundu participated in the International Conference on analysis, algebra, combinatorics and their applications organised by the Department of Mathematics, Jadavpur University, Kolkata.
- (l) 20.12.2019-22.12.2019, Subhendu Ghosal participated and presented a paper titled "Fuzzy sesquilinear form and its properties" in the International Conference on Advances in Higher Mathematics, Mathematical Sciences and Mathematical Modelling, organised by Calcutta Mathematical Society, Kolkata.
- (m) 09.01.2020-11.01.2020, Subhendu Ghosal participated and presented a paper titled "Fuzzy real sesquilinear form and its properties" National Seminar on Mathematical Sciences (NSMS-2020), Organised by:- Department of Mathematics, The University of Burdwan, Burdwan.
- (n) 5.02.2020-7.02.2020, Arunima Majumder participated and presented a paper titled "Some fixed point theorems in fuzzy strong b-metric spaces" in the 3<sup>rd</sup> International Conference on Engineering Mathematics organised by Haldia Institute of Technology, Haldia, West Bengal.
- (o) 17.11.2019-22.11.2019, Sima Roy participated and presented a poster titled "Stability of electromagnetic solitons in relativistic plasmas" in the 14th Asia-Pacific Physics Conference (APPC2019,), Kuching, Malaysia.

## Ongoing Research Projects in the Department

Name of the teacher	Name of the Project	Sponsoring Agencies	Amount Sanctioned
Amar Prasad Misra	Major research project titled "Electromagnetic solitons and nonlinear Landau damping in plasmas"	Science & Engineering Research Board (SERB)	19,14,948.00

## Extension activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department.

Dr. Lakshmi Narayan Guin acted as a programme coordinator in NSS, Siksha Bhavana Unit, VisvaBharati for various activities, namely Poush Mela Camp, Blood Donation Camp, Yoga Day Celebration, Republic Day Celebration etc., and more than 50 students have participated in such activities.

Teacher's day was celebrated followed by a cultural programme on 5<sup>th</sup> September 2018 in the Department of Mathematics organized by the students of the Department of Mathematics.

## Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

Nothing in particular to mention

Publications within the year April 2019- March 2020

3. Text books: Wavelet Based Approximation Schemes for Singular Integral Equations by M. M. Panja and B. N. Mandal, ISBN/ISSN no. 13: 978-0-3671-9917-3, CRC Press.

## Departmental Publication:

Individual Publication:a) Single author b) Joint authors (of the same Department)

Unsteady magneto-bioconvection flow of chemically reactive Powell Eyringnanofluid having gyrotactic microorganisms over an inclined stretching sheet with non-uniform heat source/sink and thermal radiation, Dulal Pal and Surya Kanta Mondal, Journal of Nano fluids 8(4), 703-713 (2019)

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Heat and Mass flow in Lid-driven Magneto hydrodynamic Double Diffusive Natural Convection of Nanofluid within a Trapezoidal Enclosure, Bikash C. Saha, T.R. Mahapatra, Dulal Pal, Journal of Nanofluids 8(4), 817-829 (2019).

Magneto hydrodynamic nonlinear thermal radiative heat transfer of nanofluid over a flat plate in a porous medium in existence of variable thermal conductivity and chemical reaction, Dulal Pal, Gopinath Mandal, International Journal of Ambient Energy. <https://doi.org/10.1080/01430750.2019.1592776>, online: 08 Apr 2019

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in Al<sub>2</sub>O<sub>3</sub>-Nanofluid Saturated with Porous Medium, Bikash C. Saha, T. R. Mahapatra, and Dulal Pal, *Journal of Nanofluids* 8 (5), 1020-1033 (2019)

Dulal Pal, Netai Roy, Influence of non-linear thermal radiation stagnation point flow of Casson nano fluid towards a cylindrical surface with non-uniform heat source/sink and magnetic field, *Journal of Nanofluids* 8(6), 1201-1212 (2019).

Magneto-bioconvection of Powell Eyring nanofluid over a permeable vertical stretching sheet due to gyrotactic microorganisms in the presence of nonlinear thermal radiation and Joule heating, Dulal Pal, Surya Kanta Mondal, *International Journal of Ambient Energy*. Doi :10.1080/01430750.2019.1679253. Published online: 22 Oct 2019.

Combined performance of non-linear thermal radiation and chemical reaction on MHD convective heat and mass transfer of a micropolar fluid over a non-isothermal surface, Dulal Pal and Bhuban Das, *International Journal of Ambient Energy*. <https://doi.org/10.1080/01430750.2019.1613675> .online: 14 Jun 2019.

Entropy generation analysis of magnetohydrodynamic convective heat transfer of non-Newtonian Jeffrey nanofluid flow over a stretching sheet with nonlinear thermal radiation using spectral quasilinearization Method, Dulal Pal, Sagar Mondal and Hiranmoy Mondal, *International Journal of Ambient Energy*. DOI: 10.1080/01430750.2019.1614984. Online: 28 May 2019.

Convective-radiative double-diffusion heat transfer in Power-law fluid due to a stretching sheet embedded in non-Darcy porous media with Soret-Dufour effects, Dulal Pal and Sewli Chatterjee, *Int. J. Comp. Method. Engg. Sci. Mechanics*. Volume 20, Issue 4, Pages 269-282, 2019.

Magnetohydrodynamic viscous-Ohmic dissipation performance on unsteady convective heat transfer over a stretching surface in existence of internal heat generation/absorption, Dulal Pal, *International Journal for Computational Methods in Engineering Science & Mechanics* Vol. 20, No. 4, 308-318, 2019.

Thermophoresis and Brownian motion effects on magneto-convective heat transfer of viscoelastic nanofluid over a stretching sheet with nonlinear thermal radiation, Dulal Pal and Netai Roy and K. Vajravelu, *International Journal of Ambient Energy* <https://doi.org/10.1080/01430750.2019.1636864>, Published online: 18 Jul 2019.

Heat and mass transfer in thin nanoliquid film over an unsteady stretching sheet in a porous medium with chemical reaction and thermal radiation, Dulal Pal, Debranj Chatterjee, and Surya Kanta Mondal, *International Journal of Ambient Energy* (Published online 9.10.2019), <https://doi.org/10.1080/01430750.2019.1676308>.

Computational analysis of bioconvective flow of nanofluid containing gyrotactic microorganisms over a nonlinear stretching sheet with variable viscosity using HAM, Dulal Pal, Surya Kanta Mondal, *Journal of Computational Design and Engineering* , Volume 7, Issue 2, Pages 251- 267, 2020.

Mathematical Analysis for Brownian motion of nonlinear thermal bioconvective stagnation point flow in a nanofluid using DTM and RKF. Dulal Pal, Surya Kanta Mondal, *Journal of Computational Design and Engineering*, Volume 7, Issue 3, Pages 294-307, 2020.

Polarized Debye Sheath in Degenerate Plasmas, M. Shahmansouri and A. P. Misra, *Commun. Theor. Phys.* 71 (2019) 1341-1345.

Synchronization in networks of coupled hyperchaotic CO<sub>2</sub> lasers, Animesh Roy, A. P. Misra, and Santo Banerjee, *Phys. Scr.* 95 (2020) 045225 (11pp).

Generation of wakefields and electromagnetic solitons in relativistic degenerate plasmas, Sima Roy, Debjani Chatterjee and A. P. Misra, *Phys. Scr.* 95 (2020) 015603 (7pp).

A predator-prey model with Crowley-Martin response for predation, Nijamuddin Ali, Krishnendu Sarkar and Lakshmi Narayan Guin; *International Journal of Ecological Economics & Statistics (IJEES)*, Vol 40, No. 2, pp. 38-48, 2019.

Ratio-dependent predator-prey model with Qiwu's growth for prey, Nijamuddin Ali, Krishnendu Sarkar and Lakshmi Narayan Guin; *International Journal of Ecological Economics & Statistics (IJEES)*, Vol 40, No. 3, pp. 50-58, 2019.

Dynamical Response of Atherosclerotic Plaque Through Mathematical Model, Debasmita Mukherjee, Lakshmi Narayan Guin and Santabrata Chakravarty; *Biophysical Reviews and Letters (BRL)*, Vol 14, No. 04, pp. 217 (26 pages), 2019, DOI: 10.1142/S1793048019500036.

A reaction-diffusion mathematical model on mild atherosclerosis, Debasmita Mukherjee, Lakshmi Narayan Guin and Santabrata Chakravarty; *Modeling Earth Systems and Environment (MESE)*, , Vol 05, pp. 1853-1865, 16 September, 2019, DOI 10.1007/s40808-019-00643-6.

Dynamical Behaviour of a Mathematical Model of Early Atherosclerosis, Debasmita Mukherjee, Lakshmi Narayan Guin and Santabrata Chakravarty; *International Journal of Modeling, Simulation and Scientific Computing*, Vol 11, No. 01, 2020, pp. 2050006 (23 pages), DOI: 10.1142/S1793962320500063.

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Dynamic Response of Evolved Atherosclerotic Plaque Model and its Stability, Debasmita Mukherjee, Lakshmi Narayan Guin and Santabrata Chakravarty; *International Journal of Ecological Economics & Statistics (IJEES)*, Vol 41, No. 1, 2020.

Cross-diffusion-driven pattern formation and selection in a modified Leslie-Gower predator-prey model with fear effect, Renji Han, Lakshmi Narayan Guin and Binxiang Dai; *Journal of Biological Systems (JBS)*, Vol. 28, No. 1, pp. 1-38, 2020

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Computational model of stent-based delivery from a half-embedded two-layered coating, Sarifuddin, S. Roy, and P. K. Mandal, *Computer Methods in Biomechanics and Biomedical Engineering* (2020) <https://doi.org/10.1080/10255842.2020.1767775>.

Solute dispersion in Casson fluid flow through a stenosed artery with absorptive wall, Prosanjit Das, Sarifuddin and P. K. Mandal, *Journal of Applied Mathematics and Physics (ZAMP)* 71, 100 (2020), <https://doi.org/10.1007/s00033-020-01322-8>.

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A three species food chain model with fear induced trophic cascade Pijush Panday, Nikhil Pal, Sudip Samanta, Joydev Chattopadhyay, *International Journal of Applied and Computational Mathematics*, 5:100 (2019).

Effect of hunting cooperation and fear in a predator-prey model, Saheb Pal, Nikhil Pal, Sudip Samanta, Joydev Chattopadhyay, *Ecological Complexity*, 39:100770 (2019).

Delay induced multiple stability switch and chaos in a predator-prey model with fear effect, Pijush Panday, Sudip Samanta, Nikhil Pal, Joydev Chattopadhyay, *Mathematics and Computers in Simulation*, 172: 134-158 (2020).

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A discrete-time model with non-monotonic functional response and strong Allee effect in prey, Ziyad Al Sharawi, Saheb Pal, Nikhil Pal, Joydev Chattopadhyay, *Journal of Difference Equations and Applications*, 26(3): 404-431 (2020).

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Wavelet-based numerical techniques for 1D peristaltic problems in infinite domain, Debabrata Singh, M. M. Panja, *Math Meth Appl Sci.* 1-18, 2020.

On relative order of composite function with respect to a composite function, Dibyendu Banerjee and Mithun Adhikary, *International Journal of Mathematics Trends and Technology*, 65(7) (2019), 338-351.

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On the existence of generalised fix points of functions of class II, Dibyendu Banerjee and Sumanta Ghosh, "South East Asian J. of Mathematics and Mathematical Sciences, 15(2) (2019), 43-58.

On relative fix points of functions of class II, Dibyendu Banerjee and Sumanta Ghosh, *International Journal of Mathematics Trends and Technology*, 65(11) (2019), 103-114.

Some results on composition of three entire functions, Dibyendu Banerjee and Mithun Adhikary, "South East Asian J. of Mathematics and Mathematical Sciences, 15(3) (2019), 23-40.

k-relative fix points of functions of class II, Dibyendu Banerjee and Sumanta Ghosh *Asian Journal of Mathematics and Applications*, (2020), 9 pages.

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Study on growth of k-iterated entire functions, Dibyendu Banerjee and Sumanta Ghosh, *South East Asian Journal of Mathematics and Mathematical Sciences*, 16(1) (2020), 189-206.

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On the spectrum of linear dependence graph of a finite dimensional vector space, S. Maity and A. K. Bhuniya, *EJGTA* 7 (1)(2019), 43-59.

On metrizable and normability of 2-normed spaces, Anirban Kundu, T. Bag, Sk. Nazmul, *Mathematical Sciences*, Vol. 13 ( 2019 ), 69-77.

Hahn-Banach Extension theorem in Generalized fuzzy normed linear space, S. Chatterjee, T. Bag, *The Journal of Fuzzy Mathematics*, Vol. 27(4) (2019), 775-804.

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Three-Soliton Interaction and Soliton Turbulence in Superthermal Dusty Plasmas. R. Ali and P. Chatterjee, *Z. Naturforschung A* 74, 9 (757).

Effect of Dust Ion Collision on Dust Ion Acoustic Solitary Waves for Nonextensive Plasmas in the Framework of Damped Korteweg-de Vries-Burgers Equation, N. Paul, K.K. Mondal and P.

Chatterjee, Z. *Naturforschung A* 74, 10 (861).

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Propagation of Ion-Acoustic Solitary Waves for Damped Forced Zakharov Kuznetsov Equation in a Relativistic Rotating Magnetized Electron-Positron-Ion Plasma, K.K.Mondal, A. Roy, P. Chatterjee and S. Raut, *Int. J. Appl. Comput. Math* 6, 55 (2020).

Analysis of Solution of Damped Modified-KdV Equation on Dust-Ion-Acoustic Wave in Presence of Superthermal Electrons, A. Paul, G. Mandal, M.R. Amin and P. Chatterjee, *Plasma Physics Reports* 46, 83 (2020).

Analysis of the solution of the modified KdV equation with attenuation for a dust ion-sound wave in the presence of superthermal electrons, A. Paul, G. Mandal, M.R. Amin and P. Chatterjee, *Plasma Physics Reports* 46, 90 (2020).

### **Book chapters:**

The effects of unequal diffusion coefficients on spatiotemporal pattern formation in prey harvested reaction-diffusion systems, Lakshmi Narayan Guin; March, 2020, International Conference on Mathematical Analysis and Application in Modelling (ICMAAM 2018), pp. 279-292, Springer Proceedings, ISBN: 9789811504211; Chapter DOI: 10.1007/978-981-15-0422-8\_24.

Studies on Atherosclerotic Plaque Formation: A Mathematical Approach, March, 2020, International Conference on Mathematical Analysis and Application in Modelling (ICMAAM 2018), Debasmita Mukherjee, Lakshmi Narayan Guin and Santabrata Chakravarty; pp. 307-318, Springer Proceedings, ISBN: 9789811504211; Chapter DOI: 10.1007/978-981-15-0422-8\_26.

Some fixed point theorems in G-fuzzy normed linear spaces, S. Chatterjee, T. Bag, S.K. Samanta, ICITAM 2019, SCI 863 (2020), 87-101.

### **A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development, to be given by the concerned Adhyaksha.**

The Department of Mathematics is the oldest department under Siksha-Bhavana (Institute of Science). It was established in 1961 with the introduction of B. A./B. Sc. (Honours) in Mathematics. Subsequently in 1963, two-year M. A./M. Sc. course in Mathematics was started in the department along with the regular Ph. D. programme.

Currently, the faculty members are engaged in the following areas of research (not limited):

(a) Real Analysis, (b) Complex Analysis, (c) Functional Analysis, (d) Fuzzy Topology, (e) Fuzzy Functional Analysis, (f) Abstract Algebra, (g) Fluid Mechanics, (h) Computational Fluid Dynamics, (i) Atmospheric Sciences, (j) Biomechanics, (k) Plasma Physics (l) Nonlinear Dynamics (m) Chaos based Cryptography and networking (n) Symmetry and Painleve Analysis of differential equations, (o) Artificial Intelligence, (p) Quantum Scattering Theory, (q) Wavelet based Numerical Analysis (r) Nonlinear Differential Equations, (s) Mathematical Pharmacology, (t) Mathematical Biology.

In recognition of the contributions of the faculty members in their fields of research as evidenced in the number and excellent quality of publications in national and international journals of repute, the University Grants Commission (UGC) has brought the Department of Mathematics under its Special

Assistance Programme (SAP) - DRS (Phase - III).

Since its inception in 1961, the department has more than three thousand alumni. They are a key stake-holder in the evolution and growth of the Department. We plan to initiate a lifelong involvement with all students who will continue to be a part of Visva-Bharati community even after their graduation. The department, on the other hand, welcome alumni visit to their department, interaction with students and faculty and possible participation in academic activities of the department.



## Department of Zoology

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.

### **NET qualified: 19**

- 1) Abhijit Singh
- 2) Ajaya Kumar Moharana
- 3) Arnab Sahoo
- 4) Ananya Chatterjee
- 5) Chandrani Mondal
- 6) Debishree Ganguly
- 7) Nandini Garai
- 8) Oindrila Mukherjee
- 9) Pritam Das
- 10) Rintu Mondal
- 11) Sajal Dey
- 12) Sougata Das
- 13) Sreejata Kamila
- 14) Subhadeep Ghosh
- 15) Koushik Kumar Dey
- 16) Nandita Das
- 17) Poulami Das
- 18) Souradeep Dutt
- 19) Sumita Sarkar

### **SLET qualified: 05**

- 1) Arnab Sahoo
- 2) Md. Sahiuddin
- 3) Palash Mukhopadhyay
- 4) Swati Ghosh
- 5) Tamal Das

### **GATE qualified: 07**

- 1) Arnab Sahoo
- 2) Bitharai Nurzery
- 3) Oindrila Mukherjee
- 4) Palash Mukhopadhyay
- 5) Pritam Das
- 6) Sajal Dey
- 7) Sowmadeep Das

### **Departmental Seminar (Speakers, Title of the delivered lecture, Date)**

(i) Speaker: Prof. Jose Manuel Pino Moreno

Department of Zoology, Institute of Biology, National Autonomous University of Mexico

Title of the Seminar: 'Insects as food and medicine in Mexico'

Date: 15.07.2019

(ii) Speaker: Prof. Nilanjan Chatterjee,

COPSS Award Winner and Bloomberg Distinguished Professor in Johns Hopkins

Title of the Seminar: 'Leveraging massive genetic datasets for risk prediction and causal inference'

Date: 24.08.2019

(iii) Speaker: Dr. Mrinal Kanti Basu

Title of the Seminar: 'Introduction of Organic Farming as a Tool for Sustainable and Eco-Friendly Agriculture'

Date: 05.03.2020

National: 02

(i) Title of the Seminar: 'National Seminar on Advancement of Science in the 21st Century' organized by the Department of Zoology in collaboration with The Zoological Society, Kolkata at the Bangladesh-Bhavana, Visva-Bharati.

Date: 28.02.2020 to 29.02.2020

The Department of Zoology, Visva-Bharati organized a Two days' National Seminar on Advancement of Science in the 21st Century' in collaboration with the The Zoological Society, Kolkata at the Bangladesh-Bhavana, Visva-Bharati during February 28-29, 2020. The Seminar comprised of 13 scientific sessions and Keynote Lecture, 2 sessions for Poster presentations and 2 sessions for Oral presentation for Young Scientist Award. Parallel sessions were conducted based on the core themes,

Experimental Ecology, Ecological modelling and Ecotoxicology;

Fish Biology, Fish Nutrition and Aquaculture;

Parasite Diseases and Host Interaction;

Cell Signaling, Genetics, Molecular Biology and Biotechnology;

Insect Biology and Applied Entomology

There were 185 attendees from various Universities and Institutions across India. The Seminar fostered awareness about the recent trends in biological sciences and provided valuable insights to the young researchers about the latest research avenues and techniques. Three Medal awards were given, one for Best Poster, one for Best Oral Presentation for Ph.D. scholars and one for Best Oral Presentation in the category of Post-Doctoral Fellows or Young Faculty.

### **Participation and Presentations by the Faculty of the Department of Zoology**

Prof. Ansuman Chattopadhyay acted as the Convenor and chaired a session.

Prof. Samar Kumar Saha acted as Joint Convenor and chaired a session.

Prof. Dipak Kumar Mandal acted as Treasurer and chaired a session.

Prof. Larisha M. Lyndem acted as Organizing Secretary and chaired a poster session.

Dr. Surjya Kumar Saikia chaired a session.

Dr. Rakesh Kundu delivered an Invited Lecture entitled "Fetuin-A mediated pancreatic beta-cell dysfunction and inflammatory injury".

Dr. Sutapa Mukherjee delivered an Invited Lecture entitled "Recovery of reproductive function in obese mice by olive oil based diet"

### **Participation of the Research Scholars**

Oral presentation by Ms. Arpan Dey Bhowmik entitled "Chronic exposure to environmentally relevant concentration of fluoride alters DNA repair genes Ogg1 and Rad51 expression by epigenetic modification in mice."

Oral presentation by Ms. Shirsha Mondal entitled "Chronic administration of diethyl phthalate in diet induces reproductive impairment in male mice."

Poster presentation by Ms. Sudeshna Mandal entitled "Hymenolepis diminuta alters lactic acid fermented bacteria colonization in small intestine of Swiss Albino rat."

Poster presentation by Ms. Urmi Mukherjee entitled "Low dose chronic bisphenol A (BPA) exposure promotes hepatic inflammatory response, steatosis, altered SIRT1 expression and insulin resistance in *Labeo bata*."

Poster presentation by Mr. Soumyajyoti Ghosh entitled "Endocrine disruption and impaired reproductive fitness in zebrafish ovary: participation of inflammatory and apoptotic mediators."

Poster presentation by Mr. Paritosh Mondal entitled "Effect of co-exposure to arsenic and fluoride on oxidative stress, antioxidant enzymes and DNA damage in zebrafish brain."

### **1. Only National and International standard Conference /Seminar /Workshop / Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars.**

#### **Santi Prasad Sinha Babu**

Presentation by Ph.D. Scholars

#### **Nikhilesh Joardar:**

26.09.2019-28.09.2019. Delivered Young Scientist Oral Presentation in the International Conference entitled "30th National Congress of Parasitology & Global Summit On Malaria Elimination (NCP-GSME 2019)" organized by the Special Centre for Molecular Medicine (SCMM) and The Indian Society for Parasitology (ISP) at Jawaharlal Nehru University, New Delhi, India. Title of presentation "Immunolocalization and response surface methodology guided extraction optimization of thioredoxin reductase (TrxR) from *Setaria cervi*."

#### **Santanu Ray**

19.11.2019-21.11.2019. Delivered an invited lecture in the International Conference entitled "7th India Biodiversity Meet, 2019" organized by the Indian Statistical Institute, Kolkata. Title of presentation "Biodiversity, Stability and Ecosystem Functioning."

27.11.2019-28.11.2019. Delivered an invited lecture in the International Conference entitled "IBTP 2019, Conference on Integrative Biology and Thyroid Physiology" organized by the Centre for Evolutionary and Integrative Biology, University of Kerala. Title of presentation "Integrative Biology from the Perspective of Systems Ecology."

01.10.2019-05.10.2019. Delivered an invited lecture in the International Conference entitled "The International Society for Ecological Modelling Global Conference 2019" held at Salzburg Congress Centre, Austria. Title of presentation "Predicting zooplankton community patterns using self organizing maps."

## **Ph.D. Scholars of Prof. Ansuman Chattopadhyay**

### **Pallab Shaw:**

02.12.2019-04.12.2019. Delivered an invited lecture in the International Seminar entitled "19th All India Congress of Genetics and Genomics and International Symposium on "Air Pollution and Its Impact on Human Health" jointly organized by the CSIR-Indian Institute of Chemical Biology, Kolkata and Archana Sharma Foundation of Calcutta. Title of presentation "Chromium induced hepatotoxicity and neurotoxicity in zebrafish; involvement of Nrf2-ARE pathway."

### **Prof. Dipak Kumar Mandal**

17.07.2019. Delivered an invited lecture in the International Seminar entitled "International symposium on Insect as food, feed and medicine" organized by the Achharam Memorial College Jhalda, Purulia.

### **Prof. Larisha M. Lyndem**

26.09.2019-28.09.2019. Delivered an invited lecture in the International Conference entitled "30th National Congress of Parasitology & Global Summit On Malaria Elimination (NCP-GSME 2019)" organized by the Special Centre for Molecular Medicine (SCMM) and The Indian Society for Parasitology (ISP) at Jawaharlal Nehru University, New Delhi, India. Title of presentation "Anthelmintic efficacy of four medicinal plants of West Bengal."

Presentation by Ph.D. Scholars

### **Bidisha Ukil**

26.09.2019-28.09.2019. Presented a paper in the International Conference entitled "30th National Congress of Parasitology & Global Summit On Malaria Elimination (NCP-GSME 2019)" organized by the Special Centre for Molecular Medicine (SCMM) and The Indian Society for Parasitology (ISP) at Jawaharlal Nehru University, New Delhi, India. Title of presentation "Effects of Senna on mitochondrial antioxidant of *Hymenolepis diminuta*."

### **Sudeshna Mandal**

26.09.2019-28.09.2019. Presented a poster in the International Conference entitled "30th National Congress of Parasitology & Global Summit On Malaria Elimination (NCP-GSME 2019)" organized by the Special Centre for Molecular Medicine (SCMM) and The Indian Society for Parasitology (ISP) at Jawaharlal Nehru University, New Delhi, India. Title of presentation "Probiotics: A target for helminth infection."

## **Ph.D. Scholars of Dr. Sudipta Maitra**

### **Subhasri Biswas**

23.11.2019-30.11.2019. Participated in the National Workshop entitled "Hands On Training on High throughput sequence data analysis" organized by the ICAR- Central Institute of Freshwater Aquaculture, Bhubaneswar, Orissa, India.

### **Dr. Surjya Kumar Saikia**

09.12.2019-15.12.2019. Participated in the National Workshop entitled "Hands 'Hands on Training on Microscopy (Confocal) and High Content Screening" at the Institute of Life Sciences, Bhubaneswar.

29.01.2020-30.01.2020. Participated in "Image analysis-a basic course" at C-CAMP, Bangalore.

29.10.2019. Chaired a technical session in the International Conference entitled "Ecological intensification: A new paragon for sustainable aquaculture".

#### **Ph.D. Scholars of Dr. Rakesh Kundu**

Alpana Mukhuty:

16.09.2019-20.09.2019. Presented poster in the International Conference entitled "55th Annual Meeting of the European Association for the Study of Diabetes (EASD)" at Barcelona, Spain.

#### **Sutapa Mukherjee**

02.12.2019-04.12.2019. Delivered an invited lecture in the International Seminar entitled "19th All India Congress of Genetics and Genomics and International Special Symposium on "Air Pollution and Its Impact on Human Health" jointly organized by the CSIR-Indian Institute of Chemical Biology, Kolkata and Archana Sharma Foundation of Calcutta. Title of presentation "Long-term phthalate exposure triggers insulin resistance in adult mice."

14.09.2019-23.09.2019. Participated in the National Workshop entitled "Application of 'R' in Research and Development" organized by the A.K. Dasgupta Centre for Planning and Development, Visva-Bharati, Santiniketan, India.

04.11.2019-08.11.2019. Participated in the National Training Programme entitled "New Approaches and Changing Perspectives in Fisheries Biology" organized by the ICAR-Central Inland Fisheries Research Institute (ICAR-CIFRI), Barrackpore, Kolkata, India.

#### **Ongoing Research Projects in the Department**

- i. Name of the Teacher: Sudipta Maitra (PI); Surjya Kumar Saikia (Co-PI) in collaboration with Tezpur University, Assam
- ii. Name of the Project: 'Elucidating the mechanism and assessing amelioration potential of Ocimum and Lucas in stress-induced impaired energy homeostasis on growth and reproduction in Zebrafish'
- iii. Sponsoring Agencies: National Agricultural Science Fund, Indian Council of Agricultural Research (ICAR), Govt. of India (NASF/ABA-6018/2016-17)
- iv. Amount Sanctioned: Visva-Bharati component: Rupees 1,32,73,820/-
- i. Name of the Teacher: Sudipta Maitra (PI); Ansuman Chattopadhyay (Co-PI), Sutapa Mukherjee (Co-PI) in collaboration with Central Institute of Freshwater Aquaculture (ICAR-CIFA), Bhubaneswar and Central Inland Fisheries Research Institute (ICAR-CIFRI), Barrackpore, West Bengal
- ii. Name of the Project: 'Assessment of endocrine disruption in fish reproduction'
- iii. Sponsoring Agencies: Department of Biotechnology (DBT), Govt. of India (BT/PR28560/AAQ/3/919/2018)
- iv. Amount Sanctioned: Visva-Bharati component: Rupees 1,01,60,640/-
- i. Name of the Teacher: Surjya Kumar Saikia (PI)
- ii. Name of the Project: 'To investigate whether regulation of muscle mitochondria function is associated with the growth in cultivable fish'
- iii. Sponsoring Agencies: Department of Biotechnology (DBT), New Delhi
- iv. Amount Sanctioned: Rupees 47,30,600/-

- i. Name of the Teacher: Surjya Kumar Saikia (CI); Samir Bhattacharya (CC-PI)
  - ii. Name of the Project: 'To elucidate the unique biochemical adaptational strategies that allow two air-breathing catfishes (*Clarias batrachus* and *Heteropneustes fossilis*) to survive in ammonia enriched toxic waste'
  - iii. Sponsoring Agencies: National Agricultural Research Fund, New Delhi
  - iv. Amount Sanctioned: Rupees 59,08,050/-
- i. Name of the Teacher: Surjya Kumar Saikia (PI)
  - ii. Name of the Project: 'To elucidate whether chemoattractants stimulate feeding in Indian major carps to accelerate their growth'
  - iii. Sponsoring Agencies: Science and Engineering Research Board (SERB), New Delhi
  - iv. Amount Sanctioned: Rupees 32,07,120/-
- i. Name of the Teacher: Rakesh Kundu (PI)
  - ii. Name of the Project: 'To investigate the role of fetuin-A in lipotoxicity induced beta-cell dysfunction and inflammatory injury to the pancreatic islets'
  - iii. Sponsoring Agencies: Science and Engineering Research Board (SERB), Govt. of India (Ref. No. ECR/2017/001028)
  - iv. Amount Sanctioned: Rupees 42,10,186/-
- i. Name of the Teacher: Sutapa Mukherjee (PI)
  - ii. Name of the Project: 'To elucidate the mechanisms regulating testicular germ cell apoptosis in high fat diet induced obesity leading to insulin resistance'
  - iii. Sponsoring Agencies: Science and Engineering Research Board (SERB), Govt. of India (Ref. No. ECR/2017/002470)
  - iv. Amount Sanctioned: Rupees 39,32,439/-

**Extension activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department.**

On 1st March, 2020, our Department organized the 15th Reunion. It was a gala event marked by the presence of about 300 participants. Several alumni came from all over India. Students had organized a series of cultural programs that started in the morning with felicitation of distinguished guests and Ex-Professors and continued throughout the day. The programs included recitations, dances, songs and drama. In the evening, the students staged Tagore's famous dance-drame 'Chandalika' which was much appreciated. Everyone enjoyed the program. A souvenir was published on the occasion.

The Department celebrated 'Gandhi Punyaha' in true spirit on March 10, 2020.

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

**Editor in Journals Prof. Santanu Ray**

- a) Associate editor of the journal - Ecological Modelling - An International Journal on Ecological Modelling and system ecology published by ELSEVIER, Netherlands (from January, 2009 to continue) (<http://www.journals.elsevier.com/ecological-modelling/editorial-board/>)
- b) Associate editor of the journal - Energy Ecology and Environment - published by SPRINGER

(from November, 2015 to continue) (<http://www.springer.com/energy/journal/40974> details Page editorialBoard)

c) Section Editor of the section Ecosystem and System Ecology of Encyclopedia of Ecology 2nd Edition -published by ELSEVIER

#### **Member of the Editorial Board of International Journals**

a) Ecological Informatics - published by ELSEVIER, Netherlands (First and only member from India from November, 2011) (<http://www.journals.elsevier.com/ecological-informatics/editorial-board/>)

b) Network Biology - published by International Academy of Ecology and Environmental Sciences (<http://www.iaees.org/publications/journals/nb/editorial.asp>)

c) Computational ecology and software - published by International Academy of Ecology and Environmental Sciences (<http://www.iaees.org/publications/journals/ces/editorial.asp>)

d) Journal of Ecosystem - Hindawi Publication, USA (<http://www.hindawi.com/journals/jes/editors>)

e) Chinese Journal of Population Resources and Environment - Taylor & Francis (<http://www.tandfonline.com/tpre>)

#### **Member of International and National Society:**

a) Secretary, Asia - Pacific Chapter, International Society of Ecological Modelling (ISEM), Head Office, Maryland, USA, 2012 - continue ([www.isemna.org](http://www.isemna.org))

b) Nodal member of National Network of Mathematical and Computational Biology (NNMCB)

**Dr. Sudipta Maitra**, Associate Professor, Department of Zoology, Visva-Bharati has been elected as General Secretary of Indian Society for Comparative Endocrinology.

**Dr. Rakesh Kundu**, is a Member of the Endocrine Society (ENDO), USA (January 2019-December 2019)

**Dr. Rakesh Kundu** is a Reviewer of the projects from DST-SERB, Govt. of India.

**Dr. Md. Shabbir**, working under the supervision of Prof. Samar Kumar Saha, was awarded Ph.D. for thesis entitled "Genotoxicity evaluation and bioremediation of chlorpyrifos pesticide."

**Dr. Poulomi Nath**, working under the supervision of Dr. Sudipta Maitra, was awarded Ph.D. for thesis entitled "Nitric oxide regulation of ovarian function in relation to plasma sex steroid levels in freshwater teleosts."

**Dr. Songita Ghosh**, working under the supervision of Dr. Sutapa Mukherjee, was awarded Ph.D. for thesis entitled "Testicular impairment and oxidative status of adipose tissue in relation to insulin resistance: Amelioration through olive oil based diet."

**Dr. Soumojit Pal** who worked under the research supervision of Dr. Sudipta Maitra, has joined Department of Medicine, University of Pittsburgh, Pittsburgh, Pennsylvania-15261, USA as International Post Doc fellow in this year.

**Ms. Subhasri Biswas** who is been working under the supervision of Dr. Sudipta Maitra has been upgraded as DST-INSPIRE SRF on 28th Feb, 2020.

**Mr. Soumyajyoti Ghosh**, working under the supervision of Dr. Sudipta Maitra, was awarded the Best Poster Presentation with Prof. S.P. Raychaudhuri Memorial Award in the "National Seminar on Advancement of Biology in the 21st Century" organized by the Department of Zoology, Visva-Bharati during 28-29 February, 2020 at Bangladesh Bhavana, Santiniketan, West Bengal, India.

UGC-NET-SRF under the supervision of Dr. Sutapa Mukherjee was awarded Poster Award in the "19th All India Congress of Genetics and Genomics and International Special Symposium on "Air

Pollution and Its Impact on Human Health" jointly organized by the CSIR-Indian Institute of Chemical Biology, Kolkata and Archana Sharma Foundation of Calcutta for poster entitled "Chronic dietary administration of diethyl phthalate triggers reproductive impairment in male mice"

Ms. Shirsha Mondal, UGC-NET-SRF under the supervision of Dr. Sutapa Mukherjee, was awarded Prof. Hiralal Chaudhury Medal for Excellence in Innovative Research Award (Post-Doctoral Level) in the "National Seminar on Advancement of Biology in the 21st Century" organized by the Department of Zoology, Visva-Bharati during 28-29 February, 2020 at Bangladesh Bhavana, Santiniketan, West Bengal, India.

Ms. Alpana Mukhuty working under the supervision of Dr. Rakesh Kundu was awarded with EASD Travel grant to the value Euro 1000.00 to attend the "55th Annual Meeting of the European Association for the Study of Diabetes" during 16-20 September, 2019 at Barcelona, Spain.

### **Publications within the year April 2019- March 2020**

#### **Newsletter articles: 02**

- 1) "Connecting deregulated inflammation and apoptosis to ovarian follicular dynamics: missing link between endocrine disruption and compromised female fertility" Biswas S, Mukherjee U, Ghosh S, Samanta A, Das S, Maitra S. In: Translational Research in Reproductive Health, Indian Society for the Study of Reproduction and Fertility (ISSRF) Newsletter, Issue 24, September 2019, pp. 115-119, ISSN: 2395-2806.
- 2) "Male factor infertility and phthalate esters" Mondal S, Mukherjee S. In: Translational Research in Reproductive Health, Indian Society for the Study of Reproduction and Fertility (ISSRF) Newsletter, Issue 24, September 2019, pp. 115-119, ISSN: 2395-2806.

#### **Conference Paper: 01**

- 1) "Islet inflammation and beta cell dysfunction by fat and Fetuin-A". R. Kundu. Diabetologia Vol 62, no. 1, 1-600, 2019. (Conference paper)

#### **Research Papers.(Author(s), title of Paper, year Journal volume No., Pages),**

- 1) "Toll-like receptor polymorphism in host immune response to infectious diseases: A review." Mukherjee S, Huda S, Sinha Babu SP.Scandinavian Journal of Immunology 2019, Vol. 90, pp: e12771, ISSN: 1365-3083.
- 2) "Antifilarial activity of azadirachtin fuelled through reactive oxygen species induced apoptosis: a thorough molecular study on Setaria cervi."Mukherjee N, Joardar N, Sinha Babu SP. Journal of Helminthology 2019, Vol. 93, no. 5, pp. 519-528, ISSN: 0022-149X.
- 3) "Influence of autophagy, apoptosis and their interplay in filaricidal activity of C-cinnamoyl glycosides." Roy P, Sengupta A, Joardar N, Bhattacharyya A, Saha NC, Misra AK, Sinha Babu S.P. Parasitology 2019, Vol. 146, no. 11, pp. 1451-1461, ISSN: 1469-8161.
- 4) "Effect of bovine serum albumin on tartrate-modified manganese ferrite nano hollow spheres: spectroscopic and toxicity study." Chakraborty I, Saha U, Mandal D, Mukherjee S, Joardar N, Sinha Babu SP, Gopinath SK, Mandal K. Physical Chemistry Chemical Physics 2019, Vol. 21, no. 20, pp. 10726-10737, ISSN: 1463-9076.
- 5) "Graphene oxide dispersed supramolecular hydrogel capped benign green silver nanoparticles for anticancer, antimicrobial, cell attachment and intracellular imaging applications." Ghosh D, Dhivar S, Dey A, Mukherjee S, Joardar N, Sinha Babu SP, Dey B. Journal of Molecular



Liquids 2019, Vol. 282, pp. 1-12, ISSN: 0167-7322.

- 6) "Aryl quinolinyl hydrazone derivatives as anti-inflammatory agents that inhibit TLR4 activation in the macrophages." Debnath U, Mukherjee S, Joardar N, Sinha Babu SP, Jana K, Misra AK. *European Journal of Pharmaceutical Sciences* 2019, Vol. 134, pp. 102-115, ISSN: 0928-0987.
- 7) "Wuchereria bancrofti filaria activates human dendritic cells and polarizes T helper 1 and regulatory T cells via toll-like receptor 4." Mukherjee S, Karnam A, Das M, Sinha Babu SP, Bayry J. *Communications Biology* 2019, Vol. 2, no. 1, pp. 1-11, ISSN: 2399-3642.
- 8) "Synthesis of smart graphene quantum dots: A benign biomaterial for prominent intracellular imaging and improvement of drug efficacy." Mondal MK, Mukherjee S, Joardar N, Roy D, Chowdhury P, Sinha Babu SP. *Applied Surface Science* 2019, Vol. 495, p:143562. ISSN: 0169-4332.
- 9) "A review on the druggability of a thiol-based enzymatic antioxidant thioredoxin reductase for treating filariasis and other parasitic infections." Joardar N, Sinha Babu SP. *International Journal of Biological Macromolecules* 2020, Vol. 142, pp. 125-141, ISSN: :0141-8130.
- 10) "Polymer anchored gold nanoparticles: synthesis, characterization and antimicrobial activities." Chowdhury P, Roy B, Mukherjee S, Mukherjee N, Joardar N, Roy D, Chowdhury S, Sinha Babu SP. *Journal Nanoscience & Nanotechnology-Asia* 2020 Doi: 10.2174/2210681210666200128155244, ISSN: 2210-6820.
- 11) "An approach towards quantification of ecosystem trophic status and health through ecological network analysis applied in Hooghly-Matla estuarine system, India." Mukherjee J, Karan S, Chakrabarty M, Banerjee A, Rakshit N, Ray S. *Ecological Indicators* 2019, Vol.100, pp. 55-68, ISSN: 1872-7034.
- 12) "Role of farming awareness in crop pest management-A mathematical model." Basir FA, Banerjee A, Ray S. *Journal of Theoretical Biology* 2019, Vol. 461, pp. 59-67, ISSN: 0022-5193.
- 13) "Dynamics of plant mosaic disease propagation and the usefulness of roguing as an alternative biological control." Rakshit N, Basir FA, Banerjee A, Ray, S. *Ecological Complexity* 2019, Vol. 38, pp. 15-23, ISSN: 1476-945X.
- 14) "Impact of environmental factors on the dependency of litter biomass in carbon cycling of Hooghly estuary, India." Mukherjee J, Bhowmick AR, Ghosh PB, Ray, S. *Ecological Informatics* 2019, Vol. 51, pp. 193-200, ISSN: 1574-9541.
- 15) "Effect of time delay in controlling crop pest with farming awareness." Basir FA, Elaiw AM, Ray S. *International Journal of Applied and Computational Mathematics*. 2019, <https://doi.org/10.1007/s40819-019-0693-0>, ISSN:2349-5103.
- 16) "A unit study of externality of shrimp farming on provisioning services (paddy farming)." Das S, Saha P, Banerjee A, Maity M, Ray S. *NASS Journal of Agricultural Sciences* 2019, Vol. 1, no. 2, pp. 13-19, ISSN: 2661-3328.
- 17) "Impact of farming awareness based rouging, insecticides spraying and optimal control on the dynamics of mosaic disease." Basir FA, Ray S. *Ricerche di Matematica* 2020, <http://doi.org/10.1007/s1587-020-00522-8>, ISSN: 1827-3491.
- 18) "Impact of incubation delay in plant-vector interaction." Ray S, Basir FA. *Mathematics and Computers in Simulation* 2020, Vol. 170, pp. 16-31, ISSN: 0378-4754.
- 19) "Modelling the effect of incubation and latent periods on the dynamics of vector-borne plant

- viral diseases." Basir FA, Adhurya S, Banerjee M, Venturino E, Ray S. *Bulletin of Mathematical Biology* 2020, Vol. 82, no. 94, <https://doi.org/10.1007/s11538-020-00767-2>, ISSN: 0092-8240.
- 20) "Incidence of fluorosis and urinary fluoride concentration are not always positively correlated with drinking water fluoride level." Dey Bhowmik A, Shaw P, Mondal P, Munshi C, Chatterjee S, Bhattacharya S, Chattopadhyay A. *Current Science* 2019, Vol. 116, pp. 1551-1554. ISSN: 0011-3891.
  - 21) "A review on fluoride induced organotoxicity and genotoxicity in mammals and zebrafish." Dey Bhowmik A, Chattopadhyay A. *The Nucleus* 2019, Vol. 62, pp. 177-185. ISSN: 0029-568X.
  - 22) "Mixture effect of arsenic and fluoride at environmentally relevant concentrations in zebrafish (*Danio rerio*) liver: expression pattern of Nrf2 and related xenobiotic metabolizing enzymes." Mondal P, Shaw P, Bandyopadhyay A, Dey Bhowmik A, Chakraborty A, Sudarshan M, Chattopadhyay A. *Aquatic Toxicology* 2019, Vol. 213, pp. 105219. ISSN: 0166-445X.
  - 23) "Nrf2-ARE signaling in cellular protection: Mechanism of action and the regulatory mechanisms." Shaw P, Chattopadhyay A. *Journal of Cellular Physiology* 2019, Vol. 235, pp. 3119-3130. ISSN: 0021-9541.
  - 24) "Environmentally relevant concentration of chromium induces nuclear deformities in erythrocytes and alters the expression of stress-responsive and apoptotic genes in brain of adult zebrafish." Shaw P, Mondal P, Bandyopadhyay A, Chattopadhyay A. *Science of Total Environment* 2019, Vol. 703, pp. 135622. ISSN: 0048-9697.
  - 25) "Environmental exposure of arsenic and fluoride and their combined toxicity: A recent update." Mondal P, Chattopadhyay A. *Journal of Applied Toxicology*, 2019, Vol. 40, pp. 552-566. ISSN: 1099-1263.
  - 26) "Cytotoxic effect of green synthesized silver nanoparticles in MCF7 and MDA-MB-231 human breast cancer cells in vitro." Bandyopadhyay A, Roy B, Shaw P, Mondal P, Mondal MK, Chowdhury P, ... Chattopadhyay A. *The Nucleus* 2019, Vol. 63, pp. 191-202. ISSN: 0029-568X
  - 27) "Insights into the phenomenon of acquisition and accumulation of Fe<sup>3+</sup> in *Hygrophila spinosa* through fluorimetry and fluorescence images." Ghosh A, Mandal S, Das S, Shaw P, Chattopadhyay A, Sahoo P. *Tetrahedron Letters* 2019, Vol. 61, pp. 151520. ISSN: 0040-4039.
  - 28) "Chitosan-gold nanoparticles trigger apoptosis in human breast cancer cells in vitro." Bandyopadhyay A, Roy B, Shaw P, Mondal P, Mondal MK, Chowdhury P, ... Chattopadhyay A. *The Nucleus* 2020, Vol. 63 pp. 1-14. ISSN: 0029-568X.
  - 29) "Chronic exposure to environmentally relevant concentration of fluoride alters Ogg1 and Rad51 expressions in mice: Involvement of epigenetic regulation." Bhowmik AD, Podder S, Mondal P, Shaw P, Bandyopadhyay A, Das A, ... Chattopadhyay A. *Ecotoxicology and Environmental Safety* 2020, Vol. 202 pp. 110962. ISSN: 0147-6513.
  - 30) "Physiological relevance of nitric oxide in ovarian functions: An overview." Nath P, Maitra S. *General and Comparative Endocrinology* 2019, Vol. 279, pp. 35-44, ISSN: 0016-6480.
  - 31) "Nonylphenol attenuates SOCS3 expression and M1 polarization in lipopolysaccharide-treated rat splenic macrophages." Pal S, Nath P, Biswas S, Mukherjee U, Maitra S. *Ecotoxicology and Environmental Safety* 2019, Vol. 174, pp. 574-583, ISSN: 0147-6513.

- 32) "Expression of nitric oxide synthase (NOS) in *Anabas testudineus* ovary and participation of nitric oxide-cyclic GMP cascade in maintenance of meiotic arrest." Nath P, Mukherjee U, Biswas S, Pal S, Das S, Ghosh S, Samanta A, Maitra S. *Molecular and Cellular Endocrinology* 2019, Vol. 496, pp. 110544, ISSN: 0303-7207.
- 33) "Synthesis and characterization of Pt (ii)-based potent anticancer agents with minimum normal cell toxicity: their bio-activity and DNA-binding properties." Mahata S, Mukherjee S, Tarai SK, Pan A, Mitra I, Pal S, Maitra S, Moi SC. *New Journal of Chemistry*, 2019 Vol. 43, pp. 18767-18779, ISSN: 1144-0546.
- 34) "Selective sensing of Al<sup>3+</sup> ions by nitrophenyl induced coordination: imaging in zebrafish brain tissue." Das S, Mukherjee U, Pal S, Maitra S, Sahoo P. *Organic & Biomolecular Chemistry* 2019, Vol. 21, pp. 5230-5233, ISSN: 1477-0539.
- 35) "Protein extraction from *Saccharomyces cerevisiae* at different growth phases." Mukherjee M, Nandi A, Chandra K, Saikia SK, Jana CK, Das N. *Journal of Microbiological Methods* 2020, Doi. <https://doi.org/10.1016/j.mimet.2020.105906>, ISSN: 0167-7012.
- 36) "Ecological intensification for feeding rohu *Labeo rohita* (Hamilton, 1822): A review and proposed steps towards an efficient resource fishery". Majumder S, Saikia SK. *Aquaculture Research* 2020, Doi. 10.1111/are.14669, ISSN: 1365-2109.
- 37) "Oxidative stress in fish: a review." Choudhury S, Saikia SK. *Journal of Scientific Research* 2020, Vol. 12, no. 1, pp. 145-160, ISSN: 2315-7712.
- 38) "A Nuclear-Localized Naphthalimide-Based Fluorescent Light-Up Probe for Selective Detection of Carbon Monoxide in Living Cells." Sarkar A, Fouzder C, Chakraborty S, Ahmmmed E, Kundu R, Dam S, Chattopadhyay P, Dhara K. *Chemical Research in Toxicology* 2020, Vol. 33, no. 2, pp. 651-656, ISSN: 0893-228X.
- 39) "Designed synthesis of dual emitting silicon quantum dot for cell imaging: Direct labeling of Alpha 2-HS-Glycoprotein." Roy D, Fouzder C, Mukhuty A, Pal S, Mondal MK, Kundu R, Chowdhury P. *Bioconjugate Chemistry* 2019, Vol. 30, no. 5, pp. 1575-1583, ISSN: 1043-1802.
- 40) "Antioxidant flavone functionalized fluorescent and biocompatible metal nanoparticles: Exploring their efficacy as cell imaging agents." Karmakar A, Mallick T, Fouzder C, Mukhuty A, Kundu R, Begum NA. *Nano-Structures and Nano-Objects* 2019, Vol. 18, pp. 100278, ISSN: 2352-507X.
- 41) "Chronic dietary administration of lower levels of diethyl phthalate induces murine testicular germ cell inflammation and sperm pathologies: Involvement of oxidative stress." Mondal S, Ghosh S, Bhattacharya S and Mukherjee S. *Chemosphere* 2019, Vol. 229, pp. 443-451, ISSN: 0045-6535.
- 42) "Long-term dietary administration of diethyl phthalate triggers loss of insulin sensitivity in two key insulin target tissues of mice." Mondal S, Mukherjee S. *Human and Experimental Toxicology* 2020, Vol. 39, no. 7, pp. 984-993, ISSN: 0960-3271.

**Joint authors of the same Department:**

- 1) "Gustatory ultrastructures of an amphihaline migratory fish hilsa *Tenualosa ilisha*." Malick C, Chatterjee SK, Bhattacharya S, Suresh VR, Kundu R, Saikia SK. *Microscopy Research and Technique* 2020, Vol. 83, no. 5, pp. 507-513, ISSN: 1097-0029.

2) "Ectopic expression of olfactory receptors and associated G $\alpha$  protein subunits in the head integument of the amphihaline migratory fish hilsa *Tenualosa ilisha*." Chatterjee SK, Malick C, Bhattacharya S, Suresh VR, Kundu R, Saikia SK. *Journal of Fish Biology* 2019, Vol. 95, no. 1, pp. 324-334, ISSN: 1095-8649.

iii) Number of paper published in Peer/reviewed journals : 44

**iv) Book chapters**

1) "Redox regulatory circuits as targets for therapeutic intervention of bancroftian filariasis: biochemical, molecular, and pharmacological perspectives." Mukherjee S, Joardar N, Sinha Babu SP. In: *Oxidative Stress in Microbial Diseases*, Springer Nature, 2019, pp. 185-208, ISBN:978-981-13-8763-0.

2) "Hopf bifurcation in a mathematical model of tuberculosis with delay." Bonyah E, Basir FA, Ray S. In: *Mathematical Modelling, Optimization, Analytic and Numerical Solutions Industrial and Applied Mathematics* eds. Manchanda P, Lozi R, Siddiqi A. Springer, Singapore, 2020, pp 301-311, ISBN: 9789811509278 (Hardcover); 9789811509285 (eBook).

3) "Modelling Studies focusing on Microphytobenthos and its role in Benthic-Pelagic Coupling" Sinha S, Banerjee A, Rakshit N, Ray S In: *Mathematical Analysis and Applications in Modelling. ICMAAM 2018*, eds. Roy PK, Cao X, Li X, Das P, Deo S. Springer Proceedings in Mathematics & Statistics, Vol. 302, Springer, Singapore, 2020, pp. 209-224, ISBN:9789811504211 (Hardcover); 9789811504228 (eBook).

4) "Overview of Ecological Economics and Ecosystem Services Consequences from Shrimp Culture" Das S, Adhurya S, Ray S In: *Mathematical Analysis and Applications in Modelling. ICMAAM 2018*, eds. Roy PK, Cao X, Li X, Das P, Deo S. Springer Proceedings in Mathematics & Statistics, Vol. 302, Springer, Singapore, 2020, pp. 225-236, ISBN:9789811504211 (Hardcover); 9789811504228 (eBook).

5) "Guanotrophication by Waterbirds in Freshwater Lakes: A Review on Ecosystem Perspective" Adhurya S, Das S, Ray S In: *Mathematical Analysis and Applications in Modelling. ICMAAM 2018*, eds. Roy PK, Cao X, Li X, Das P, Deo S. Springer Proceedings in Mathematics & Statistics, Vol. 302, Springer, Singapore, 2020, pp. 237-251, ISBN:9789811504211 (Hardcover); 9789811504228 (eBook).

6) "Recent trends of Ecosystem health and biodiversity status of pelagic-benthic coupled system in Indian estuaries with special emphasis on Hooghly estuary, India" Rakshit N, Banerjee A, Sinha S, Ray S In: *Mathematical Analysis and Applications in Modelling. ICMAAM 2018*, eds. Roy PK, Cao X, Li X, Das P, Deo S. Springer Proceedings in Mathematics & Statistics, Vol. 302, Springer, Singapore, 2020, pp. 253-269, ISBN:9789811504211 (Hardcover); 9789811504228 (eBook).

## Department of Botany

Name of the Students qualified in UGC/CSIR/NET/SLET/GATE

### **(A) Students qualified NET**

- 1.Subhayan Chatterjee
- 2.Sharadindu Adak
- 3.Anupam Kundu
- 4.Dipanjali Chatterjee
- 5.Riya Chakrabarty
- 6.Ankita Roy Chowdhury
- 7.Sangita Mondal
- 8.Kaushik Saha

### **(B) Students qualified SET**

- 1.Anindya Sundar Roy
- 2.Anupam Kundu
- 3.Sangeeta Mondal
- 4.Mouli Saha
5. Sunil Nandi

### **(C) Students qualified GATE**

1. Anupam Kundu
2. Mouli Bhattacharya
3. Pradip Malik
4. Suman Maity
5. Ishita Barary
6. Sitanshu Das
7. Sunil Nandi
8. Riya Chakrabarty
9. Madhab Rakshit
10. Kaushik Saha
11. Dipanjali Chatterjee
12. Smritikana Paul

### **Departmental Seminar (Speakers, Title of the Seminar, Date)**

- i. 12.06.2019. A lecture delivered by Prof. Arun K Bhunia of Molecular and Food Microbiology Laboratory, Department of Food Science, Department of Comparative Pathology Purdue University West Lafayette, Indiana, USA on” Next Generation Bio engineered probiotic approach in preventing enteric pathogen infection
- ii. 18.11.2019 -20.11.2019. 21<sup>st</sup> National Conference on Aerobiology held at the Department of Botany, Visva-Bharati, Santiniketan, Jointly organized by Department of Botany, Visva-Bharati and Aerobiological Society of India

**National and International Standard Conference/Seminar/Workshop/Exhibition etc. Attended by the Teacher**

**Kashinath Bhattacharya**

1. 23.11.2019- 25.11.2019 Delivered an invited talk in the International Workshop on 'Tools and Techniques in Air Quality and Health Impact Assessment' held in the Department of Environmental Studies, Visva-Bharati
2. 10.01.2020 - 12.01.2020 Delivered an invited talk in the Environmental Sciences Section of 107 Indian Science Congress held in University of Agricultural Sciences, Bangalore
3. 13.02.2020 - 14.02.2020 Delivered a lead lecture in the "International Symposium on Plant Taxonomy and Ethnobotany" of Botanical Survey of India held in Lalit Great Eastern Hotel, Kolkata

**Rup Kumar Kar**

20.02.2020-21.02.2020 Symposium/seminar/conference/workshop attended: Delivered plenary lecture entitled "Reactive oxygen species (ROS): Boon in a disguise" in the National Seminar on New Horizon in Botanical Research held at Department of Botany, North Bengal University

**Narayan Chandra Mandal**

06.02.2020-08.02.2020 Delivered E.J. Butler Memorial Lecture in an International Symposium "Nature, Microbes and Society" organised by Indian Mycological Society at Science City, 28.02.2020-29.02.2020 Delivered an Invited Lecture 'Evaluation of anti-fungal and anti-candidal potential of secondary metabolites of an endophytic fungus *Alternaria tenuissima* isolated from *Ocimum tenuiflorum* L.' in the National Seminar RFPIDM-2020, organised by The Department of Botany, Banaras Hindu University

**Subrata Mondal**

18.11.2019-20.11.2019 Participated and chaired a session in the 21<sup>st</sup> National Conference on Aerobiology held at the Department of Botany, Visva-Bharati, Santiniketan.

**Chowdhury Habibur Rahaman**

29.02.2020 Invited speaker, in the 27<sup>th</sup> West Bengal. State Science and Technology Congress held on at Science City, Kolkata.

**Soma Sukul nee Chunari**

02.11.2019-03.11.2019 Chaired a session and presented paper in 2<sup>nd</sup> World Congress on 'Homeopathy and Traditional Medicine - Zero Molecule to Macromolecules', organized by Sukul Institute of Homeopathic Research at Bangkok, Thailand.

24.01.2020-25.01.2020 Presented paper in International Conference on 'Algae, Fungi and Plants: Systematics to Applications', organized by CAS, Department of Botany, University of Calcutta.

24.02.2020-25.02.2020 Presented paper in National Conference on 'Pteridology Today and Tomorrow: Relevance to Impact on Diversity and Climate Change', organized by Department of Botany, Faculty of Science, Maharaja Sayajirao University of Baroda, Vadodara, Gujarat.

**Jnanendra Rath**

08.01.2020 -10.01.2020 Participated and delivered an Invited talk on "Cyanobacteria of extreme habitats of India: unexplored treasure trove of novel bioactive metabolites" and co-chair a

session in the International Symposium on Biodiversity, Biology and Biotechnology of Algae organized by Centre for Advanced studies in Botany, University of Madras, Chennai.

23.03.2019-24.03.2019 Participated and delivered an Invited talk on “Scytonemin: A UV sunscreen metabolites of marine cyanobacteria, having potential antiproliferative activity” in the Two days’ Workshop cum National Seminar on “Trends in modern biology: Techniques and applications” organised by Dept. of Zoology, Visva-Bharati.

#### **Adani Lokho**

23.11.2019-11.2019 Poster presentation in 29<sup>th</sup> APSI Scientist meet & International Conference on Drug Discovery and Development in Agrobiotechnology and Pharma ceutical Sciences organized by Smt N.M. Padalia Pharmacy college, Ahmedabad, Gujrat

13.02.2020-14.02.2020 Oral and Poster presentation in International symposium on Plant Taxonomy and Ethanobotany organized by BSI and Ministry of Environment, Forest and Climate Change

#### **Bomba Dam**

07.08.2019-09.08.2019 Invited speaker in International confetrence on Sustainable Technologies for Industrial Hazardous waste management and Bioenergy organized by SRM Institute of Science and Technology on topic Metagenomics Exploration of Hypersaline Environment for Ionic Liquid and salt stable Cellulases , a step forward lignocellulosic Bioenergy,

#### **Nandlal Mandal**

14.09.2019-23.09.2019 Participated in National workshop on “Application of R in Research & Development” organized by A.K.Dasgupta Centre for Planning and Development, Visva-Bharati

06.02.2020-08.02.2020 Oral presentation in International Symposium on “**Nature, Microbes and Society**”, organized by Indian Mycological Society, Calcutta

25.02.2020-27.02.2020 Oral presentation in International Conference on ‘Climate Change, Precision Agriculture & Innovative Disease Control Strategies for Sustainable Agriculture’ organized by University Department of Botany, T.M. Bhagalpur University, Bhagalpur.

18.11.2019-20.11.2019 Invited speaker in National Conference on Aerobiology organized by Department of Botany, Visva- Bharati, Santiniketan.

#### **Anjalika Roy**

02.12.2019-04.12.2019 Invited speaker in 19<sup>th</sup> All India Congress of Genetics and Genomics and International Symposium on “ Air Pollution and its impact on Human health” jointly organized by CSIR-IICB, Kolkata and Archana Sharma Foundation, Kolkata on topic “Responses of Tester Plants towards Chemical Pesticides”

### **RESEARCH SCHOLAR**

#### **Sandipan Banerjee**

08.09.2019 sponsored International workshop on “Recent developments in Renewable Energy and Rural Empowerment” by DST-Mission Innovation (Govt. of India) Jointly organized by Department of Environmental Studies, Visva- Bharati and NBIRT, Kolkata and Department of Zoology, Visva- Bharati, Santiniketan, India.

10.04.2019- 14.04.2019 Workshop on “Basics of DNA Sequencing and its Application” held at Innovation centre, University of Kalyani, Kalyani, West Bengal

**Soumitra Pal**

1. 18.11.2019 -20.11.2019 Presented a paper entitled “Floral biology, pollen dispersal and pollination of Indian Elm- a potent allergenic plant.” 21<sup>st</sup> National Conference on Aerobiology held at the Department of Botany, Visva-Bharati, Santiniketan.

2. 24.01.2020-25.01.2020 Presented a paper entitled “Effect of heavy metals on *in vitro* pollen germination and tube growth of *Asparagus racemosus* Willd.” International conference on Algae, Fungi and plants: systematics to applications held at the Centre of Advanced Study, Department of botany University of Calcutta In collaboration with Botanical Survey of India.

**Satyajit Oraon**

18.11.2019.11.2019 Presented a paper entitled “Bee-flower interaction, Pollen dispersal and pollination of *Syzygium jambos* (L.) Alston “. 21<sup>st</sup> National Conference on Aerobiology held at the Department of Botany, Visva-Bharati, Santiniketan.

24.01.2020-25.01.2020 Presented a paper entitled “A contribution to fly (Diptera) pollination in Ceylon Olive- an economically important food crop”.International conference on Algae, Fungi and plants: systematics to applications held at the Centre of Advanced Study, Department of Botany University of Calcutta in collaboration with Botanical Survey of India.

**Sucheta Mandal**

08.01.2020-09.01.2020 Two-day International Seminar on “**Innovation, Expansion, Impacts and challenges in Chemical and Biological Sciences**” organized by Department of Chemistry, Surendranath College

**Reshma lakra**

13.02.2020-14.02.2020 Presented a paper entitled”Conservation strategy and species reintroduction of two endemic and threatened palms from Nicobar Islands” International symposium on Plant taxonomy and ethnobotany held at Botanical Survey of India, Kolkata

**Kamalika Sinha**

18.11.2019 -20.11.2019 Presented a paper entitled “Buzz pollination in *Solanum macranthum* Dunal.” XXI National Conference on Aerobiology held at the Department of Botany, Visva-Bharati, Santiniketan.

**Debarati Pramanick**

02.12.2019-04.12.2019 Presented a paper entitled” Studies on Genetic Diversity in *Aquallaria agallocha* Roxb. From Tripura, North- East India by ISSR markers.” 19<sup>th</sup> All India Congress of Genetics and Genomics and International Symposium on “ Air Pollution and its impact on Human health” jointly organized by CSIR-IICB, Kolkata and Archana Sharma Foundation, Kolkata,

**Soumi Bhattacharya**

28.11.2019-29.11.2019 Oral presentation in a International research conference on Recent trends in life sciences held at Sidho Kanho Birsha University ( SKBU),Purulia,West Bengal. entitled “ *In vitro* medium term storage of rhizome nodes cultures of *Geodorum densiflorum* (Lam.) Schltr. using Paclobutrazol”



### Ongoing Research Projects:

Sl.	Name of the Teacher	Name of the Project	Sponsoring Agencies	Amount Sanctioned (In Lac)	Duration of the Project
1.	Samit Ray	Study of distribution pattern of various moss species in Darjeeling and adjoining areas with special emphasis on macro- and micro morphological variations and their <i>in situ</i> conservation	DST, Govt. of W.Beng.	10.00	2018-2021
2.	Kashinath Bhattacharya	The scoping of Geographical Indication (GI) tag for mangrove honey of Sunderban (As Co-PI : Jointly with Bose Institute and Calcutta University).	WWF-India	0.40	2019-2020
3.	Kashinath Bhattacharya	–	Wellcome Trust & DBT	33.83	2019-2024
4.	Narayan Chandra Mandal (Co-PI)	Earthworm gut microbes mediated carcinogenic polycyclic aromatic hydrocarbons (CPAHs) remediation in contaminated soil	DBT-Twinning	Rs.56,39,200/- of which VB component is Rs.22,54,600/-	2018-2021
5.	Jnanendra Rath	Exploration of DHA (docosahexaenoic acid) producing algae from wetlands of W.B for maternal supplement and neurodevelopment	DST, Govt. of W.B.	10.80	2018-2022

		of young children's of West Bengal	West Bengal		
6	Jnanendra Rath	Unlocking cryptic and anti-quorum sensing natural products of cyanobacteria from stressed habitats in search of novel antibiotics against antimicrobial resistance	SERB, Govt. of India	46.71	2018-2022
7.	Bomba Dam	Impact of sulphate on microbial population dynamics and carbon cycling due to sea water intrusion in Mangrove ecosystem: A future Global warming scenario	DST, Govt. of West Bengal	11.99	2018-2021
8	Bomba Dam	Prebiotic feed supplement for growth improvement of Indian major carps, <i>Labeo rohita</i> , <i>Cirrhinus mrigala</i> and <i>Catla catla</i> under composite culture system: A gut microbiome and nutrigenomics based approach	DBT, Govt. of India [Network Project with University of Burdwan]	91.43[VB Component: 55.17]	2019-2022

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department

### **Academic distinction gained by Teachers or Scholars**

#### **Teachers**

Narayan Chandra Mandal, E. J. Butler Memorial Award presented by Indian Mycological Society

#### **Scholars:**

1. Shri Soumitra Pal has been awarded Prof. P.H. Gregory Award from Aerobiological Society of India in 21<sup>st</sup> National Conference on Aerobiology held at the Department of Botany, Visva-Bharati, Santiniketan during 18 -20 November, 2019.
2. Shri Satyajit Oraon has been awarded for best oral presentation (2<sup>nd</sup> position) in 21<sup>st</sup> National Conference on Aerobiology held at the Department of Botany, Visva-Bharati, Santiniketan during 18 -20 November, 2019.

3. Smt. Sucheta Mandal has been awarded for 3<sup>rd</sup> best poster presentation in Two-day International Seminar on "Innovation, Expansion, Impacts and challenges in Chemical and Biological Sciences" organized by Department of Chemistry, Surendranath College held on 8th to 9th January, 2020
4. Smt. Kamalika Sinha has been awarded for best poster presentation (2nd position) in 21<sup>st</sup> National Conference on Aerobiology held at the Department of Botany, Visva-Bharati, Santiniketan during 18 -20 November, 2019.

#### **Publications within the year April 2019- March 2020:**

##### **Other books (Book Chapters)**

1. Diversity of chitinase producing bacteria and their possible role in plant pest control, pp 457-491 Sandipan Chatterjee and **Narayan Chandra Mandal** (2019) In: *Microbial Diversity in Ecosystem Sustainability and biotechnological Applications*. Satyanarayan T, Das S and Johri B. (Eds.), Springer-Nature (Singapore).
2. Phytochemistry, Pharmacology and Safety issues of Essential oils: Applications in Aromatherapy. Anindya Sundar Ray, Suman Kalyan Mandal and **Chowdhury Habibur Rahaman** (2019) In: Goyel, M.R., Suleria, H.A.R., Ayeleso, A.O., Joel, T.J. and Panda, S.K. (eds.) *The Therapeutic Properties of Medicinal Plants*. Apple Academic Press (Taylor & Francis Group), USA. ISBN 9781771888035
3. Role of Gut Microbiota in combating Oxidative Stress in Oxidative stress in microbial diseases **Bomba Dam**, Arijit Misra and Sohini Banerjee (2019) ISBN No. 978-981-13-8763-0, Springer-Nature (Singapore).
4. Isoenzymes and protein profile of some maize grains and aflatoxins elaboration by toxigenic *Aspergillus flavus*. PP 563-573. Roy S. and **Mandal N.** (2020) In: *Precision Agriculture and Sustainable Crop Production*. Chourasia HK, Acharya K and Singh V (Eds.): Today and Tomorrows Printers and Publishers, New Delhi
5. Biofilm of cyanobacteria: Environmental Application, pp. 311-330 Bhakat, S., Mandal, S., and **Rath, J.** (2020) In: *Applied algal biotechnology* Arumugan M., Katheresan S. and Nagaraj S. (Eds,) Nova Science Publishers, New York, USA

##### **Research papers**

Morphological variations in geographically isolated populations of *Bryum coronatum* Schwager (Bryaceae, Bryales), Bhattacharya, S., Ojha, S.N. and **Ray, S.** (2019). *Plant Science Today* 6(3), 360-366.

Occurrence and diversity of microalgae in phytoplankton collected from freshwater community ponds of Hooghly District, West Bengal, India. Halder, P., Debnath, M. & **Ray, S.** (2019). *Plant Science Today*, 6(1), 8–1.

Aerobiology, epidemiology and disease forecasting of false smut disease of rice in West Bengal, India. Saha, S., Chakraborty, A. & **Bhattacharya, K.** (2020). *Aerobiologia*. <https://doi.org/10.1007/s10453-020-09631-1>, Springer Nature B.V.

Molecular characterization of a fungal cyclophilin allergen Rhi o 2 and elucidation of antigenic determinants responsible for IgE–cross-reactivity. Sircar, G., Bhowmik, M., Sarkar, R.K., Naja,

N., Dasgupta, A., Focke-Tejkl, M., Flicker, S., Mittermann, I., Valenta, R., **Bhattacharya, K. & Gupta Bhattacharya, S.** (2020). *The Journal of Biological Chemistry*, 295, 2736-2748. doi: 10.1074/jbc.RA119.011659

A wild encounter to ensure a food secure 2050. Das, B., Sengupta, S., **Bhattacharya, K. & Gupta Bhattacharya, S.** (2019). *Current Science*, Vol. 117, No. 12, 1942-1044

Influence of different cytokinins on micropropagation of an important medicinal plants *Solanum erianthum* D Don and assessment of genetic fidelity of the regenerants. Sarkar J and **Banerjee N.** (2020) *In vitro cellular and Development Biology*, 53(4), 480-490.

Orchestration of Cu-Zn SOD and class III peroxidase with upstream interplay between NADPH oxidase and PM H<sup>+</sup>-ATPase mediates root growth in *Vigna radiata* (L.) Wilczek. Majumdar, A. and **R.K. Kar.** (2019) *Journal of Plant Physiology*, 232: 248-256. <https://doi.org/10.1016/j.jplph.2018.11.001>.

Role of light intensity-dependent changes of thiol and amino acid metabolism in the adaptation of wheat to drought. Gyugos, M., Ahres, M., Gulyás, Z., Szalai, G., Darkó, E., Végh, B., Boldizsár, A., Mednyánszky, Z., **Kar, R.K.**, Dey, N., Simon-Sarkadi, L., Galiba, G., and Kocsy G. (2019) *Journal of Agronomy and Crop Science*. <https://doi.org/10.1111/jac.12358>.

Chloroplast avoidance movement: A novel paradigm of ROS signaling. Majumdar, A. & **R.K. Kar.** (2020) *Photosynthesis Research* 144(1): 109-121. DOI: 10.1007/s11120-020-00736-9.

Phosphate deficiency induced biofilm formation of *Burkholderia* on insoluble phosphate granules plays a pivotal role for maximum release of soluble phosphate. Ghosh R, Barman S, **Mandal N C** (2019) *Scientific Reports*,9:5477/ <https://doi.org/10.1038/s41598-019-41726-9>

Production of bioactive compounds with bactericidal and antioxidant potential by endophytic fungus *Alternaria alternata* AE1 isolated from *Azadirachta indica* A. Juss. Chatterjee S, Ghosh R, **Mandal N C** (2019) *PloS ONE*, <https://doi.org/10.1371/journal.pone.0214744>.

Study of hydrogen bonding interaction of acridine orange with different acceptor molecules by spectroscopic, theoretical, and antimicrobial studies. Karmakar A, Banerjee S, Singh B and **Mandal NC** (2019). *J Mol Struct.* 1177: 418-429 (<https://doi.org/10.1016/j.jmolstruc.2018.09.074>).

Inhibition of biofilm- and hyphal- development, two virulent features of *Candida albicans* by secondary metabolites of an endophytic fungus *Alternaria tenuissima* having broad spectrum antifungal potential. Sohini Chatterjee, Ranjan Ghosh, **Narayan Chandra Mandal** (2020) *Microbiological Research* 232, 126386 (<https://doi.org/10.1016/j.micres.2019.126386>). (Online 2019)

Synthesis, spectroscopic, theoretical and antimicrobial studies on molecular charge transfer complex of 4-(2-thiazolylazo) resorcinol (TAR) with 3,5-dinitrosalicylic acid, picric acid and chloranilic acid. Karmakar A, Bandyopadhyay P, Banerjee S, **Mandal NC** and Bula Singh (2020) *Journal of Molecular Liquids* 299, 112217 (<https://doi.org/10.1016/j.molliq.2019.112217>) (Online 2019).

Phytochemical study and antioxidative property of polyphenol rich fraction from *Termitomyces medius*. Mitra P, Dutta AK, **Mandal NC** and Acharya K (2020) *Research Journal of Pharmacy and Technology* 12: 4287-4294 (<http://dx.doi.org/10.5958/0974-360X.2019.00737.6>) (Online 2019).

Draft Genome Sequence of Cold-Tolerant *Kurthia gibsonii*B83, Isolated from Spinach Leaf. Mukhopadhyay BC, Mitra S, Kazi TA, Mandal S, **Biswas SR** (2019). *Microbiology Resource Announcements* (American Society of Microbiology), Vol. 8, issue-11, e01480-18.

Floral biology, breeding system and pollination of *Oxystelma esculentum* (L.f.) Sm. Pal, S. and **Mondal, S.** (2019): *The International Journal of Plant reproductive Biology*, 11(2):176-181, DOI:10.14787/ijprb.2019 11.2.

Studies in Pharmacognostic characters of the climber *Erycibe paniculata* Roxb. of Convolvulaceae. Swarnendu Mondal and **Chowdhury Habibur Rahaman** (2020) *Journal of Medicinal Plants Studies* 8(2): 112-125.

Antibacterial activity of desiccated cyanobacterium *Anabaena* sp. isolated from terracotta monuments of Bishnupur, West Bengal Bhakat, S., Saha, S., Mandal, S., and **Rath, J.** (2020) *Int. J. Pharm. Sci. Drug Res.* 12: 94 – 98.

Investigation of therapeutically active constituents of homeopathy medicine from *Justicia adhatoda* L. and its clinical verification Mandal S, Mandal TK and **Rath J** (2019) *J Pharmacogn Phytochem* 8 3790-3796.

Composition and Diversity of Tree Saplings in Raniganj Coalfield of West Bengal. Malakar, S. and **Gupta (Joshi) H.** (2019) *International Journal of Research and Analytical Reviews*, 6(1):667-672.

Population Structure and Diversity of Trees in Amarkutir, a Tropical Dry Deciduous Forest of West Bengal, India. Kumar M. L., Nag A., Malakar S. and **Gupta (Joshi) H** (2020) *Indian Journal of Ecology*, 47(1): 150- 154.

A *Bacillus* strain TCL isolated from Jharia coalmine with remarkable stress responses, chromium reduction and bioremediation potential, Banerjee, S., Misra, A., Chaudhury, S., **Dam, B.**, (2019) *J of Hazardous Materials* 367:215-223

Comparative sequence analysis identified multiple replication systems and virulence determinants to be frequently encoded on large plasmids of *Escherichia coli*, Sinha, S., Sen, S.K. and **Dam B.** (2019) *Ecological Genetics and Genomics* 12:100039

Moderate halophilic bacteria, but not extreme halophilic archaea can alleviate the toxicity of short-alkyl side chain imidazolium-based ionic liquids, Pal, S., Sar, A. and **Dam, B.**, (2019) *Ecotoxicology and Environmental safety* 184: 109634

## Department of Statistics

### Conference/Seminar/Workshop/Exhibition etc.

#### **Sudhansu S. Maiti**

30.10.2019: Delivered an invited lecture entitled "A Generalized Process Index which includes the standard ones" at the department of Statistics, Central University of Rajasthan, Ajmer.

21.12.2019-23.12.2019: Attended and presented an invited paper entitled "Generalized Process Capability Indices and their role in Quality Management" and chair a session in International Conference on Recent Advances in Statistics and Data Science for Sustainable Development held at Post Graduate Department of Statistics, Utkal University, Bhubaneswar.

#### **Arindom Chakraborty**

16.09.2019: Delivered a lecture entitled "Application of "R" in Research & Development" organized by A.K. Dasgupta Centre for Planning and Development [A Centre sponsored by the NITI AAYOG, Govt. of India] at Santiniketan.

22.09.2019-25.09.2019: Delivered a lecture entitled "Identifying Higher Order Drug-Drug Interaction Effects using Mixture Model" at the Applied Statistics 2019 International Conference held at Lake Bled, Slovenia.

#### **Tirthankar Ghosh**

28.04.2019: Delivered invited Lecture at the inaugural session of a certificate course (RUSA sponsored) on "Instrumentation and Data Analysis" at Midnapore College (Autonomous), Medinipur, West Bengal.

10.05.2019-11.05.2019: Acted as invited speaker in Two Days National Workshop on Quantitative Techniques in Social Sciences by Software at Sarajini Naidu College for Women, Kolkata.

6.08.2019 : Delivered an invited lecture in the National Workshop on Research Methodology Workshop in Social Sciences held at AK Dasgupta Centre for Planning and Development (A Centre sponsored by the NitiAayog, Govt. of India), Visva-Bharati, Santiniketan, W.B.

11.09.2019: Delivered lecture as resource person in the seminar ICT-Enabled Education at Mahadevananda Mahavidyalaya, Barrackpore.

23.09.2019: Delivered an invited lecture in the National Workshop on Application of R in Research & Development held at AK Dasgupta Centre for Planning and Development (A Centre sponsored by the NitiAayog, Govt. of India), Visva-Bharati, Santiniketan, W.B.

#### **Saran Ishika Maiti**

8.12.2019: Delivered two lectures on Statistical Time Series Analysis (10:30 A.M-1:00 P.M and 2:00 P.M.- 5:30 P.M.) in the National Workshop on "Advanced application of R in Planning, Research and Development" held during 02/12/2019-11/12/2019 organized by A.K. Dasgupta Centre for the Planning and Development (A Centre sponsored by the NITI AAYOG, Govt. of India), Visva-Bharati, Santiniketan.

28.12.2019: Delivered an invited lecture entitled "A Modified Approach for Testing Independence of Error and Covariates in Nonparametric Regression" in International conference on Emerging Challenges in a Data-Centric World. Institute of Statistical Research and Training (ISRT), University of Dhaka, Bangladesh.

### **Soumalya Mukhopadhyay**

20.09.2019: Delivered two lectures (10:30 A.M-1:00 P.M and 2:00 P.M.- 5:30 P.M.) in the National Workshop on "Application of R in Research and Development" held during 14/09/2019-23/09/2019 organized by A.K. Dasgupta Centre for the Planning and Development, Visva-Bharati, Santiniketan.

9.12.2019: Delivered two lectures (10:30 A.M-1:00 P.M and 2:00 P.M.- 5:30 P.M.) in the National Workshop on "Advanced application of R in Planning, Research and Development" held during 02/12/2019-11/12/2019 organized by A.K. Dasgupta Centre for the Planning and Development, Visva-Bharati, Santiniketan.

### **Sourav Rana**

3.08.2019: Delivered an invited lecture on the course "Statistics Using R" at the department of Mathematics, Pingla Thana Mahavidyalaya, PaschimMedinipur, West Bengal.

29.011.2019: Delivered an invited lecture on "Statistical Techniques" at the department of Geography, Lady Brabourne College, Kolkata, West Bengal.

5.12.2019: Delivered an invited lecture on "Statistical Techniques" at the department of Geography, Lady Brabourne College, Kolkata, West Bengal.

10.12.2019: Delivered an invited lecture on the National Workshop "Advanced Application of R in Planning, Research and Development" held from 2/12/2019 to 11/12/2019 at A.K. Dasgupta Centre for the Planning and Development, Visva-Bharati, Santiniketan, West Bengal.

27.02.2020: Delivered an invited lecture on the workshop "Data Analysis Using Statistical Tools Techniques and Packages" at the department of Agricultural Statistics PSB, Visva-Bharati, Santiniketan, West Bengal.

### **Academic distinctions**

#### **Sudhansu S. Maiti**

Elected Member, Council of Directors, Calcutta Statistical Association, Kolkata for 2020.

Expert Member, PGBOS, Department of Statistics, Raiganj University.

#### **Tirthankar Ghosh**

Acted as Reviewer for Journal of Applied Statistics, Taylor & Francis Group.

#### **Saran Ishika Maiti**

Acted as Reviewer for Journal of Applied Statistics, Taylor & Francis Group, Calcutta Statistical Association Bulletin, Sage Publications.

### **Publications**

Sampling inspection plan for exponentially distributed quality characteristic and beyond, Tripathi, H., Maiti, S. S., Biswas, S. and Saha, M. (2020): IAPQRTransactions, 44(2), 157-173.

Distribution dependent equalization of scores towards removing examiners' bias: A case study of an english paper, Sahu, S., Harirajan, K., Maiti, S. S., Mahapatra, G. and Sahu, S. (2020): International Journal for Research in Engineering Application and Management, 5(12), 127-135.

Asymptotic and bootstrap confidence intervals for the process capability index cpy based on lindley distributed quality characteristic, Saha, M., Kumar, S., Maiti, S. S., Yadav, A. S. and Dey, S. (2020): American Journal of Mathematical and Management Sciences, 39(1), 75-89.

A note on estimation of the pdf and cdf of the lognormal distribution, Mukherjee, I. and Maiti, S. S.

(2019): Proceedings of Institute for Mathematics, Bio-informatics, Information-technology and Computer-science, 8, 163-174.

Estimation in constant stress partially accelerated life tests for Weibull distribution based on censored competing risks data, Hassan, A. S., Nassr, S. G., Pramanik, S. and Maiti, S. S. (2020): Annals of Data Science, 7, 45-62.

Bootstrap Confidence Intervals of CpTk for two parameter Logistic Exponential distribution with applications, Saha, M., Dey, S. and Maiti, S. S. (2019): International Journal of System Assurance Engineering and Management, 10(4), 623-631.

Odds xgamma-G family of distributions, Maiti, S. S. and Pramanik, S. (2019): IAPQR Transactions, 43(2), 135-163.

Aerobiology, epidemiology and disease forecasting of false smut disease of rice in West Bengal, India. Saha, M., Chakraborty, A. and Bhattacharya, K. (2020): Aerobiologia, 36, 299-304.

$p < .05$  is not enough Maiti, S. I. and Saikia, S. (2019): Advances in Zoology and Botany, 7(2), 24-27.

Effect size-a magic wand for fickle p-value in experimental biological research. Maiti, S.I. and Saikia, S. (2019): Journal of Advanced Scientific Research, 10(4), 1-7.

Evidences of Allee Effect in Winter Crops: A Model Based Study, Mukhoadhyay, S., Sharma, R.C., Bhattacharya, S. and Banik, P. (2020): International Journal of Plant Production, 14(2), 287-297



## Department of Computer and System Sciences,

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.

### NET:

1. Sayan Das (WB0205202805)
2. Subinoy Manna (Wb04500603)
3. Sandip Dutta (WB0405201546)
4. Debasis Maji (WB0205202792)
5. Wasim Hayder (WB02501132)
6. Sujay Das (WB0205202767)
7. Rahul Dev Mondal (WB0205202772)
8. Soumyadip Majumdar (WB04500022)

### SLET:

1. Aishwarya Kayal (14030385)
2. Sandip Dutta (22001365)

### GATE:

1. Sourab Mandal (CS19S36052563)
2. Arindam Ghosh (CS19S34034011)
3. Tanmoy Chowdhury (CS20S64034073)
4. Subinoy Manna (CS20S66043190)
5. Bishweshwar Shome (CS20S66053031)
6. Rahul Dev Mondal (CS20S64034018)
7. Wasim Hayder (CS20S64034025)
8. Soumyadip Majumdar (CS19S34034045)
9. Sharabindu Meta (CS20S64034033)
10. Shabnam Sultana Rainy (CS20S64033015)

### Departmental Seminar (Speakers, Title of the Seminar, Date):

12.02.2020 to 16.02.2020 Organized a five day workshop titled "Application of Python in Big Data, Natural Language Processing (NLP), and Social Network Analysis (SNA)" in technical collaboration with IEEE computational Intelligence Society, Kolkata chapter

**Only National and International standard Conference / Seminar / Workshop / Exhibition etc. Attended by Teachers / Research scholars in details.**

### Teachers:

#### Paramartha Dutta:

- i. 11.07.2019 Invited lecture entitled "Machine Intelligence for Big Data Challenges", during 08/07/2019 to 12/07/2019 at Siliguri Institute of Technology, West Bengal, India
- ii. 18.07.2019 Invited lecture entitled "Machine Intelligence for Big Data Challenges", during 15/07/2019 to 19/07/2019, organized by the Department of Information Technology, RCC Institute of Information Technology, Kolkata, West Bengal, India on

- iii. 24.07.2019 Invited lecture entitled "Handling images and tables on LaTeX", organized by the Department of Information Technology, RCC Institute of Information Technology, Kolkata, West Bengal, India.
- iv. 07.08.2019 Invited lecture entitled "Machine learning and cloud computing", during 06/08/2019 to 08/08/2019 organized by the Department of Applied Electronics and Instrumentation Engineering, RCC Institute of Information Technology, Kolkata, West Bengal, India.

**Utpal Roy**

- i. 31.01. 2020 Delivered a Keynote Speech: Keystroke Dynamics and Its Applications to Information Technology, VIT, Vellore-632014, Tamil Nadu, India.
- ii. 7.2.2020-8.02. 2020 Invited Talk: Keystroke Dynamics: Issues related to user identification and authentication. IEEE-National Conference on Emerging Trends on Sustainable Technology and Engineering Applications B C Roy Engineering College, Durgapur.

**Debaditya Barman**

- i. 20.02 2020 -22.01.2020 Presented a research paper titled "Personalized query recommendation system : A genetic algorithm approach" in the Second International Conference on Sustainable Computing in Science, Technology and Management (SUSCOM 2020), Amity University Rajasthan, Jaipur, India.

**Research Scholars:**

**Avishek Nandi:**

- i 7.06.2019 to 8.06. 2019 Attended 3rd INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING AND COMMUNICATION (ICICC - 2019), DayanandaSagar University, Bengaluru, Karnataka 560078
- ii 29.06.2019 to 30.06. 2019 Attended Workshop on PYTHORCH, Technology Campus, Calcutta University, JD-2, JD Block, Sector III, Bidhannagar, Kolkata, West Bengal 700106
- iii 1.11.2019 to 2.11.2019, Attended 6th International Conference on Information System Design and Intelligent Applications (INDIA 2019) Lendi Institute of Engineering and Technology, Vizianagaram, Andhra Pradesh, India.

**Md Nasir**

- i 29.06.2019 to 30.06.2019, Attended Workshop on PYTHORCH, Technology Campus, Calcutta University, JD-2, JD Block, Sector III, Bidhannagar, Kolkata, West Bengal 700106.
- ii 7.06.2019 to 8.06.2019 Attended 3rd INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING AND COMMUNICATION (ICICC - 2019), DayanandaSagar University, Bengaluru, Karnataka 560078
- iii 1.11.2019 to 2.11. 2019, Attended 6th International Conference on Information System Design and Intelligent Applications (INDIA 2019) Lendi Institute of Engineering and Technology, Vizianagaram, Andhra Pradesh, India.

**Abu Sufian:**

- i 29.10.2019-31.10. 2019 Three days Bhuvan Overview Training organized by NRSC, ISRO, Hyderabad, India.
- ii 03.02. 2020 to 04.02. 2020, Paper presented in the International Conference on Computer Communication and Internet of Things (ICCCIoT 2020) held at Tripura University, Agartala,

Tripura, India.

- iii 13.05.2019-14.05. 2019, Invited Speaker on Article writing using LaTeX in National Symposium on Foundation and Advances in Research Methods & Computing(NSFARAC 2019), Raiganj University

#### **Farhana Sultana**

- i Attended "Two Days Workshop on Research Methodology", 24-25 November 2019, At Conference Hall, Central Library, Visva-Bharati.

#### **Prabhash Singh:**

- i 24.11.2019-25.11.2019, Participated in two-day workshop on "Research Methodology" organized by Visva-Bharati Library Network, Visva-Bharati
- ii 12.02.2020-16.02.2020.Participated in five-day workshop on "Application of Python in Big Data, Natural Language Processing (NLP) and Social Network Analysis (SNA)" organized by Department of Computer and System Sciences, Visva-Bharati.

#### **Arindam Karmakar:**

- i 12.02.2020to 16.02. 2020 Participated in a Five Day Workshop on "Application of Python in Big Data Natural Language Processing (NLP) and Social Network Analysis (SNA)" held at the Department of Computer & System Sciences, Siksha Bhavana (Institute of Science), Visva-Bharati, Santiniketan, WB, India.

### **Publications within the year April 2019 - March 2020**

#### **Individual Publication:**

- a. Single Author (From Department):
  - i. Journal:
    1. Matching formulation of the Staff Transfer Problem: meta-heuristic approaches, Sriyankar Acharyya and Alak K Datta, OPSEARCH 57, 629-668(2020)
    2. "Influence of Shape and Texture features in Facial Expression Recognition", A.Barman and Paramartha Dutta, IET Image Processing, Vol.13, pp. 1349-1363, April 2019, DOI:10.1049/ietipr.2018.5481. (IET).
    3. "EF-index: Determining numbers of clusters (K) to estimate number of segments(S) in an image", M. K. Bhowmik, T. Debnath, D. Bhattacharjee, Paramartha Dutta, Image and Vision computing, Vol. 88, pp. 29-40, DOI:10.1016/j.imavis.2019.04.009. April 2019.
    4. "Facial expression recognition using distance and texture signature relevant features", A. Barman and Paramartha Dutta, Applied Soft Computing, Vol.77, pp. 88-105, DOI: [https:// doi.org/10.1016/j.asoc.2019.01.011](https://doi.org/10.1016/j.asoc.2019.01.011), 01/04/2019.
    5. "Automatic Clustering by Multi-Objective Genetic Algorithm with Numeric and Categorical Features", Dipankar Dutta, Jaya Sil, Paramartha Dutta, Expert Systems with Applications, Vol. 137, pp. 357-379, DOI: <https://doi.org/10.1016/j.eswa.2019.06.056>, 2019.
    6. Personalized query recommendation system: A genetic algorithm approach. Debaditya Barman, Ritam Sarkar, AnilTudu, & Nirmalya Chowdhury, (2020). Journal of Interdisciplinary Mathematics, 23(2), 523-535.
    7. k-Context Technique: A Method for Identifying Dense Subgraphs in a Heterogeneous Information Network." Debaditya Barman,Subhayan Bhattacharya, RitamSarkar, and Nirmalya

Chowdhury. IEEE Transactions on Computational Social Systems 6, no. 6 (2019): 1190-1205.

### **Conference & Publication**

1. "A Multipath Load Balancing Routing Protocol in Mobile Ad Hoc Network Using Recurrent Neural Network", in proceedings of International Conference on Computational Intelligence, Communications, and Business Analytics (CICBA 2018), Kalyani Government Engineering College, West Bengal, India. Arindrajit Pal, Paramartha Dutta, Amlan Chakrabarti and Jyoti Prakash Singh, CCIS 1030, pp. 458-464, 2019, Springer, DOI: [https://doi.org/10.1007/978-981-13-8578-0\\_36](https://doi.org/10.1007/978-981-13-8578-0_36).
2. "Impact of the Continuous Evolution of Gene Ontology on Similarity Measures," 8th International Conference on Pattern Recognition and Machine Intelligence (PREMI 2019), Madhusudan Paul, Ashish Anand, Saptarshi Pyne, Published in Lecture Notes in Computer Science (LNCS), vol. 11942, pp. 122-129, Springer, 2019.
3. Deep Learning Approach in Predicting Personal Traits Based on the Way User Type on Touchscreen, Computational Intelligence in Pattern Recognition. S. Roy, Utpal Roy, D.D. Sinha, In: Das A., Nayak J., Naik B., Pati S., Pelusi D. (eds), Advances in Intelligent Systems and Computing, vol 999. Springer, Singapore, 2020

### **Book (Author)**

1. Paramartha Dutta and A. Barman, Authored Book entitled "Human Emotion Recognition from Face Images", published by Springer Nature, ISBN 978-981-15-3882-7, 2020.

### **Book (Edited)**

1. Computational Intelligence, Communications and Business Analytics", J. K. Mandal, S. Mokhopadhyay, Paramartha Dutta and K. Dasgupta, Edited Book entitled "(Proceedings of the Second International Conference on Computational Intelligence, Communications and Business Analytics)", published by Springer Nature Singapore, DOI:10.1007/978-981-13-8578-0, ISSN:1865-0929, eISSN:1865-0937, ISBN 978-981-13-8577-3, eBook ISBN:978-981-13-8578-0, 2019.

### **Book Chapter**

1. "Center-Symmetric Local Binary Pattern-Based Image Authentication Using Local and Global Features Vector", Ashis Dey, Pabitra Pal, Partha Chowdhuri, Prabhash Kumar Singh and Biswapati Jana, Computational Intelligence in Pattern Recognition pp 489-501, 2020, Springer.
2. Data Hiding Based on Decagon-Shaped Shell", Subhadip Mukherjee, Partha Chowdhuri, Prabhash Kumar Singh and Biswapati Jana, Computational Intelligence in Pattern Recognition pp 339-348, 2020, Springer.

### **Joint Authors**

#### **Journal**

1. "Energy and Velocity Based Tree Multicast Routing in Mobile ad-Hoc Networks", Abu Sufian, Anuradha Banerjee, and Paramartha Dutta, Wireless Personal Communications, Vol. 107, pp. 2191-2209, DOI:10.1007/s11277-019-06378-y, April 2019.
2. "A QCA design and energy analysis of binary semaphore with a comprehensive case study" Sunanda Mondal, Mili Ghosh, Kakali Datta, Debarka Mukhopadhyay and Paramartha Dutta. Innovations in Systems and Software Engineering, Springer, <https://doi.org/10.1007/s11334->

019-00338-2, 2019

### **Conference & Publication**

"NC2H: Cooperation among nodes through Cluster Head in ad-hoc network", Abu Sufian, Anuradha Banerjee, Paramartha Dutta, 2<sup>nd</sup> International Conference on Communication, Devices and Computing (ICCDC 2019), Proceeding in Lecture Notes in Electrical Engineering book series, pp 139-147, Springer, Singapore.

"A Review of Object Detection Models based on Convolutional Neural Network", Farhana Sultana, Abu Sufian, Paramartha Dutta, 2<sup>nd</sup> International Conference on Communication, Devices and Computing (ICCDC 2019), Proceeding in Lecture Notes in Electrical Engineering book series, Springer, Singapore.

"Automatic Facial Expression Recognition using Histogram oriented Gradients (HoG) of Shape Information Matrix", Avishek Nandi, Paramartha Dutta and Md. Nasir, proceedings of 3<sup>rd</sup> International Conference on Intelligent Computing and Communication (ICICC - 2019), Dayananda Sagar University, School of Engineering, Bangalore, India, Intelligent Computing and Communication, pp 343-351, Springer Singapore, 2019.

"Recognition of change in facial expressions from video sequence using incenter-circumcenter pair gradient Signature", Md. Nasir, Paramartha Dutta and Avishek Nandi, proceedings of 6<sup>th</sup> International Conference on Information System Design and Intelligent Applications (INDIA 2019), Lendi Institute of Engineering & Technology, Visakhapatnam, AP, India, Intelligent System Design, pp 771-779, Springer Singapore, 2020.

"A Tree Multicast Routing Based on Fuzzy Mathematics in Mobile Ad-Hoc Networks." Abu Sufian, Anuradha Banerjee, and Paramartha Dutta. In Applications of Internet of Things, pp. 107-117. Springer, Singapore.

"Tracking changing human emotions from facial image sequence by landmark triangulation: A incircle-circumcircle duo approach", MdNasir, Paramartha Dutta and Avishek Nandi, (eds. J.K. Mandal, S.Mukhopadhyay, Paramartha Dutta, K.Dasgupta), Algorithms in Machine Learning Paradigms in Studies in Computational Intelligence series (Series eds. Janusz. Kacprzyk), pp.129-146, Springer Nature, ISSN: 1860-949X, 2019.

Recognizing Human Emotions from Facial Images by Landmark Triangulation: A Combined Circumcenter-Incenter-Centroid Trio Feature Based Method", Avishek Nandi, Paramartha Dutta and MdNasir, (eds. J.K. Mandal, S.Mukhopadhyay, Paramartha Dutta, K.Dasgupta), Algorithms in Machine Learning Paradigms in Studies in Computational Intelligence series (Series eds. Janusz. Kacprzyk), pp.147-164, Springer Nature, ISSN: 1860-949X, 2019.

A study on the influence of Angular Signature of landmark induced Triangulation in recognizing changes in human emotion. Md. Nasir, Paramartha Dutta, & Avishek Nandi. (2020). Computational Intelligence for Human Action Recognition. CRC Press, Taylor and Francis.

Face Expression Recognition using Side Length Features Induced by Landmark Triangulation. Avishek Nandi, Paramartha Dutta, & M. Nasir, (2020). Computational Intelligence for Human Action Recognition. CRC Press, Taylor and Francis.

"Fundamental concepts of convolutional neural network." Anirudha Ghosh, Abu Sufian, Farhana Sultana, Amlan Chakrabarti, and Debashis De. Recent Trends and Advances in Artificial Intelligence and Internet of Things, pp. 519-567. Springer, Cham, 2020.

**Designing New Course / Curriculum or any other teaching innovations introduced by the Department:**

- i. Department has designed the syllabus of proposed M.Tech. in Computer Science.
- ii. Department has designed the syllabus of proposed M.Sc. in Computer Science.

**Any other relevant information, which in the opinion of the Head of the Department is worth-reporting, should be included**

- a. Prof. Paramartha Dutta received INSA Teacher Award, 2019, National Award, Awarding Agency: Indian National Science Academy (Govt. of India), 16/12/2019 - 18/12/2019.
- b. Prof. Utpal Roy acted as a reviewer for the prestigious Journal ACM Transactions on Asian and Low-Resource Language Information Processing.
- c. Prof. Utpal Roy served as a chancellor nominee in following University:
  - i. Jadavpur University, Department of IT
  - ii. Calcutta University, Department of IT
  - iii. West Bengal University of Technology (Presently MAKAUT) Kolkata

## Department of Environmental Studies

The Department of Environmental Studies (DES), Siksha Bhavana, Visva-Bharati was established in 1999 during the IX<sup>th</sup> Plan period as the Centre for Environmental Studies. The Centre became a Department in the year 2012. The Department provides new dimensions in the various fields of environment with an interdisciplinary approach. It also highlights the distinguishing features of culture, tradition and ethos of Rabindranath Tagore regarding thorough global perspective and trends. The Department started its academic curriculum from the session 2000-2001, with the teaching of compulsory course in environmental studies for all second year undergraduate students of the university. The Department introduced M.Sc. and Ph.D course in Environmental Sciences from 2003 and started M. Sc. Course in Environmental Science from the session 2003-04. The faculty members of the Department are doing research work on different aspects of environment. During the year 2014-15, the department has got the DST-FIST sanction grant of Rs. 1.0 crore and some sophisticated instruments have been procured out of the FIST grant (1st installment) already and the department will develop good infrastructure for quality research, in different fields of environment. One of its founding objectives has been to act as a Nodal Department in the Eastern India, in the field of Environmental Studies.

Name of the students qualified in UGC/CSIR/NET/SLET and GATE examination:

Sl. No.	Name of the Student	Qualifying examination
1	Suman Samanta	UGC NET
2	Buddhadev Ghosh	UGC NET
3	Debasmita Behara	UGC NET
4	Tulika Saha	UGC NET
5	Amina Khatun	UGC NET
6	Parul Kuiry	UGC NET
7	Abhiskek Dutta	UGC NET
8	Sathi Koner	UGC NET
9	Pronoy Ghosh	GATE
10	Srijaya Nandi	GATE
11	Aman Basu	IELET

### Departmental Seminar:

- i). 08, September 2019 Department of Environmental Studies, Visva-Bharati conducted an one day International Workshop on "Recent developments in Renewable Energy And Rural Empowerment", jointly organized by DST-MI, (Govt. of India), Visva-Bharati and NBIRT, Kolkata at the Seminar Hall of Department of Zoology, Visva-Bharati
- ii). 23-25 November, 2019 International Workshop on 'Tools and Techniques in Air Quality and Health Impacts Assessment', Organized in support of funds from SPARC-MHRD, Govt. of India The department also organized the following seminar lectures by eminent persons:

Sl.	Name of the Speaker	Title	Date
1	Prof. Nigel Hughes, Dept. of Earth Sciences, University of California, USA	What does Earth History tells us about its future and the climate change issue?	03.02.2020
2	Prof. Meidad Kissinger, Ben-Gurion University of the Negev, Israel	Towards an inter regional approach to sustainability in a globalizing inter connected world	18.08.2019
3	Prof. R Paulraj, School of Environmental Sciences, JNU, New Delhi	Health implications of mobile phone radiation	20.07.2019

**National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in detail**

**ShibaniChaudhury**

- a) 27 - 30, November 2019 Aman Basu, Ankita Laha, Indranil Bhui, Anita Biswas, Krishanu Sarkar, Shibani Chaudhury and Srinivasan Balachandran (2019) Biogas potential of kitchen waste at Visva-Bharati, Santiniketan, where AmanBasu got the Icon SWM Excellence Award 2019, in The 9<sup>th</sup> International Conference on Sustainable Waste Management towards Circular Economy held at KIIT University, Bhubaneswar.
- b) 9-10 August 2019, Binoy Kumar Show, Shibani Chaudhury, S. Balachandran (2019) Isolation of lignin degrading bacteria : A initial step for lignin and other recalcitrant waste bioremediation, National Symposium on Waste Management and Resource Circulation (NSWMRC-2019) Organised by National Institute of Technology Durgapur (NITD), West Bengal, India In Collaboration with CSIR - Central Mechanical Engineering Research Institute (CSIR-CMERI), Durgapur, India.
- c) 9-10 August 2019 Debasree Sinha, S. Balachandran, ShibaniChaudhury (2019) Noxious weeds as an alternative form of energy: an approach to environmental management, National Symposium on Waste Management and Resource Circulation(NSWMRC-2019), Organised by National Institute of Technology Durgapur (NITD), West Bengal, India In Collaboration with CSIR - Central Mechanical Engineering Research Institute (CSIR-CMERI), Durgapur, India.
- d) 2<sup>nd</sup> June 2019 Shibani Chaudhury and S. Balachandran (2019) Air Pollution and health: Possible solution, Bakreshwar Thermal Power Plant, World Environment Day.
- e) 5 June 2019 S. Balachandran and Shibani Chaudhury (2019) Fly ash-Utilization in Agriculture by vermicomposting, Bakreshwar Thermal Power Plant, World Environment Day.
- f) 27 June 2019 S. Balachandran, Shibani Chaudhury, Amit Hazra (2019) Biomass supply chains and invasive biomass in India, paper presented at: Plant power: bioenergy as a renewable resource, Royal Botanical Gardens Kew, London



- g) 27 June 2019 Shibani Chaudhury, Amit Hazra, S. Balachandran, (2019) Socio-economic consideration of Rural Bioenergy System, paper presented at: Plant power: bioenergy as a renewable resource, Royal Botanical Gardens Kew, London
- h) 1 August 2019 Shibani Chaudhury- Biomass to Bioenergy: Experience from Research Project, Invited Lecture, AKD Centre for Planning and Development, VisvaBharati,
- i) 21 September 2019 Shibani Chaudhury-Electricity from Water Hyacinth, Invited Lecture at PathaBhavana,

#### **Pratap Kumar Padhy**

- a) 9-10 December, 2019 Chowdhury, M., Ghosh, S. and Padhy, P. K. (2019). Indoor air pollution associated with solid biomass fuel use in rural kitchen. Oral presentation in the 4th Regional Science & Technology Congress, The University of Burdwan, Bardhaman.

#### **S. Balachandran**

- a) 9-10 August 2019 Binoy Kumar Show, Shibani Chaudhury, S. Balachandran (2019) Isolation of lignin degrading bacteria : A initial step for lignin and other recalcitrant waste bioremediation, National Symposium on Waste Management and Resource Circulation (NSWMRC-2019), Organised by National Institute of Technology Durgapur (NITD), West Bengal, India In Collaboration with CSIR - Central Mechanical Engineering Research Institute (CSIR-CMERI), Durgapur, India.
- b) 9-10 August 2019, Debasree Sinha, S. Balachandran, Shibani Chaudhury (2019) Noxious weeds as an alternative form of energy: an approach to environmental management, National Symposium on Waste Management and Resource Circulation (NSWMRC-2019) Organised by National Institute of Technology Durgapur (NITD), West Bengal, India In Collaboration with CSIR - Central Mechanical Engineering Research Institute (CSIR-CMERI), Durgapur, India.
- c) 5<sup>th</sup> June 2019 Shibani Chaudhury and S. Balachandran (2019) Air Pollution and health: Possible solution, Bakreshwar Thermal Power Plant, World Environment Day.
- d) 27 June 2019 S. Balachandran, Shibani Chaudhury, Amit Hazra (2019) Biomass supply chains and invasive biomass in India, paper presented at: Plant power: bioenergy as a renewable resource, Royal Botanical Gardens Kew, London
- e) 27 June 2019 Shibani Chaudhury, Amit Hazra, S. Balachandran, (2019) Socio-economic consideration of Rural Bioenergy System, paper presented at: Plant power: bioenergy as a renewable resource Royal Botanical Gardens Kew, London
- f) 3 - 4 March 2020, Ramesh K and S. Balachandran, Traditional management of water bodies and its sustainability - A study from village of Perambalur district, Tamil Nadu, Biomillennium' 2020 International Conference On A Special Focus On Translational Biomedicine Research For Metabolic Diseases, Organised by Department of Bioscience, Vivekanandha College Of Arts And Sciences For Women Elayampalayam-637 205, Tiruchengode, Namakkal, Tamilnadu, INDIA. D

### **5. Ongoing Research Projects in the Departments:**

#### **Shibani Chaudhury**

1. Name of the Project; "Development, Research and Pilot scale installation of solar-hydro pumped storage scheme in a remote village of Manipur to ensure 24x7 electricity"

Sponsoring agency; DST, November 2018-October 2020

Collaboration with Dr. S P Gonchaudhury, NBIRT Kolkata

Amount Sanctioned; Rs. 2,60,67,500 of which amount for Visva-Bharati is Rs. 88,57,000. Prof. Shibani Chaudhury, Dept. of Environmental Studies is the Principal Investigator and Prof. Amit Kumar Hazra, Department of Lifelong Learning & Extension, PSV and Dr. S. Balachandran, Dept. of Environmental Studies are the Co-Investigators of the project.

2. Name of the Project: "BioEnergy, Fertiliser and clean Water from invasive Aquatic Macrophytes"  
Sponsoring Agency: Biotechnology and Biological Sciences Research Council ("BBSRC") (the "Funder"), United Kingdom under the GCRF Industrial Biotechnology and Bioenergy in the Developing World fund,

Period: January 2019-December 2021

Amount Sanctioned; Rs. 2,37,85,233.43. Prof. Shibani Chaudhury, Dept. of Environmental Studies, Prof. Amit Kumar Hazra, Department of Lifelong Learning & Extension, PSV and Dr. S. Balachandran, Dept. of Environmental Studies are the Co-Investigators of the project, Principal Investigator of the Project Andrew B Ross, University of Leeds, UK.

3. Name of the Project: Teachers Associateship for Research Excellence (TARE) to Dr. M Senthil, Kumar, St. Xavier's College, St. Xavier's Road, P.O. Sripally, Burdwan, West Bengal - under the mentorship of Prof. Shibani Chaudhury at Visva-Bharati, Santiniketan. Bolpur - 731235

Sponsoring Agency: SERB-DST

Amount sanctioned: Rs. 18,30,000/-

Duration of the project: November 2018-October 2021

### **Pratap Kumar Padhy**

1. Name of the Project: Scheme for Promotion of Academic and Research Collaboration (SPARC) titled "Fine particulates matters in the air environment and their cancer risks in human beings".

Principle Investigator: Prof. Pratap Kumar Padhy, Department of Environmental Studies.

Funding agency, MHRD, Government of India

Sponsoring Agency: Rs. 70,77,190

Duration of the Project: March 2019-September 2021

### **Pulak Kumar Patra**

1. Name of the Project: Scheme for Promotion of Academic and Research Collaboration (SPARC) titled "Fine particulates matters in the air environment and their cancer risks in human beings".

Co PI: Dr. Pulak Kumar Patra, DES

Funding agency, MHRD, Government of India

Sponsoring Agency: Rs. 70,77,190

Duration of the Project: March 2019-September 2021

### **S. Balachandran**

1. Name of the Project; "Development, Research and Pilot scale installation of solar-hydro pumped storage scheme in a remote village of Manipur to ensure 24x7 electricity"

Sponsoring agency; DST, November 2018-October 2020

Collaboration with Dr. SP Gonchaudhury, NBIRT Kolkata

Amount Sanctioned; Rs. 2,60,67,500 of which amount for Visva-Bharati is Rs. 88,57,000. Prof. Shibani Chaudhury, Dept. of Environmental Studies is the Principal Investigator and Prof. Amit Kumar Hazra, Department of Lifelong Learning & Extension, PSV and Dr. S. Balachandran, Dept. of Environmental Studies are the Co-Investigators of the project.

2. Name of the Project: "BioEnergy, Fertiliser and clean Water from invasive Aquatic Macrophytes"  
Sponsoring Agency: Biotechnology and Biological Sciences Research Council ("BBSRC") (the "Funder"), United Kingdom under the GCRF Industrial Biotechnology and Bioenergy in the Developing World fund,

Period: January 2019-December 2021

Amount Sanctioned; Rs. 2,37,85,233.43. Prof. Shibani Chaudhury, Dept. of Environmental Studies, Prof. Amit Kumar Hazra, Department of Lifelong Learning & Extension, PSV and Dr. S. Balachandran, Dept. of Environmental Studies are the Co-Investigators of the project, Principal Investigator of the Project Andrew B Ross, University of Leeds, UK.

3. Name of the Project: "Earthworm Gut Microbes Mediated Carcinogenic Polycyclic Aromatic Hydrocarbons (CPAHs) Remediation in Contaminated Soil" submitted to DBT under Twinning Program

Sponsoring Agency; DBT Twinning project, Period; December 2018-December 2021

Collaboration with Department of Environmental Sciences, Tezpur University

Amount Sanctioned:Rs. 56,39,200 /- of which amount for Visva-Bharati is Rs. 2254600 /-. Dr. S. Balachandran (PI), Dept. of Environmental Studies and Prof. N.C. Mandal, Dept. of Botany, Visva-Bharati (Co-PI).

### **Extension activities/NSS/cultural and other activities organized by the department and participated by the teachers and students of the department**

An Industrial Tour to Bakreswar Thermal Power Plant on February 19, 2020 for the M.Sc. students, accompanied by the faculty members, was conducted as a part of the Environmental Science curriculum. The students gained experience on how the Thermal Power Plant operates and how electricity is produced from coal. They also understood how environmental pollution was monitored and controlled in these power plants.

The M.Sc. students, research scholars and faculty members of Department of Environmental Studies (DES) were actively involved in the Environmental Awareness Campaign in the PoushMela 2019. During this four days programme, the students and faculty members of DES monitored various environmental quality parameters (air and noise) of the Mela ground and its adjoining area. The Environment Cell, Visva-Bharati carried out procession in the Mela ground to create awareness of menace of plastic carry bags & plastic cups during Poush Mela. Painting and Slogan competitions were also held. The local tribal community also volunteered in this programme and sold their eco-friendly goods from the stall.

#### **i) Shibani Chaudhury**

1) Shibani Chaudhury - Water Crisis: World and India, Keynote Speaker in the seminar Water Crisis in India, organized by Department of Economics and Politics, Visva-Bharati, November 8, 2019

2) Shibani Chaudhury- Session Chairman for National Symposium on Waste Management and Resource Circulation (NSWMRC-2019) August 9-10 2019, Organised by National Institute of Technology Durgapur (NITD), West Bengal, India In Collaboration with CSIR - Central Mechanical Engineering Research Institute (CSIR-CMERI), Durgapur, India.

**ii) Pulak Kumar Patra**

1. Resource person at Faculty Development Programme (FDP) on Materials for Sustainable and Renewable Energy organized by Dumka Engineering College, Dumka, Jharkhand on 6th March, 2020.

**Publications within the year April 2019-March 2020:**

- 1) A Bacillus strain TCL isolated from Jharia coal mine with remarkable stress responses, chromium reduction capability and bioremediation potential, Banerjee S, Misra A, Chaudhury S, Dam B (2019) Journal of Hazardous Materials, 152. 1-6.
- 2) Evaluation of multiple applications of EDTA and LMWOAs on phytotoxicity and phytoextraction of Zn, Cd, Pb and Cu in soil with Tagetes sp. Syed Yakub Ali, Moumita Paul, Debopriya Bhattacharyya, Debasree Sinha and Shibani Chaudhury, 2019 Indian Journal of Soil Conservation, 47(1), 45-54.
- 3) Personal exposure to VOCs (BTX) and women health risk assessment in rural kitchen from solid biofuel burning during cooking in West Bengal, India, Nayek, S. and Padhy, P. K. (2020). Chemosphere, 244, 125447.
- 4) Air pollution tolerance, anticipated performance, and metal accumulation indices of plant species for greenbelt development in urban industrial area. Karmakar, D. and Padhy, P. K. (2019). Chemosphere, 237, 124522.
- 5) Metals uptake from particulate matter through foliar transfer and their impact on antioxidant enzymes activity of *S. robusta* in a tropical forest, West Bengal, India. Karmakar, D. and Padhy, P. K. (2019). Archives of Environmental Contamination and Toxicology, 76, 605-616.
- 6) Exploring a multi-exposure-pathway approach to assess human health risk associated with groundwater fluoride exposure in the semi-arid region of east India, Mukherjee I, Singh U.K., Patra P.K. (2019) Chemosphere, 233, 164-173
- 7) Deriving PAR use efficiency of wet season rice from bright sunshine hour data and canopy characteristics, Samanta S., Banerjee S., Mukherjee A., Patra P.K. and Chakraborty P. (2019) Mausam, 70 (2), 349-358.
- 8) Effects of Tillage Operations on Changes of Carbon-di-oxide (CO<sub>2</sub>) Load and Yield of Wheat (*Triticum aestivum* L.) D. Pal, P.K. Patra, K. Mandal and D. Mukhopadhyay, 2019 Int.J. Curr. Microbiol. App. Sci., 8 (5), 1207-1217.
- 9) Hydrogeochemical characterisation and health hazards of fluoride enriched groundwater in diverse aquifer types, Hossain, M. and Patra, P.K., 2019 Environmental Pollution doi.org/10.1016/j.envpol.2019.113646.
- 10) Contamination zoning and health risk assessment of trace elements in groundwater through geostatistical modelling, Hossain, M. and Patra, P.K., 2020 Ecotoxicology and Environmental Safety v.189 <https://doi.org/10.1016/j.ecoenv.2019.110038>
- 11) Determining the radiation use efficiency of potato grown in Eastern India from sunshine hour

- data: a simple approach. Samanta, S; Banerjee, S; Mukherjee, A; Patra, PK; Chakraborty, PK, 2020 Spanish Journal of Agricultural Research, 18 (2), <https://doi.org/10.5424/sjar/2020182-15561>
- 12) Assessment of Thermal Power Station's Effluent on Heterotrophic Plate Counts and Total Coliform in Kota Berrage Lake, Rajasthan India, Kumar P, Ranjan M. R., Tripathi A., and Balachandran S. (2019) Ecology, Environment and Conservation, 25 (3), 1208-1212.

### **Book & Book Chapters**

1. Swain K.C., Chatterjee A.K., Patra, P.K. and Kandasamy P., (edited) 2020, Proceedings on Application of space and modern technology in Agriculture and Environment, Mukund Publication, Delhi-51, ISBN.978-93-84335-35-9
2. Patra, P.K. 2020 Remote Sensing in Water Resource Management in Swain K.C., Chatterjee A.K., Patra, P.K. and Kandasamy P., (edited) 2020, Proceedings on Application of space and modern technology in Agriculture and Environment, Mukund Publication, Delhi-51 p. 42-69.
3. Samanta S. and Patra, P.K., 2020 Geoinformatics in Climate Change Research Management in Swain K.C., Chatterjee A.K., Patra, P.K. and Kandasamy P., (edited) 2020, Proceedings on Application of space and modern technology in Agriculture and Environment, Mukund Publication, Delhi-51 p. 83-103.
1. Parveen Kumar, Manju Rawat Ranjan, Ashutosh Tripathi and S. Balachandran (2020) Assessment of bioassay test of the effluent and impact of selected physiochemical parameters of Kota super thermal power plant's effluent on Kota barrage lake water, Kota Rajasthan India, Plant Archives Vol. 20 Supplement 1, 2020 pp. 983-987.

### **Other relevant information:**

The faculty members of DES actively participate in environmental awareness programme in and around Santiniketan - Sriniketan - Bolpur areas. Resource persons are invited to the Department to help the students in different environmental activities.

## **Department of Biotechnology**

The teachers of the Department of Life sciences felt the need of starting a Centre for Biotechnology at Visva-Bharati during the last decade of last century and with their coordinated effort the Centre was established in 1997 for teaching the two years M.Sc. program in Biotechnology. Many teachers of Botany, Zoology and other relevant science Departments assisted in conducting the courses. In 2004 the Centre started receiving support for this M.Sc. program from the Department of Biotechnology, GoI. Under this program, students got admitted in to the course after qualifying in the all India based Combined Entrance Examination of Biotechnology (CEEB) conducted by JNU. The syllabus was also as per the model developed by DBT from time to time since then. Faculty positions were sanctioned for the centre by UGC and the teachers in Biotechnology joined in 2002 and onwards. The Centre was converted to a Department in 2010. Since then it has its own BOS and Head of the Department and is functioning as an independent Department under SikshaBhavana. The Department moved to the new science building of Siksha Bhavana in 2015 with dedicated laboratories for 7 teachers, one meeting cum-computer room, two class rooms, one practical room with dedicated instruments, one instrumentation room and one seminar-cum-auditorium with about 100 sitting capacity. However, the space is still insufficient considering the growth of the Department with almost every faculty with multiple projects from external funding agencies and a good number of research scholars working and publishing papers in referred journals with good impact factors. The Department still requires at least one class room for practical/Lab works, sitting room of HOD, one animal house and one cell culture facility to conduct important biotech experiments, one student common room and a Departmental library as we receive 1.5 lakhs each year from DBT to meet the need of literature as per the updated syllabus from time to time. The students of the department routinely qualified in several national level exams such as, NET, GATE etc. etc. The teachers are regularly bringing in extramural research funding. The department is running a vibrant PhD program and the students receiving PhD degrees are getting engaged in relevant fields of expertise regularly.

### **Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.**

Chandan Kumar Verma (NET)

Imran Ali (NET, GATE)

Devika Sunil (NET)

Koushik Chakraborty (GATE, SLET)

Rumpa Mahata (NET, SLET)

Khusbu Kumari (NET, GATE)

## Departmental Seminar (Speakers, Title of the Seminar, Date)

### M.Sc. Part-I students' seminar presentations

Name of the student	Date	Title of the talk
Aman	12/08/2019	Adulteration in food and some genuine cases
Anupriya Chattopadhyaya	12/08/2019	Role of circular RNAs in innate immunity
Bondada Manikanta	27/08/2019	Mechanism of HIV-1 infection and its regulation by Antiviral Therapy (ART)
Chandan Mishra	03/09/2019	Electrical signal and their physiological significance in plants
Smaran Banerjee		Antibiotic resistance
Lingareddy Tanusha		Plantibodies
Ankita Mondal	24/09/2019	Viral oncolysis
Shweta Soren	05/11/2019	Gene therapy
Ayan Mandal		Role of myonuclei in muscle memory
Anupriya Chattopadhyaya	04/02/2020	To die or not to die: Shigella has an answer
Bondada Manikanta	24/02/2020	Reasons behind depletion of CD4+ cells during HIV infection

### M.Sc. Part-II students' seminar presentations

Name of the student	Date	Title of the talk
Aman Kumar	30.07.2019	Aptamer
Chiranjibi Sahoo	30.07.2019	Bioentrepreneurship
Jessica Baa	05.11.2019	Bacillus thuringiensis: their biocidal activity
Khusbu Kumari	06.08.2019	Role of Plant Growth Promoting Rhizobacteria (PGPR) on plants.
Mukesh Kumar	20.08.2019	Influence of rhizobacterium inoculation on salinity tolerance.
Subham Saraswat Jyotirmaya	27.08.2019	Polymerase Chain Reaction (PCR).
Vivek Kumar	03.09.2019	DNA i-Motifs with Guanidino-i-Clamp residues: The counterplay between kinetics and thermodynamics and implications for the design of pH

Chiranjibi Sahoo	28.01.2020	sensors. Mechanism of amphotericin B resistance in clinical isolates of Leishmaniadonovani.
Jessica Baa	04.02.2020	Enhancing the growth of Camelina sativa using AtPAP2.
Mukesh Kumar	24.02.2020	Insect pest control by ecological engineering.

### PhD students' seminar presentations

Name of the student	Date	Title of the talk
Koushik Biswas	06.03.2020	Snapshot of oligonucleotide Microarray and its case study in wheat.
Alfred Besra	28.02.2020	Chloroplast-targeted expression of the codon-optimized truncated cry1Ah gene in transgenic tobacco confers a high level of protection against insects.
Kongkong Mondal	23.11.2019	Transcriptome profiling of drought responsive mi RNAs and their target genes in rice.
Sudipa Mal	16.11.2019	RCAN-11R peptide provides immunosuppression for fully mismatched islet allografts in mice
ManasiMondal	07.09.2019	The Submergence Tolerance Gene SUB1A Delays Leaf Senescence under Prolonged Darkness through Hormonal Regulation in Rice.
Dhriti Ghose	24.08.2019	lncRNAs; emerging regulators of plant processes

### Special Seminars of the Department

Date	Name of the Speaker	Title
21-09-2019	Dr. Puneet Kumar, Application Specialist, From Apoptosis to Zebrafish:	The ImageXpress Micro Spinco Biotech Confocal System - Automated Imaging Solution for a Wide Range of Assays
09-11 Nov.2019 & 23-25 Nov. 2019	Prof R.K Sen, IIT Kharagpur	Bioprocess Engineering & Technology', seminar series.



03-05-2020	Dr. Aparna Banerjee, Assistant Professor, Vicerrectoría de Investigación y Postgrado, Universidad Católica del Maule, Talca, Chile	Bacterial polysaccharides from extreme environments: a treasure hunt
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**National and International standard Conference /Seminar /Workshop / Exhibition etc.  
Details of chairing/evaluation/presentation made by Teachers/Research Scholars.**

- i. 7-8, June 2019 Nilanjana Majumder, Samiran Saha. Effects of environmental changes on transmission of Leishmania parasites. National seminar on current perspectives in Environmental Pollution: Challenges and opportunities. Dept. of Environmental Science, Tezpur University, Assam.
- ii. 5-7 Nov. 2019 Koushik Biswas and Jolly Basak. Assessment of heavy metal tolerance (Cu/Zn/Cd) in selected crop species of Vigna for combating stress in crop plants. India International Science Festival.. Biswa Bangla Convention Centre Kolkata.
- iii. 4th - 6th , November 2019 Narottam Dey. Presented poster entitled "Biochemical and Molecular basis of soft rice- a unique natural rice genetic resources from India" at international Conference on 17th International Symposium on Rice Functional Genomics (ISRFG 2019), held at Academia Sinica, Taipei, Taiwan.
- iv. 22-23 February, 2019 Kongkong Mondal and Narottam Dey. Biochemical and Molecular profiling of West Bengal rice (Oryzasativa L.) land races under Drought stress. National conference on Biodiversity, Biotechnology and Bioinformatics: Innovative and Emerging Trends-2019 P.G. Department of Botany, Berhampur University, Bhanja Bihar, Berhampur (Odisha)-760007,.
- viii. 8 September 2019 Kongkong Mondal attended in one day international workshop cum seminar entitled "Recent Developments in Renewable energy and rural empowerment". Department of Environmental Studies, Visva-Bharati, Santiniketan-731235.
- ix. 8 September 2019 Suraj Panja attended in one day international workshop cum seminar entitled "Recent Developments in Renewable energy and rural empowerment". Department of Environmental Studies, Visva-Bharati, Santiniketan-731235.

**Ongoing Research Projects in the Department**

**5A.**

- i. Name of the Teacher: Prof. Tathagata Choudhury
- ii. Name of the Project: Medicinal Plant Project
- iii. Sponsoring Agencies: ICAR, Govt. of India
- iv. Amount Sanctioned: Rs. 52L

**5B.**

- i. Name of the Teacher: Dr. Narottam Dey
- ii. Name of the Project: Genetic improvement and popularization of Komal Chawl-a potential

rice preparation for soldiers posted in remote places

iii. Sponsoring Agencies: DRDO, Govt. of India

iv. Amount Sanctioned: Rs. 26.35L

#### **5C.**

i. Name of the Teacher: Dr. Narottam Dey

ii. Name of the Project: Development of SNP and miRNA based functional markers for abiotic stress (drought salinity and submergence) tolerance among selected West Bengal rice land races.

iii. Sponsoring Agencies: West Bengal, Department of Science and Technology.

iv. Amount Sanctioned: Rs. 11.99L

#### **5D**

i. Name of the Teacher: Dr. Jolly Basak

ii. Name of the Project: Identification and characterization of Phaseolus vulgaris long non-coding RNAs responsive to mungbean yellow mosaic India virus infection

iii. Sponsoring Agencies: CSIR, Govt of India.

iv. Amount Sanctioned: Rs. 28L

#### **5E**

i. Name of the Teacher: Dr.Samiran Saha

ii. Name of the Project: Study of induction and mechanisms of Autophagy in EAC cells upon treatment with Theaflavins.

iii. Sponsoring Agencies: DBT-twining, Govt of India.

iv. Amount Sanctioned: Rs. 21.25L

#### **Publications :**

i) Text books ii) Other books iii) Monographs iv) Research Papers.(Author(s), title of Paper, year Journal volume No., Pages), v) Number of paper published in Peer/reviewed journals :

#### **To be entered as:**

3. Departmental Publication:

4. Individual Publication: a) Single author b) Joint authors (of the same Department)

#### **Departmental publications:**

Metabolic Engineering of Bacteria for Renewable Bioethanol Production from Cellulosic Biomass.Sanchita Banerjee, Gargi Mishra, Amit Roy. 2019. Biotechnology and Bioprocess Engineering. 24: 713-733.

Structural insights of a cellulobiose dehydrogenase enzyme from the basidiomycetes fungus Termitomycesclypeatus.Banerjee S, Roy A, Madhusudan M.S, Bairagya HR, Roy A. 2019. Computational Biology and Chemistry. 82: 65-73.

Partial Purification and Characterization of Albain 1, a Triterpene with Antimicrobial Activity, from the Wood Extract of Avicennia alba Blume. Choudhury M, Mukherjee K, De Arnab, Samanta A, Roy A.Journal Pharmaceutical Research International. 32(2):38-48, 2020.

The interplay between Epstein-Bar virus (EBV) with the p53 and its homologs during EBV associated malignancies. Chatterjee K, Das P, Chattopadhyay NR, Mal S, Choudhuri T. 2019. Heliyon. 5: e02624.

TTLR9 Polymorphisms Might Contribute to the Ethnicity Bias for EBV-Infected Nasopharyngeal Carcinoma. Roy Chattopadhyay N, Chatterjee K, Tiwari N, Chakrabarti S, Sahu SK, Deb Roy S, Ghosh A, Reddy RR, Das P, Mal S, Karnar BB, Das AK, Tsering S, Riba K, Puii Z, Zomawia E, Singh YI, Suryawanshi AR, Kumar A, Ganguly D, Goswami C, Choudhuri. T. 2020. iScience. 23: 100937.

Kaposi's sarcoma-associated herpesvirus related malignancy in India, a rare but emerging member to be considered. Das, Piyanki & Roy Chattopadhyay, Nabanita & Chatterjee, Koustav & Choudhuri, Tathagata. 2020. Virus Diseases. 10.1007/s13337020-00573-3.

Decoding the global outbreak of COVID-19 - the nature is behind the scene. Das Piyanki and Choudhuri Tathagata. 2020. Virus Diseases. 31: 106-112.

Expression study of five genes involved in floral organ development in multiple seeded rice. Das SP, Deb D and Dey N. Journal of Plant Biochemistry and Biotechnology. 29: 348-351.

Role of light intensity dependent changes in thiol and amino acid metabolism in the adaptation of wheat to drought. Gyugos M, Ahres M Gulyás Z, Szalai G, Darkó E, Végh B, Boldizsár A, Mednyánszky Z, Kar RK, Dey N, Simon Sarkadi L, Galiba G and Kocsy. 2019. Journal of Agronomy and Crop Science. 205: 562-570.

Physiological, biochemical, and molecular screening of selected upland rice (*Oryza sativa* L.) lines from eastern India. Kumari R, Choudhury D, Goswami S and Dey N (2019) Bulletin of the National Research Centre. 43:56. (<https://doi.org/10.1186/s42269-019-0087-9>).

Differential responses of *Phaseolus vulgaris* cultivars following mungbean yellow mosaic India virus infection. Patwa N, Chatterjee C and Basak J. 2020. Physiol Mol Biol Plants. 26: 817-828.

Expression study of an Amino Acid Permease-like gene in *Phaseolus vulgaris* Patwa N, Chakraborty B and Basak J. 2020. L. Plant science today. 7 (2): 251-256.

mi RNAs in post-transcriptional gene regulation along with symbiosis in *Medicago truncatula*. Roy Chowdhury M, Basak J and Bahadur R P. 2020. Current Bioinformatics. 15: 108-120.

Tiny yet indispensable plant microRNAs are worth to explore as key components for combating genotoxic stresses. Roy Chowdhury M and Basak J. 2019. Frontiers in Plant Science. 10: 1197.

In silico protein-protein interactions: An emerging research area to study host-pathogen interaction. Besra A and Basak J. 2019. Research Journal of Biotechnology. 14(7): 178-188.

Chlorogenic acid acts upon *Leishmania donovani* arresting cell cycle and modulating cytokines and nitric oxide in vitro. Majumder N, Ganguly S, Ghosh AK, Kundu S, Banerjee A, Saha S. 2020. Parasite Immunology. 42(6):e12719.

**Any other relevant information, which in the opinion of the Head of the Department is worth-reporting, should be included.**

The department wishes to introduce additional courses for the purpose of man power development, such as, skill development programs and undergraduate three years degree programs in Biotechnology, if space and additional faculty can be obtained. The department is working to realise these goals in

future for the overall advancement of its teaching and research programs to an even greater height. In addition, the vacant teaching positions need to be filled as soon as possible which will add to the overall strength of the department to a great extent as this will also bring in additional research funds, research publications etc. bringing the department to another step closer to the nationally renowned other front level Biotechnology establishments.

## Integrated Science Education and Research Centre (ISERC)

### Name of the student qualified in UGC/CSIR/NET/SLET and GATE:

NET: Archishman Saha, Sramona Barua, Krishna Kanhaiya Tiwari, Soumya Swastik Sahoo, Shivam Kumar

### GATE: Krishna Kanhaiya Tiwari, Soumya Swastik Sahoo, Sramona Barua

Departmental Seminar: One (01); DST INSPIRE CAMP during September 23-27, 2019

National and International standard Conference/Seminar/Workshop etc. attended by the Teacher/ Research Scholar

Sl. No.	Name of the Teacher/ Research Scholar	Name of the Conference/ Seminar etc. attended by the member (Details of chairing/evaluation/ presentation made by teachers)	Venue and Duration
<b>Teachers</b>			
(i)	Dr. Mahasweta Nandi	Participated and presented poster entitled "Recyclable mesoporous silica based probes for colorimetric detection and separation of ppb level mercury(II) from water" in "International Conference on Nano Science and Technology (ICONSAT-2020)"	Biswa Bangla Convention Centre Kolkata, March 5-7, 2020
(ii)	Dr. Swapan Kr. Pandit	Participated and presented talk entitled "Beyond solutions of system of linear equations and hypercomplex numbers" in "11 <sup>th</sup> DST INSPIRE Camp 2019"	Visva-Bharati, September 23-27, 2019
(iii)	Dr. Nilanjan Bondyopadhyaya	Participated and presented talk entitled "Electrical transport in hybrid junctions of Majorana wires" in "Conference on Signature of Topology in Condensed Matter"	ICTP, Trieste, Italy, October 21-25, 2019

## Research Scholars

- |                     |   |   |
|---------------------|---|---|
| (i) Koushik Majhi   | Participated and presented poster entitled "Complex formation of a novel perylenediimide derivative with organic solvents" in "15th DAE-BRNS Biennial Trombay Symposium on Radiation and Photochemistry (TSRP-2020)"  | BARC, Mumbai, January 5-9, 2020   |
| (ii) RijiaKhatun    | Participated and presented poster entitled "Photophysical properties of poly (p-phenylenevinylene) in liquid medium and thin film" in "15th DAE-BRNS Biennial Trombay Symposium on Radiation and Photochemistry (TSRP-2020)"  | BARC, Mumbai, January 5-9, 2020   |
| (iii) Debdas Singha | Participated and presented poster entitled "Rhodamine functionalized mesoporous silica as chemosensor for efficient sensing of Al <sup>3+</sup> , Cr <sup>3+</sup> and Fe <sup>3+</sup> ions and their removal from aqueous medium " in "4th Regional Science & Technology Congress (Western Region), 2019" | The University of Burdwan jointly with DST (WB), Burdwan, December 9-10, 2019 |
| (iv) Sanjoy Shil    | Participated and presented poster entitled "Heavy metal contamination and risk analysis in the surface sediment of the Mahananda river, India" in international seminar "Rethinking Environmental Issues: Interdisciplinary Perspectives"   | Dr. B. R. Ambedkar College, Nadia, West Bengal, February 17, 2020             |

### On-going Research Projects in the Department:

Name of the Investigator	Title of the project and duration	Amount sanctioned	Funding Agency
Dr. Subrata Sinha (Principal Investigator)	Investigation of polyaniline based nanocomposites by steady state and time-resolved spectroscopic techniques. (01.07.2016 - 01.07.2019)	Rs. 25,000/- (2019-2020)	CSIR
	Development of new functional materials and green processing routes for efficient and stable organic photovoltaic devices . (2018-2020)	Rs. 19,89,800/- (2019-2020)	DST-RMES
Dr. Mahasweta Nandi (Principal Investigator)	Functional nanomaterials based on mesoporous silica and their potential applications. (2019-2022)	Rs. 3,55,000/- (2019-2020)	WB-DST

### Extension activities organised by the department and participated by the teachers and students of the Department:

Teacher's Day was observed in a solemn programme by the students of Integrated Science Education and Research Centre (ISERC) in the First floor seminar room of ISERC block of Integrated Science building.

### Publications within the year April 2019 - March 2020

#### DETAILS OF PUBLICATION

Papers published in peer reviewed journals:

- 1 Prediction of the most preferable rotamer of meta-aminophenol in  $\beta$ -cyclodextrin cavity in aqueous medium by using spectroscopic and DFT computational studies. Koushik Majhi, Prasanta Bandyopadhyay, Rijia Khatun and Subrata Sinha. J. Inc. Phenom. Macrocylic Chem., 97, 77-86, 2020.
- 2 Metal ion sensing and electrochemical behavior of MOF derived ZnCo<sub>2</sub>O<sub>4</sub>. D. Ghosh, A. Pal, Susanta Ghosh, Md. M. Seikh and P. Mahata. Eur. J. Ing. Chem., 26, 3076-3083, 2019.
- 3 A High Performance Recyclable Magnetic CuFe<sub>2</sub>O<sub>4</sub> Nanocatalyst for Facile Reduction of 4-Nitrophenol. Chaitali Dey, Debarati De, Mahasweta Nandi and Madhuri Mandal Goswami. Materials Chemistry and Physics, 242, 122237, 2020.
- 4 In situ synthesis of CuO nanoparticles over functionalized mesoporous silica and their application in catalytic syntheses of symmetrical diselenides. Trisha Das, Rana Chatterjee, Adinath Majee, Hiroshi Uyama, David Morgan and Mahasweta Nandi. Dalton Transactions, 48, 17874-17886, 2019.
- 5 Mesoporous silica based recyclable probe for colorimetric detection and separation of ppb

- level Hg<sup>2+</sup> from aqueous medium. Trisha Das, Debdas Singha, Ananya Pal and Mahasweta Nandi. *Scientific Reports*, 9, 19378, 2019.
- 6 Rhodamine functionalized mesoporous silica as a chemosensor for the efficient sensing of Al<sup>3+</sup>, Cr<sup>3+</sup> and Fe<sup>3+</sup> ions and their removal from aqueous media. Debdas Singha, Trisha Das, Lanka Satyanarayana, Partha Roy and Mahasweta Nandi. *New Journal of Chemistry*, 43, 15563-15574, 2019.
  - 7 One Step Synthesis of a Gold/Ordered Mesoporous Carbon Composite Using a Hard Template Method for Electrocatalytic Oxidation of Methanol and Colorimetric Determination of Glutathione. Rumeli Banerjee, Debojit Ghosh, Jit Satra, Abhisek Brata Ghosh, Debdas Singha, Mahasweta Nandi and Papu Biswas. *ACS Omega*, 4, 16360-16371, 2019.
  - 8 Intercalation of Aggregation-Free and Well-Dispersed Palladium Oxide Nanoparticles into the Walls of Mesoporous Silica for Solvent-free Acceptorless Dehydrogenation. P. Samanta, S. Ray, T. Das, S. H Gage, M. Nandi, R. M Richards and P. Biswas. *Microporous and Mesoporous Materials*, 284, 186-197, 2019.
  - 9 Health risk assessment and spatial variations of dissolved heavy metals and metalloids in a tropical river basin system. Sanjoy Shil and Umesh Kumar Singh. *Ecological Indicators*, 106, 105455, 2019.
  - 10 Exploring a multi-exposure-pathway approach to assess human health risk associated with groundwater fluoride exposure in the semi-arid region of east India. Indrani Mukherjee, Umesh Kumar Singh, Pulak Kumar Patra. *Chemosphere*, 233, 164-173, 2019.
  - 11 An analysis of thermal performance and entropy generation in a wavy enclosure with moving walls. Anirban Chattopadhyay, Swapan K. Pandit, Hakan F Oztop. *European Journal of Mechanics-B/Fluids*, 79, 12-26, 2020.
  - 12 Dynamics of hybrid junctions of Majorana wires. Nilanjan Bondyopadhyaya and Dibyendu Roy. *Physical Review B*, 99, 214514, 2019.
  - 13 Supersymmetric t-J models with long-range interactions: thermodynamics and criticality. B. Basu-Mallick, N. Bondyopadhyaya, J. A. Carrasco, F. Finkel and A. González-López. *Journal of Statistical Mechanics: Theory and Experiment*, 073104, 2019.
  - 14 Morphological variations in geographically isolated populations of *Bryum coronatum* Schwager (Bryaceae, Bryales). Bhattacharya S, Ojha SN, Ray S. *Plant Science Today*, 6(3), 360-366, 2019.

### **Brief history of the development of the Centre/ Department concerned with an indication of the future plans for development**

University Grants Commission in its XI Five-Year Plan accepted the recommendation of The High Level Committee (HLC) as constituted by The Paridarsaka (Visitor) of Visva-Bharati, The Honorable President of India, to introduce a Five-Year Integrated Programme in Physical Science under Siksha Bhavana (Institute of Science), Visva-Bharati. Accordingly, Integrated Science Education and Research Centre (ISERC) was established in 2008 and the academic programme was started in 2009. The course is intended for attracting highly motivated students to research and education in basic sciences. Presently, after successful completion of the course, Five-Year Integrated M. Sc. degree with Physics/Chemistry/Mathematics/Life Science/Earth and Environmental Science major is awarded to the candidates.



## Centre for Mathematical Education (CME)

The Centre for Mathematics Education is the only centre under Siksha-Bhavana (Institute of Science) engaged in understanding the present scenario of mathematics teaching and related problems. It organizes several lectures for students and also engaged with regular Ph. D. programme.

Currently, the faculty members are engaged in the following areas of research (not limited):

Since its inception the centre has produced few PhD in the field of Mathematics Education. They are a key stake-holder in the evolution and growth of the Centre. We plan to initiate a course on Mathematics Education and Computational Mathematics and also to set up a data base centre where extension programmes will be conducted on different schools and colleges to develop mathematics education in our country.

Publications within the year April 2019- March 2020

1) E. A. Ahmed, M Banerjee, S. Sen and P Chatterjee, Application for Mahalanobis on achievement test on mathematics: A study on higher secondary level students, Indian Journal of Psychology and Education, 10, 1, 36(2020).

Other relevant information:

Lectures Organized in the Centre.

Sl No.	NAME	DATE	TOPIC
1	Dr. Asit Saha Assistant Professor, Department of Mathematics, Sikkim Manipal Institute of Technology, Majitar, Sikkim	12.12.2019- 13.12.2019 (11a.m.-12.00 noon)	Bifurcations of nonlinear and super nonlinear waves in plasmas
2	Prof. Mantu Saha Professor, Department of Mathematics, Mathematics, Burdwan University	02.03.2020 (4.00p.m.- 5.30 p.m) 03. 03. 2020 (10.00a.m.- 11.30a.m.)	Fixed point theorems in metric spaces and normed linear spaces
3	Prof. Chanchal Basu, Professor, Department of Mathematics, West Bengal State University	05.03.2020 (4.00p.m.-5.30 p.m.) 06.03.2020 (10.00a.m.- 11.30 a.m.)	Analysis of some hyperspace topology

- |   |  |  |  |
|---|--|--|--|
| 4 | Prof. S. De Sarkar,<br>Professor, Dept.<br>of Mathematics,<br>North Bengal University<br>Cantor's Set and its properties | 03.02.2020<br>3.00 p.m. - 4.30 p.m.<br>04.02.2020<br>3.00 p.m. - 4.30 p.m. |  |
| 5 | Dr. Kajal Mandal<br>Department of<br>Mathematics   | 12.12.2019-<br>13.12.2019<br>(12p.m.-<br>1.00 p.m.)<br>PVU,<br>Coochbehar  | The challenges of<br>Mathematics Education<br>on Applied Mathematics |

# **KALABHAVANA**

## **Department of Design**

Department of Design in Kala Bhavan stands in the light of Centenary year with so much of glory of history and progressive vision. Though, specialization in the Department of Design with textile and Ceramics started in 1980 with limited infrastructure, wide practice of art and craft in textile design and ceramic had focused movement in Kala-Bhavana since its inception. Once it showed the road of National art movement in the context of global acceptance. Now Textile and Ceramic & Glass art practice are two leading sections of the institute in the country. Both are the rare sections to offer such mediums as mediums of expression that rejuvenates artistic expression and generate earning resources for sustainability both, even if we talk about our Department in the context of other Indian Art Institutes even today. It is vocational and creative both in terms of mode of practice. Medium is as old as ancient and contemporary in innovative way of practice. In recent time, 2014, the medium of glass was introduced in the Department. This ancient still contemporary medium has added a noticeable dimension of expressions amongst the students.

Our aim is to make the Department a leading institute in Ceramic & Glass and Textile in the country and develop the facilities similar to International standard to attract students from across the globe.

The Department of Design consists of two major design courses of studies, viz. the BFA/DFA, MFA/Advanced Diploma in Textile Design and BFA/DFA, MFA/Advanced Diploma in Ceramics and Glass Design.

Besides these two major courses, there is also a course of two years Certificate course in Design, One Year Foreign Casual Course in Design, and One Year Indian Casual Course in Design, under the same roof of Design Department.

The Department has a panel of expert teachers who have established themselves in their respective field with their outstanding creative performances.

In every year Department has use to organize Nandan Mela with the works of teachers and students on the occasion of Birth anniversary of Acharya Nanda Lal Bose, successfully. Beside, the schedule academic activities, the students are participated in different workshops/Exhibitions also.

Department of Design, doing the silent task to be the appropriate venue for certain courses which are not available in Art Colleges elsewhere, such as courses in organic and traditional materials. The Department of Design is playing an important role in the contemporary creative in the field of Textile Design, both indigenous and abroad.

Interdisciplinary programmes and departments involved: As a part of the Interdisciplinary programmes, it is mentioned worthy that in the Degree Courses level the Department offers two important papers which are connected academically with the other Specialized Departments of this University, e.g. History of Art, Tagore Studies and Environmental Studies.

Courses in collaboration with other universities, industries, foreign institutions, etc.:

Recently the Department of Design, precisely Kala Bhavana as a whole, opens its academic horizon and offers the opportunity to the students of recognized Universities/Institutions (Indigenous & abroad) to get admission himself/ herself in the appropriate course, in choice based Semester system and vice-versa.

Students of this Department have been selected for choice based Semester for Exchange programme in abroad Universities e.g. France, Netherland and Thailand for last five years and vice versa.

### **Departmental Seminar (Speakers, Title of the Seminar, Date)**

#### **Seminar/Art Talk -**

#### **Workshops/Demonstrations-Ceramic & Glass:**

1. 2019, 14th to 16th October - Workshop conducted with Prof. Laxma Goud in the Department of Design (Ceramic & Glass) . (Sponsored by Tulsiyan Family Beneficiary Trust, (Kolkata)
2. 2019, 20th November to 22nd November - Art Talk and workshop with Prabhakar Kolte in the Department of Design (Ceramic &Glass). (Sponsored by Tulsiyan Family Beneficiary Trust, (Kolkata)
3. 2020, 13th March to 22nd March - Workshop conducted with Two Eminent Ceramists P. R. Daroz and Deepali Daroz in the Department of Design (Ceramic & Glass).. (Sponsored by Tulsiyan Family Beneficiary Trust, Kolkata)
4. 2020, January 13THto 17th January.-Raku Demonstrating Workshop at the Department.

#### **Workshops/Demonstrations - Textile:**

- a. 2019, 27th July- Photography Presentation by Artist Agustin Vila, Mendoza, Argentina.
- b. 2019, 9th September- Presentation on "Sustainable Practices at Bodhi: A Small Design Studio" by Pradeep Sinha & Mala Sinha, Baroda, Gujarat. This was conducted in collaboration with Department of History of Art, Kala Bhavana, Visva-Bharati, Santiniketan.
- c. 2020, 3rd January- Artist Talk/2020, Professor Jon Jicha, Western Carolina University, U.S.A.
- d. 2020, 24 - 27 Feb.-Workshop on Natural Indigo Dye, Resource Person: Mr. Prodip Polley, Burdwan, West Bengal.

### **Only Nation and International standard Conference/Seminar/ Workshop /Exhibition etc. attended by Teacher/Research scholar in details.**

#### **Vide annexure II.**

#### **Goutam Das (Ceramic & Glass)**

##### **A. Workshop (International)**

1. 2020, Feb- .Participated an international art workshop at Krabi Thailand.
2. 2019 August- Participated an international art workshop at SSVAD Santiniketan.

##### **B. Exhibition(National)**

1. 2019, 23rd November to 21st December- "Remembering Dinkar Kowshik", A group show At Birla Academy of Fine Art & Culture, Kolkata.

##### **C. Any other accomplishment during the period - 1 April 2019 - 31 March 2020**

1. 2020- Raku Demonstrating Workshop In the Department of Design from 13th January to 17th January.

2. 2020, 13th to 22nd March- Participated ceramics workshop, by P R Daroz and Deepali Daroz, , department of design, Kala-Bhavana, Visva-Bharati, Santiniketan.

### **Sisir Sahana (Ceramic & Glass)**

#### **a. Workshop (National)**

1. 2020, 25th February to 30th February. Conducted and Participated National Painting Workshop- A tribute to Surya Prakash organized by L. V. Prasad Eye Institute, Hyderabad (International)
1. 2020, 2nd January to 8th January - 1st International Ceramic Symposium and workshop organised by Mrittika Art Foundation.

#### **b.Exhibition:National**

1. 2019, 11th October to 5th November, Solo exhibition "OLD SEEDS' at Kalakriti Art Gallery, Hyderabad
2. 2020, from 6th December to 8th January, Solo exhibition " A Dialogue with Soil" at Gallery Ganesha, New Delhi
3. 2020.-Solo exhibition " A Dialogue with Soil" at Forum Art Gallery 8th February to 7th March.
4. 2019, 23rd Nov. to 21st Dec.- Participated in a Group Exhibition "Dinkar Koushik Centenary Exhibition", Birla Academy of Art & Culture, Kolkata.organised by Kala-Bhavana Alumni Association..

#### **International**

1. 2020 30th January to 2nd. February- International Exhibition - India Art Fair in Delhi, , presented by Art Pilgrim, New Delhi.
2. 2020, 30th January to 2nd. February - International Exhibition - India Art Fair in Delhi, , presented by Gallery Ganesha, New Delhi.

#### **c.Seminar/presentation**

1. 2019, from 31st August to 2nd September- Presentation of own artworks: Solo exhibition " OLD SEEDS' at Nandan, Kala-Bhavana, Santiniketan,
2. 2019, 6th September to 29th September- Solo exhibition "OLD SEEDS' at Emami Art Gallery, Kolkata.

#### **International**

1. Attended Burapha University International Conference 2019-Break the Barriers, Design the Future. Thailand. From 27th to 29th November, 2019.
- d. Any other accomplishment during the period - 1 April 2019 - 31 March 2020
1. Made an outdoor Sculpture of Rabindranath Tagore in Glass and installed in Bolpur, Commissioned by the Government of West Bengal. 24 ft. height, 6 ft. diameter.
2. 2020, Raku Demonstrating Workshop In the Department of Design from 13th January to 17th January.
3. 2020- Participated in Ceramics workshop by P.R. Daroz and Deepali Daroz, Department of Design, Kala-bhavana, Visva-Bharati. 12th March to 22nd March , 2020.

### **Sakshi Gopal Das (Textile)**

#### **a. Workshop/Exhibition**

**National/International- Nil**

**b. Any other accomplishment during the period - 1 April 2019 - 31 March 2020.**

1. 2020- .Participated in Ceramics workshop by P.R. Daroz and Deepali Daroz, Department of Design, Kala-bhavana, Visva-Bharati. 12th March to 22nd March ,
2. 2020- Raku Demonstrating Workshop In the Department of Design from 13th January to 17th January.
3. Coordinated various events for decoration for festivals/cultural programmes .

**Debashish Mahalanobish (Textile)**

**a. (National)**

**Paper published online review on Khadi Fabrics in India ',Journal of the Textile Association, ISSN 0368-4636,Vol. 79, No. 3,October 2018.**

**b. Chairing Evaluation(National)**

1. Acted as a Jury in the Art competition for the preliminary selection, DVC.
2. Acted as a Jury in the Art competition (National) for the final judgement, DVC.

**c. Number of papers published in Peer/reviewed journal**

1. Paper published online review on Khadi Fabrics in India ', Journal of the Textile Association, ISSN 0368-4636, Vol. 79, No. 3, October 2018.

**d. Any other accomplishment during the period - 1 April 2019 - 31 March 2020**

1. Conferred Ph.D degree by Visva-Bharati on 20.12.2019, entitling 'Texture, Comfort and Design of Khadi fabric '.
2. Raku Demonstrating Workshop In the Department of Design from 13th January to 17th January 2020.
3. Participated in Ceramics workshop by P.R. Daroz and Deepali Daroz, Department of Design, Kala-bhavana, Visva-Bharati. 12th March to 22nd March ,2020.

**Banatanwi Dasmahapatra (Textile)**

**a. Exhibition/presentation**

**National**

1. 2020May, Group Online Exhibition of the Members of Santiniketan Society of Visual Art and Design (SSVAD), Santiniketan.

**International**

3. 2019,December, "New Craft" A Group Exhibition, Tsinghua University, Beijing, China.
4. 2019- November, A Group Exhibition "Dinkar Koushik Centenary Exhibition", Birla Academy of Art & Culture, Kolkata.

**b. Details of Chairing evaluation, Coordination**

1. 27.07.2019 Photography Presentation by Artist Agustin Vila, Mendoza, Argentina
2. 09.09.2019 Presentation on "Sustainable Practices at Bodhi: A Small Design Studio" by Pradeep Sinha & Mala Sinha, Baroda, Gujarat. This was conducted in collaboration with Department of History of Art, Kala Bhavana, Visva-Bharati, Santiniketan
3. 03.01.2020 Artist Talk/2020, Professor Jon Jicha, Western Carolina University, U.S.A
4. 24.02.2020 - 27.02.2020 Workshop on Natural Indigo Dye, Resource Person: Mr. Prodip Polley, Burdwan, West Bengal.
5. 2019,December, Coordinated Nandan Mela, Kala Bhavana. Santiniketan

c. Any other accomplishment during the period - 1 April 2019 - 31 March 2020

1. 2020 - January, Group Exhibition, Nandan Art Gallery, Kala Bhavana

#### **Madi Linda (Ceramic & Glass)**

##### **a. Workshop(National)**

1. "Terracotta Workshop for Pottery" on 16 November to 25 November Hazaribagh, Jharkhand.

##### **b. Exhibition (National)**

1. 2019, 7<sup>th</sup> September to 30<sup>th</sup> September "Emerging From the Earth" A Group show of Ceramics at gallery One, Gurgaon, New Delhi
2. 2019- Remembering Dinkar Kowshik, A group show At Birla Academy of Fine Art & Culture, Kolkata. 23<sup>rd</sup> November to 21<sup>st</sup> December.

c. Any other accomplishment during the period - 1 April 2019 - 31 March 2020

1. 2019. Participated in Painting workshop and Talk by Prabhakar Kolte, Kala Bhavana, Visva-Bharati, Santiniketan. from 20<sup>th</sup> to 22<sup>nd</sup>. November,
2. 2019- Ceramic Workshop conducted by Prof. Laxma Goud from 14<sup>th</sup> Oct. to 16<sup>th</sup> October, at Department of Design.
3. 2020- Workshop by P.R. Daroz and Deepali Daroz, Department of Design, Kala-bhavana, Visva-Bharati. 12<sup>th</sup> March to 22<sup>nd</sup> March .
4. 2020- Raku Demonstrating Workshop In the Department of Design from 13<sup>th</sup> January to 17<sup>th</sup> January.

##### **d. Member/in charge**

1. 2020, Teachers Mentors for BFA Foundation Student of Kala- Bhavana , Visva- Bharati
2. 2019, Coordinator/Convenor assigned for Nandan mela 1<sup>st</sup> and 2<sup>nd</sup> December.
3. 2020- Republic day Decoration on 26th January. to 21 September 2019 Coordinator: Inter -University Fest Cum Selection Trail (Youth Festival) 2019 Events- Fine Arts, Visva- Bharati, Santiniketan, (W.B)
6. 16/05/2019 External Examiner Ship in Practical Subject of M.F.A (Pottery & Ceramics) Dept. of Plastic Arts, Banaras Hindu University, Varanasi
7. 2019 - 2020 Programmer Officer of The NSS Unit of Kala- Bhavana, Visva- Bharati, Santiniketan,(W.B)
8. Inter Department Workshop by Daroz, from 12 March 2020 to 22 March 2020 of Design, Kala Bhavana, Visva- Bharati
9. NAAC Preparation of Kala- Bhavana, Visva- Bharati,
10. 2019- Pous Utsava December (Candel Lighting at Chatimtola and Mandir )
11. 2019- 2020, NSS Programme officer, Unit Kala- Bhavana, Visva-Bharati

#### **Bhavna Khajuria Basumatary (Ceramic & Glass)**

##### **a. Workshop (National)**

1. 2019- invited resource person to conducted workshop on 'Mono printing' organized by the department of arts and culture, Government of Meghalaya, Shillong.

##### **b. Exhibition (National)**

1. 2019- "Remembering Dinkar Kowshik", A group show At Birla Academy of Fine Art & Culture, Kolkata. From 23rd November to 21st December.

**c. Any other accomplishment during the period - 1 April 2019 - 31 March 2020**

1. 2019 - Participated in painting workshop and talk by Prabhakar Kolte, from 20th November to 22nd November, Kala Bhavana, Visva- Bharati, Santiniketan.
2. 2019- Ceramic Workshop conducted by Prof. Laxma Goud from 14th Oct. to 16th October, at Department of Design.
3. 2020- Joint convenor, ceramics workshop, by P R Daroz and Deepali Daroz, from 13th March to 22nd March, at the Department of Design, Kala-Bhavana, Visva-Bharati, Santiniketan.
4. 2020- Raku demonstrating workshop in the department of design from 13th January to 17th January .

**d. Details of Chairing evaluation/ presentation/ made by teacher**

1. 2020-appointed as vice principal (campus) of Kala Bhavana, Visva Bharati, Santiniketan.
2. 2019-invited session chair, workshop on 'socio-cultural changes in the villages surrounding Visva-Bharati due to girl child education', Centre of Women's Studies, Visva-Bharati, Santiniketan.
3. 2019-appointed member of NAAC core committee, Visva- Bharati, Santiniketan.
4. 2019-appointed by banaras hindu university, banaras as an external examiner for practical examination at department of visual arts.
5. 2019-appointed member of anti ragging committee of Kala Bhavana, Visva Bharati, Santiniketan.
6. 2019- joint convenor, Nandan mela, Kala-Bhavana, Visva-Bharati, Santiniketan.
7. 2019-member disciplinary committee, department of design, Kala-Bhavana, Visva-Bharati, Santiniketan.
8. 2019- Member Studio committee, Visva-Bharati, santiniketan.

**Debasish Das (Ceramic & Glass)**

**Only National and International standard**

**a. Workshop(International)**

1. 1st International Ceramic Symposium and workshop organised by Mrittika Art Foundation from 2nd January to 8th January 2020.
2. Participated in 'Earth Matters 3' an international- Indo Korean ceramic Residency, Symposium in Chennai from 19th. January to 23rd February. 2020

**b. Exhibition (National)**

1. 2020- Participated in 15 contemporary ceramic artists Exhibition, Kolkata, from 1st February to 15th March.
2. 2020. Participated in 'Earth Matters 3' in Indo Korean ceramic exhibition in Chennai from 26th. February to 5th. March
3. 2019, Participated in an exhibition of ceramics - " EMERGING FROM THE EARTH " on 6th Septemberto 30th September, at Gallery at Gurgaon.?
4. 2019.- Remembering Dinkar Kowshik, A group show At Birla Academy of Fine Art & Culture, Kolkata. 23rd November to 21st December.

**c. Any other accomplishment during the period - 1 April 2019 - 31 March 2020**

1. 2020.-Joint convenor, participated in ceramics workshop by P.R. Daroz and Deepali Daroz, Department of Design, Kala-bhavana, Visva-Bharati. 12th March to 22nd March ,



2. 2019 Participated in painting workshop and talk by Prabhakar Kolte, from 20th November to 22nd November. Kala Bhavana, Visva- Bharati, Santiniketan.
3. 2019- Act as an Event in charge (Poster Making), Inter- University Fest Cum Selection Trial on 21/09/19.
4. 2019- Joint convenor Nandan Mela Picnic Committee 03/12/2019.
5. 2020- Raku Demonstrating Workshop In the Department of Design from 13th January to 17th January.
6. 2019- Ceramic Workshop conducted by Prof. Laxma Goud from 14th Oct. to 16th October, 2019.at Department of Design.

**Name of the Teacher**

**Archana Das (Ceramic & Glass)**

**National and International standard**

**a. Workshop(International)**

1. International Ceramics Workshop in 2 phases, organised by Nandan Santinekatan Society at Laketown Kolkata. Joined from 10th June to 11th June, 2019.

**b. Exhibition (National)**

1. Remembering Dinkar Kowshik, a group show at Birla Academy of Fine Art & Culture, Kolkata. 23rd November to 21st December, 2019.

**d. Any other accomplishment during the period - 1 April 2019 - 31 March 2020**

1. Participated in painting workshop and talk by Prabhakar Kolte, from 20th November to 22nd November, 2019. Kala Bhavana, Visva- Bharati, Santiniketan.
2. Participated ceramics workshop, by P R Daroz and Deepali Daroz, from 13th to 22nd March 2020. department of design, Kala-Bhavana, Visva-Bharati, Santiniketan.
3. Raku demonstrating workshop in the department of design from 13th January to 17th January 2020.
4. Ceramic Workshop conducted by Prof. Laxma Goud from 14th Oct. to 16th October, 2019.at Department of Design.
5. Inter University Fine Art Festival on 14/9/2019, judge rangoli organised by the director PSNS Visva Bharati.

**Anupam Chowdhury (Ceramic & Glass)**

**Only National and International standard**

**a. Workshop(International)**

1. Participated in Workshop at Silpakorn University symposium and Ceramics and Wood Firing Symposium" by Department of Ceramics, the Faculty of Decorative Arts.

**b. Exhibition(National)**

1. 2019-"Emerging From the Earth" A Group show of Ceramics at gallery One, from 7th September to 30th September Gurgaon, New Delhi
2. 2019- "Remembering Dinkar Kaushik" Exhibition to Commemorate the Birth Centenary of Prof. Dinkar Kowshik, Featuring his teachers, associates, students and successors .23rd November to 21st December 2019.

**c. Any other accomplishment during the period - 1 April 2019 - 31 March 2020**

1. 2019- Participated in painting workshop and talk by Prabhakar Kolte, 20 th NOV to 22nd November, , Kala Bhavana, Visva- Bharati, Santiniketan.
2. 2020- Joint convenor, ceramics workshop,by P R Daroz and Deepali Daroz from 13th March to 22nd March, 2020, department of design, Kala-Bhavana, Visva-Bharati, santiniketan.
3. 2020- Raku demonstrating workshop in the department of design from 13th January to 17th January.
4. 2019- Ceramic Workshop conducted by Prof. Laxma Goud from 14th Oct. to 16th October, 2019.at Department of Design.

#### **Other engagement/member/evaluation**

1. 2019- Arrangement of Artworks in the Pous Utsava 2019 Exhibition
2. 2019- Pous Utsava December 2019 (Candel Lighting at Chatimtola and Mandir )
3. 2019- Examiner for Year B.F.A (Honours) semester -III (CBSC) EXAMINATION 2019 At Government Collage Of Art & Craft, UNIVERSITY OF CALCUTTA.
4. 2020- Republic day Decoration on 26th January 2020
5. 2019- 15th September (Coordinator: Event- Mahanadi) Inter -University Fest Cum Selection Trail (Youth Festival) 2019 Events- Fine Arts, Visva- Bharati,
6. Coordinator/Convenor assigned for Nandan mela 2019

#### **5. Ongoing Research Projects in the Department**

<b>Sl. No.</b>	<b>Name of the Teacher</b>	<b>Name of the Project</b>	<b>Sponsoring Agency</b>	<b>Amount Sanctioned</b>
1	Debasish Das	Contemporary Ceramic Mural Relation with Architecture	Does not arise	Self funded
2	Anupam Choudhury	Indian Studio Potters - the case study.	Does not arise	Self funded
3.	Banatanwi Das Mahapatra	Blending of Music and Vision: Study of Ragamala Paintings in Association with North Indian Classical Music.	Does not arise	Self funded
4	Bhavana Khajuria Basumatary	Blending Art & Craft : Tagore's Education Programme with special reference to Ceramics.	Does not arise	Self funded
5	Archana Das	"Bharatiya Ceramic Pottery Ka Takniki Adhayana"	Does not arise	Self funded

**Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department.**

**A. Nandan Mela an art and cultural event, in which students and teachers of the Department participated.**

- B. Annual cultural festival in which Departmental students participated.
- C. Students and teachers participate in decoration of Brikkharopan, Chatim tala on 7th Pous, Upasana griha on 25th December, Republic Day and Independence Day.
- D. Students participate NSS coordinated by the University.
- E. Students and teachers participate in Swachh Bharat programme conducted by the University.
- F. Departmental students participate in various sports events.

**Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)**

- A. A research scholar Sri Pratik Bhattacharya received Charles Wallace India Trust Fellowship tenable in United Kingdom.
- B. Departmental students got selected for International exchange programme.
  - 1. Srabana Chakraborty was selected for Students Exchange programme with École d'art et de design d'Angers, France. (6 months)
  - 2. Sayantani Saha received Indi - China Students Exchange programme (7 days)

## Department of Sculpture

Since the beginning of Kala-Bhavana Department of Sculpture played an important role in the development of the institute as a centre for alternative art practice and set up a new platform in the context of Modern Indian art. The ideology of Rabindranath Tagore, a great thinker and Nandalal Bose, disciple of Abanindranath Tagore contributed to the growth of the Santiniketan School in early twentieth century. The department was started informally under the guidance of Ramkinkar Baij in 1932. Initially, under Ramkinkar Baij, and later under Sarbari Roychoudhury, Ajit Chakraborty, Bipin Goswami, Bikash Debnath, Sushen Ghosh and Suren De the department imparted training to innumerable students who later made their mark as eminent sculptors of India.

The Department attracts students from various parts of the country and abroad as well, such as countries like Japan, Korea, Thailand, U. K., France, U. S. A., Bangladesh, Mauritius, U.S.S.R., Srilanka etc.

Many important sculptors studied in the Department who have initiated and contributed in the development of new vocabularies in contemporary sculpture, to name a few from various generations are Sankho Choudhury, Prabhas Sen, Jitendra Kumar, Avtar Sing Panwar, M.Dharmani, Madan Vatnagar, Suren Pandey, Balbir Sing Katt etc.

National and International standard Conference / Seminar/Workshop/Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

Pankaj Panwar (Professor)

2019 - Illustrated talk on contemporary sculpture, Charukala, Dept. of Visual Arts, Govt. of West Bengal.

2020 - International Art workshop and exhibition, Krabi. Thailand.

2019 - Annual Exhibition of the Society of Contemporary Artists, Birla Academy, Kolkata. .

2nd - 7<sup>th</sup> August 2019 - 'Shilpi Milan Utsav'- National level Art Workshop at SSVAD organized by Artalinda and SSVAD,

12-15 Nov, 2019 - Santiniketan Kala Bhavana Praktoni Art Workshop -.

23 Nov to 21 Dec 2019. - 'Remembering Dinkar Kowshik' - Art Exhibition at Birla Academy

Member of the Board of studies (BOS), Rabindra Bharati University, Kolkata.

### **Sutanu Chatterjee**

Exhibition - (National standard):

2019, April - 60th National Exhibition of Lalit Kala Akademy, New Delhi at J.J. School of Art, Mumbai-

2019, 15 April-5 May - 'Nababarsher Chitra Pradarshani-1426'- An exhibition of Painting for Bengali Nababarsha, organized by Debavasha, Kolkata.

2020, 20- 24th January - An Exhibition of paintings by the members of Santiniketan Kala Bhavana Praktoni at Nandan, K.B..

Exhibition - (International standard):

2019 - Remembering Dinakar Kowshik, organized by Birla Academy of Art & Culture, Kolkata. 23 Nov - 21 Dec,

**Workshop:**

2019, 12-15 Nov - Santiniketan Kala Bhavana Praktoni Art Workshop.

**Mati Lal Kalai**

Participation in Exhibition:

2019, 23 Nov to 21 Dec - 'Remembering Dinkar Kowshik' - Art Exhibition at Birla Academy, Kolkata,

2020, 20 - 25 January Santiniketan Kala Bhavana Praktoni Art Exhibition at Nandan, Kala Bhavana, Visva-Bharati, .

**Workshop:**

Santiniketan Kala Bhavana Praktoni Art Workshop - 12-15 Nov, 2019.

**Kamal Dhar****Exhibition:**

2019, 23 Nov to 21 Dec 'Remembering Dinkar Kowshik' - Art Exhibition at Birla Academy, Kolkata,.

2020, 20 - 25 January Santiniketan Kala Bhavana Praktoni Art Exhibition at Nandan, Kala Bhavana, Visva-Bharati, .

2020, 21-27 February. Batch '88' Exhibition, Gvt. College of Arts and Crafts at Academy of Fine Arts.

**Conference:**

2019, 24-26 May, Global Education Conference, Value based education for a better world. Sri Satya Sai University for Human Excellence, Satya Sai Gram, Mudenahalli, India.

**Rishi Barua**

Participation in Exhibitions and workshops:

2019, 2nd - 7th August 'Shilpi Milan Utsav'- International level Art Workshop at SSVAD organized by Artalinda and SSVAD,

2019, 12-15 Nov, Santiniketan Kala Bhavana Praktoni Art Workshop

2019, 23 Nov to 21 Dec. 'Remembering Dinkar Kowshik' - International level Art Exhibition at Birla Academy

2020, 20 - 25 January, Santiniketan Kala Bhavana Praktoni Art Exhibition at Nandan, Kala Bhavana,

2020, 12 -26 Feb. Annual Group Show of 'Open Window' at Birla Academy of Art and Culture, Kolkata

Co-convenor: Kala Bhavana Centenary Celebration 2019

Co curator and convenor of National level Art Exhibition: 'Remembering Dinkar Kowshik' - at Birla Academy 23 Nov to 21 Dec 2019.

**Amit Kumar Dhara**

Workshop:

2019, 12th - 13th March and 10th -11th June - The International Workshop on Pottery-Ceramic, by Nandan Santiniketan Society at the studio of Amitabha Chakraborty, p.271, Block- B, Laketown, Kolkata

2019, 21st to 23rd June 'Poster making Project on a Journey with Tagore & his Black Ink", by Narrative movements at Komdhara, Hoogly, W.B.

2020, January - Annual Painting Workshop, organized by Santiniketan Kala Bhavana Praktoni at Malancha, Santiniketan, -

2019 - Teachers Day Workshop.

**Exhibition:**

2019, 17th to 23rd October - Nandan Santiniketan Presents the 18th International Art Exhibition, Academy of Fine Arts, Kolkata

2019, 23rd November to 21st December, 'Remembering Dinkar Kowshik' An International Art Exhibition, Birla Academy of Art & Culture, Kolkata,

2020, 20 - 24th January An Exhibition Painting by the member of Santiniketan Kala Bhavana Praktoni, Nandan Gallery, Kala Bhavana, Santiniketan

2020, 29th February to 1st March - "Mahananda Camp Art" organized by Creative Brush, at Boating Park, Malda, W.B.

**Lawanshaibha Kharmawlong**

**Exhibition:**

2019, 23 Nov to 21 Dec. 'Remembering Dinkar Kowshik' - Art Exhibition at Birla Academy, Kolkata,

2019 August - Resource Person on Art Installation at Meghalaya Art Festival, Shillong,

**Sajad Hussain Hamdani**

Extension activities/NSS/Cultural and other activities organized by the department and participated by the Teachers and Students of the Department.

a) Departmental students participated in Nandan Mela, the Annual Celebration of Acharya Nandalal Bose's birthday, from 1-3rd December 2019.

**Designing New Course/ Curriculum or any other teaching innovations introduced by the Department.**

YES - 2017. (CBCS)

**Other relevant information:**

1. Biki Das - Sculpture Workshop Chamarajendra Govt. College of Visual Arts, Mysuru, from February 22 to 29, 2020.
2. Biki Das - Water colour Camp, Dharohar at Junagadh, West Zone Cultral Centre, Udaipur, from 16 to 22 January 2020.
3. Tanmoy Dasgpta - International Art Camp, Art Exhibitions Folk Art and Craft Fair, at Bangladesh from 26 to 29 February 2020.
4. Amaldev S. Narayanan - Takshila Santiniketan Fine Arts Scholarship 2020. From 1st July 2020 to 31st March 2021. W.B.
5. Marbor Sing - Junior Fellowship under Ministry of Culture, Govt. of India, New Delhi, effect from 01-06-2019 - May 31- 2021.

## Department of Painting

Department of Painting was initiated from the beginning of Kala Bhavana by Nandalal Bose and has been one of main pillars of Kala Bhavana art pedagogy. In this respect it has maintained the past legacy of studio practice and trying to expand studio based practice as an active engagement with its immediate environment both through physical engagement with multiple local traditions and observation based knowledge with direct engagement with daily life and also a research based dialogue through archive and other anthropological and archeological dialogue leading to an interdisciplinary approach to research and interpretation. In this process it is giving emphasis to both individual and collective process of learning through individual innovations and group workshops exploring both the theoretical and process oriented notions of studio practice. Praxis has been the most important criteria of studio based practice of Department of Painting where both conversation with hands on traditions and new technology are being encouraged to reengage with eclecticism from a multiple historical perspective keeping a close contact with the indigenous traditions and reengage with the present from a diverse multiple point of view. In this time of COVID-19, Department of Painting is actively participating in the digital mode of dissemination of information to the students. In this respect it is developing innovative interpretation of online programmes and will activate digital media as a new platform of metaphorical and social dialogue. In this respect we will launch a students online digital exhibition. Generate multiple webinars and introduce the students to newer ideas from experts from different parts of Indian and abroad. Moreover once the institute opens it will arrange for Visiting experts to conduct workshops on different local traditions and contemporary practices and explore art pedagogy as an active interface of digital and physical dialogue of process and practice in relation to the changing lifestyle of contemporary times.

### **Departmental Seminar (Speakers, Title of the Seminar, Date)**

i) Under The mango Tree- A self organised gathering on Unlearning, An International seminar/ workshop organised by Department of Painting in collaboration with Shergill Sundaram Arts Foundation (SSAF) from, 3/02/2020 to 7/02/2020.

Curated By: Sanchayan Ghosh (Department of Painting, Kala Bhavana), Sepake Angiame (Curator, London) Tara Lasrado (Curator ,Switzerland)

### **Speakers:**

- a) Prof. R. Siva Kumar (History of Arts, Kala Bhavana)
- b) Prof Swati Ganguli (English Department, Bhasha Bhavana)
- c) Dr. Anshuman Dasgupta (Assistant Professor, History of Arts, Kala Bhavana)
- d) Pulak Dutta (Artist, scholar, writer, Santniketan)
- e) Dharitri Boro/ Visva Bharati (Santniketan, India),
- f) Clare Butcher (Zimbabwe),
- g) Alberto Cissello/ Cielaroque (Italy)
- h) Jorge González/Escuela de Oficios (Puerto Rico),
- i) Carmen José (Spain) and Bobby Sayers (United Kingdom),
- j) Nicolay Oleynikov/ Free Home University+School of Engaged Art ChtoDelat( Russia)
- k) Dharmendra Prasad (India)

- l) Sharmila Samant/ShivNadar University Noida (India)
- m) Vincent Tao (Canada),
- n) Meenakshi Thirukode/ Instituting Otherwise (India),
- o) Rocio Tejada and Taylor Cruz/Escuela de Artes Plásticas (Puerto Rico)
- p) Abijhan Toto/ The Forest Curriculum (India),

ii) Geneology of Three Generations of Birbhum Patuas, a seminar/workshop/exhibition by Arun Patua and also presentation by Subrata Ghosh (Folk Art Reseachers, Bolpur) organised by Department of Painting , Kala Bhavana from 16.08.2019 to 19.08.2019 in Nandan Museum Gallery, Kala Bhavana.

**Only National and International standard Conference /Seminar /Workshop / Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars.**

#### **A) DILIP MITRA (PROFESSOR)**

Group Exhibition

2019 - Remembering Prof. Dinkar Kowshik Exhibition by Kala Bhavana Praktoni, at Birla Academy, Kolkata

2019 - Participated Art Fair Organized by Emami Chisel , Kolkata

Workshops Attended

2019 - 5 Days painting Workshop , organized by Asiatic Society, Kolkata

2019 - International Art Workshop & Exhibition at SSVAD, Santiniketan

#### **Departmental Project**

2019 - Sonamukhi & Bishnupur Terracotta temple Project & Documentation with MFA mural Students

2020 - Hanseswari, Gupti Para & Kalna Terracotta temple Project & Documentation with MFA mural Students.

#### **B) ARGHYA PRIYA MAJUMDAR (Associate Professor)**

Group Exhibition

2019, Nov ' Anthology of Anecdotes' - A Group Show, Organised by Ganges Art Gallery and Inaugurated by Ambassador of Denmark, Kolkata.

'Remembering Dinakar Kowshik', an exhibition to commemorate the birth centenary, organised by Birla Academy of Art & Culture, Kolkata

#### **Workshops Attended**

2019 'Shilpi Milan Utsav' - An International Art Workshop, Organised by Society Visual Art And Design, Santiniketan.

#### **C) SANCHAYAN GHOSH**

Solo and Group Exhibition/ Project

2020 - Doosra - The Other Maze-II, a site based architectural, participatory Installation as part of the exhibition Game of Chances curated by Leandre (Curator) in Sunaparadata Art Festival, organised by Sunaparanta Arts Foundation Goa

2020 - Artistic Director of the collaborative Exhibition project Ways of Remembering Jallianwalla Bagh and Rabindranath Tagore's Responses in Victoria Memorial Portrait Gallery curated by



Sharmistha Dutta Gupta with support of Victoria Memorial Hall and Ministry of Culture.

2019 - Exhibition Dramaturg of the exhibition Call to Disorder: Experiments in Practice and Research, a site specific intervention in Seredipity Arts Foundation curated by Vidya Sivadas, director, FICA, New Delhi

2019 - Designed play Ekla Chalo Re for theatre group Swapna Sandhani directed by Koushik Sen

### **Mentor in Workshops and Projects**

2020, 9-14th March, - Visiting Faculty to conduct semester course on Design with 4th semester Director students of National School of Drama, New Delhi

2020, 3-7 February, - Curator of the International workshop project Under The Mango Tree- A Self Organised Gathering of Unlearning, in Kala Bhavana as part of the centenary celebration of Kala Bhavana. The workshop was co curated by Sepake Angiama (curator, London) and Tara Lasrado (curator, Zurich) organised by Department of Painting, Kala Bhavana and Shergil Sundaram Arts Foundation, New Delhi (SSAF)

2020, 17-25th November, Coordinator of the Indo European Art Residency Kala Bhavana Chapter organised jointly by Kala Bhavana, Goethe Institute, Aliance Franceis, British Council and CIMA Art Gallery Kolkata. Four artist from India, Germany, France and England visited Kala Bhavana and interacted with the students of Kala Bhavana. The artists were hosted by Kala Bhavana with support of Kala Bhavana Student's Aid Fund.

2019-20 - Invited as a mentor in Million Incidents , a performative art project curated by Raqs Media Collective with support of Goethe Institute, Maxmuller Bhavana, New Delhi and Kolkata

2019 - Invited as a mentor for the national level workshop project ON SITE, on site specific art practice, organized by FICA, New Delhi

### **D) RAJARSHI BISWAS**

Solo/ Group Exhibition

2019 - Remembering Dinakar Kowshik, an exhibition to commemorate the birth centenary, organised by Birla Academy of Art & Culture, Kolkata

2019, 13-15 September, Art Fair organised by Kolkata Centre for Creativity, Emami Group, Kolkata

### **E) PRASANTA SAHU**

Solo/ Group Exhibition

2020 "Art: Bengal Now" - a group show of Bengal Contemporary artists, Curated by Pranab Ranjan Ray, Jointly organized by Gandhara Art Gallery, Kolkata and Dhoomimal art Gallery, New Delhi, at Dhoomimal Art Gallery, New Delhi

2019- "Anthology of Anecdotes", a group show at ganges art gallery, Kolkata

2019 - "Kursi" a group exhibition of Sculptures, Paintings and Installations at Sarjan Art Gallery, Baroda, curated by SandhyaBordeweker

2019 - "Remembering Dinakar Kowshik," - a national level exhibition to commemorate the birth centenary, organised by Birla Academy of Art & Culture, Kolkata and Santiniketan Kala Bhavana Praktoni.

### **Workshops Attended**

2019- International Art workshop at SSVAD ( Santiniketan Society for Visual art and Design), Santiniketan; Selected contemporary artists participated from Thailand, Bangladesh and India

2019 -"Marve National Art workshop" - at Mudh Island, Mumbai, organized by Harsh Goenka, RPG Enterprises India.

#### **F) AMBARISH NANDAN**

##### **Solo/Group Exhibition**

17th - 21st January 2020 - Participated in the national level art exhibition - Visual Effects organized by art family from at visual Art gallery, New Delhi.

2019- Remembering Dinkar Kowshik, a National level exhibition, organised by Birla Academy of Art & Culture, Kolkata and and Santiniketan Kala Bhavana Praktoni.

#### **G) SK SHAHAJAHAN**

##### **Solo/ Group Exhibition**

2019, 12th November, Wounded Realms: Images of concern, at Harrington Street Art Centre and the Seagull Foundation for the Art, Calcutta

2019 - Wounded Realms: Images of concern, at Bihar Museum, Patna, Artshila, and The Seagal Foundation for the Art, Calcutta.

2019- Remembering Dinkar Kowshik, a national level exhibition to commemorate the birth centenary, organised by Birla Academy of Art & Culture, Kolkata and Santiniketan Kala Bhavana Praktoni.

#### **H) DHARITRI BORO**

##### **Solo/Group Exhibition**

2019- Remembering Dinakar Kowshik, an exhibition to commemorate the birth centenary, organised by Birla Academy of Art & Culture, Kolkata and Santiniketan Kala Bhavana Praktoni.

##### **Workshop Attended:**

2020, 3rd -7th February - 'Under the Mango Tree- a self-organised gathering of unlearning', cocurated by Sanchayan Ghosh, Sepake Angiama and Tara Lasrado,

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

#### **i) Dharitri Boro**

2019, 24th -26th November - Attended as External Practical Examiner for Visual Arts Department of Odd Semester Examination, , Assam University, Silchar

Publications within the year April 2019- March 2020

i) Text books ii) Other books iii) Monographs iv) Research Papers.(Author(s), title of Paper, year Journal volume No., Pages), v) Number of paper published in Peer/reviewed journals :

To be entered as:

##### **Departmental Publication:**

##### **Individual Publication: a) Single author b) Joint authors(of the same Department)**

a) Single Author

ii) Other Books: Chhad Petanor Gaan (Songs of Roof making) by Sanchayan Ghosh January 2020, published by Rhito Prakasana, Kolkata ( ISBN:978-93-88445-45-0)

iv) Research Papers.(Author(s), title of Paper, year Journal volume No., Pages), Pedagogy as a lived Practice of an Integrated whole Re engaging with Santiniketan Art Practice : Towards a

Performative Pedagogy by Sanchayan Ghosh, 2019, journal Chinha Annual Art Journal, , Volume-38, Pages-23-38 Publisher - Gauhati Artists Guild Guwahati, Assam, ISSN 2320-0464

**Other relevant information:**

Department of Painting has been regularly engaged with lots of interdisciplinary exercises like creating interface of research with performance art dance, and theater practices. In this respect they coordinated the performance of Daakghar performed by Sabitri Heisnam, renowned performer of Manipur and her group Kalakshetra, Manipur with support of Center for Interdisciplinary Arts in Kala Bhavana and Kala Bhavana Student's Aid Fund and Sangit Research Academy New Delhi. Moreover it has also coordinated the Indo-European Arts residency in collaboration with Goethe Institute, Kolkata, British Council, Kolkata, Alliance Francaise, Kolkata and Cima Art Gallery Kolkata where four international artists from Germany, France, England and India came and stayed in Kala Bhavana for a week and engaged with the students. The whole residency is generated in support of Student's Aid Fund Kala Bahavna and is participated by all the students of Kala Bhavana. Department of Painting is transforming the masters programme into an open ended diverse platform for young artists to prepare themselves and equip themselves into visual artists with wider exposure to multiple forms of practice so that they can engage with different social and cultural situations of the multilayered complex system of cultural practice of the global art phenomenon.

## Department of Graphic Art

### Departmental Seminar (Speakers, Title of the Seminar, Date):

#### Seminar/Art Talk:

1. Art Talk by Anindita Dutta on her art practice and Bodhgaya Biennale 19 Feb 2020
2. Art Talk by Nanna Krogh Lauritsen artist from Denmark on her Art Practice. November, 2019
3. Art Talk by Maria Flavia Goncalves Fernandes from Brazil on Mono prints as her Art Practice December, 2019

### National and International standard Conference /Seminar /Workshop / Exhibition etc.:

#### Details of chairing/evaluation/presentation made by Teachers/Research Scholars:

#### Arpan Mukherjee

1. 2019 : Conducted historical Photography workshop Mayo collage girls school, Ajmer, Rajasthan.
2. 2019: Participated in Lishui International Photography Festival, China
3. 2019: Participated in Serendipity Art Festival, Goa in the show titled ' Look Stranger!' curated by Rahaab Allana
4. 2019: Participated in a group show titled " Text III: Body as Text", curated by Subhalaxmi Sukla, Art & Soul Gallery, Mumbai
5. 24th May 2019: External RAC member for Ph.D evaluation, Department of Graphic Art, Rabindra Bharati University
6. 21st Oct 2019: External Member BOS meeting, Department of Graphic Art, Rabindra Bharati University
7. 2019 : Photography museum of Lishui has accepted a series of work for their collection.
8. 2019: Illustrated lectur on photography, organized by Rajya Carukala Parishad, govt of West Bengal,Kolkata

#### Dr.Uttam Kumar Basak

1. 2019,5 th Sept - Attended Seminar and delivered a lecture on "The development of Printmaking as a medium of Creative expression in visual Art at Kala Bhavana , Santiniketan" , , at Department of Printmaking , Faculty of Fine Arts , University of Dhaka , Dhaka, Bangladesh .
2. 2019, September - Solo Exhibition: "ORCHESTRATION OF COLOURS" organised by Abinta Gallery of Fine Arts, Dhaka, Bangladesh,.
3. 2019, December - Group Exhibition: Remembering Dinkar Kowshik, An Exhibition to Commemorate the Birth Centenary of Prof. Dinkar Kowshik, Birla Academy of Art & Culture,
4. 2019, 1-7 August - Art festival19- An Exhibition of Contemporary Art from organised by Vellore Institute of Technology VIT Vellore.
5. 2019, 7 September - Delivered an illustrative artist talk on " The development of Printmaking as a medium of Creative expression in visual Art at Kala Bhavana , Santiniketan" at University of Chittagong , Bangladesh as under International Artist Residency Program.

#### Ajit Seal

1. 2019 National Multi Media Art Camp Organized by Lalit Kala Akademi JJ School of Art, Mumbai

2. 2019, National workshop, Jawahar Kala Kendra ,Jaipur.
3. 2020,Invited for lecture and demonstration, Department of Painting, College of Fine Arts, Thiruvananthapuram2020- Group exhibition, Dhaka Art Gallery, Bangladesh
4. 2020, A Voice to a Voice,Cymroza Art Gallery,Mumbai
5. 2020, Celebrating India Bangladesh Printmaking, Confluence, Visual Art Gallery, Indian Habitat Center, New Delhi.
6. 2020 - Solo Exhibition, Art Konsult, New Delhi2019, Jury member, Illumination and Rangoli, IIT Kharagpur
7. 2019, Steering committee member, 2nd Print Biennale India, Lalit Kala Akademi.
8. 2019, Invited for lecture and demonstration, Rabindra Bharati University, Kolkata

### **Salil Sahani**

1. 2019 - Participated in 'Birth Centenary 'Exhibition Of Dinkar Kowshik' at Birla Academy of Art And Culture Kolkata,
2. 2019, 01-07August - Participated in 'Art Festival -19' at Vellore Institute of Technology.
3. 2020, 23 to 31 January - Participated in 'Confluence' Celebrating India Bangladesh Printmaking, at Visual Art Gallery & Open Palm Court, India Habitat Centre, New Delhi,.
4. 2020, 25 Feb to 4 March - Participated in ' Celebrating India Bangladesh Print Making' Chandigarh Lalitkala Academy And Alliance Francaise, Chandigarh & The Art Route, New Delhi,.
5. 1. 2019, 16 & 17 Nov -Awarded 'Best Researcher Award' in 2nd International Scientist Awards on Engineering , Science and Medicine , held in Visakhapatnam, India. by VD GOOD Professional Association
6. 2020- Awarded ' Pride of Indian Foundation Award' , By the Brand! Impact 2020 in New Delhi.

### **Moirangthem Thomas Singh**

1. 2019, September - Workshop on Intaglio process as faculty in exchange programme at Faculty of Fine Art, University of Dhaka, Bangladesh ..Participated in Exhibition of Prints (Teachers and students) at faculty of fine arts Dhaka, Bangladesh.
- 2.2019, November - Participated in 'Birth Centenary 'Remembering Dinkar Kowshik' at Birla Academy of Art And Culture Kolkata,
3. 2019 - Examiner for MFA Sem - 1Practical (CBCS) at Rabindra Bharati University, 4.2019 - Participated in 'Birth Centenary 'Exhibition Of Dinkar Kowshik' at Birla Academy of Art And Culture Kolkata.

### **Prasant Phirangi**

1. 2020, 1st and 2nd February - Paper presented title "Urbanisation" National Conference on contribution of Dr B.R Ambedkar to modern India - organised by department of Marathi and SC,ST,OBC employees welfare Association, Visva Bharati, Santiniketan
2. 2019, September 2 to 9 - Exchange Programme Workshop at Charu Kala University, Dhaka Bangladesh.
3. 2019, 1-7 August - Group exhibition - V-SPARC-Art festival 19, Organised by VIT(Vellore

institute of technology) from

4. 2019, 23rd Nov to 21st Dec - Group exhibition Remembering Dinkar Koushik's centenary Exhibition, at Birla Academy of Art and Culture, Kolkata.
5. 2020 4th -6th March -Resource person on -"Non Toxic Printmaking" Demonstration and Presentation at department of Graphic art, from Funded by Visva Bharati University.

#### **Aditi Ganeev Sangwan**

1. 2019, May - External examiner for foundation course at School of Planning and Architecture, New Delhi.

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department:

1. Exchange Programme at Charu Kala, Faculty of Fine Art, University of Dhaka, Bangladesh . September 2019.  
2."Non Toxic Printmaking" Demonstration and Presentation at Department of Graphic art, from 4th -6th March 2020 Funded by Visva Bharati University.

#### **Publications within the year April 2019- March 2020:**

- i) Text books ii) Other books iii) Monographs iv) Research Papers.(Author(s), title of Paper, year Journal volume No., Pages), v) Number of paper published in Peer/reviewed journals :

#### **Uttam Kumar Basak**

2019, September, Article Printed in " DESH PRASANGA"( Bengali) Dhaka , August - September 2019 issue , ISSN 2309-5245 . Article Title " The Beginning and Development of Printmaking in Santiniketan

#### **Prasant Phirangi**

- 1."Printmaking: The medium of expression in mechanical reproduction" Dr Prasant Phirangi, Academic Discourse- Indian Journals, Vol-8, no-2, Page no 30-33, ISSN:2278-3296
- 2."Perception of Digitography" Dr Prasant Phirangi, Art Echo- Publisher, Shilpangan India, VolIX, issue XVIII-XIX,ISSN-2348-5337

## Department of History of Art

Like most aspects of Rabindranath Tagore's educational program, the teaching of Art history at Kala Bhavana has an informal beginning and organic evolution before it was given an institutional framework. The inaugural moment of Art history at Kala Bhavana can be traced to the arrival of the renowned Art historian Stella Kramirsch at the end of 1922 on an invitation from Rabindranath Tagore to join the newly founded Visva Bharati. Given Kramirsch's training at Vienna which was the center of Art History in Europe prior to the Second World war, and her keen interest in Indian Art, she was also seen by Tagore as the appropriate person to bring a global perspective to Art Historical discourse at Santiniketan which had already a Pan-Asian breath. Kramirsch was followed by other visiting scholars and the discourse continued informally, which Rabindranath Tagore, Abanindranath Tagore, Nandalal Bose and Binode Bihari playing seminal in carrying forward. In 1958 Art history became a taught and examined course at Kala Bhavana, and this was one of the first Art Institutions to do so in India, ten years later when Kala Bhavana was restructured along disciplinary lines an independent department of History of Art was established: along with those paintings, sculpture and graphics and this led to the introduction of History of Art as an area of specialization. The department plans to enlarge its archival collection and build a more comprehensive visual archive to serve both pedagogic and research needs for not only the faculty but of the region. We plan to increase the stress on research and documentation so that the focus of both faculty and the students is directed primarily towards knowledge generation rather than on the accumulation and pedagogic dissemination of information. The Department also has plans to incorporate more of recent methodological apparatus and polemical directions, and widen the scope and possibilities of the discipline of Art history globally within the limits of institutional teaching; learning modules. We are also working towards interaction with scholars beyond the regular staff members in the teaching community so that a greater diversity of interest and research can be encouraged among the students. The Department shall continue its duty of imparting education through the B.F.A ( History of Art ), Bridge Course( History of Art), M.F.A ( History of Art), One year casual course, and shall promote research activities through Ph.D courses in the field of Art history. The department organizes Seminars, Workshops and Conferences in regular basis and also publishes a department journal NANDAN on the eve of Nandan Mela.

### **Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.**

**Susmita Maan (NET), ADESH BABU (NET-JRF)**

Departmental Seminar (Speakers, Title of the Seminar, Date)

### **Title Of The Seminar Organized In The Department Of History Of Art:**

1. Dr. Jayaram Poduval Hod Department Of Art History And Aesthetics, M.S University Baroda  
Title Of The Lecture, War &The Monuments: Political Rhetoric Of Indian Temples 9th Septemebr 2019
2. ProfMandar Mukherjee, Shri Shikshayatan College,Department Of Political Science, Kolkata  
Title Of The Lecture,Pictorial Essay Of The Indian Constitution 24<sup>th</sup> February, 2020
3. Eminent Scholar Mojgan Jahanara Title Of The Lecture Water Cosmology In Iranian Garden Design 13th Februry 2020

4. Eminent Artist Jatin Das Title Of The Lecture Artsit And His Art Works 2nd March 2020
5. Prof. Sanjeeb Mukherjee Title Of The Lecture Pushing The Limits Of Art: Exploring Conceptual Art Practices 5th March 2020

**National and International standard Conference /Seminar /Workshop / Exhibition etc.Details of chairing/evaluation/presentation made by Teachers/Research Scholars.**

**R.Siva Kumar**

1. 'From Swadeshi to the Constitution: Nandalal Bose and the Nationalist Project', 26th July 2019 at The Idea of the Indian Constitution, 5th national History for Peace Conference, organised by the Seagull Foundation for the Arts, Kolkata from 26th to the 28th July 2019.
2. 'Ramkinkar Baij: Inscribing the Marginal into Modernism', The Sculpted Image: Perspectives on Indian Sculpture, national seminar at the Emami Centre for Creativity, Kolkata 3<sup>rd</sup> August 2019.
3. 'A. Ramachandran: Many Facets of his Art', organized by the Kerala Lalitakala Akademi TDM Hall, Ernakulam, 6th Oct. 2019.
4. 'A. Ramachandran: Many Facets of his Art', organized by the Kerala Lalitakala Akademi, Museum Hall, Trivandrum, 10th Oct. 2019.
5. 'Early Kala Bhavana and Some Propositions for Art Education Today', Art Education and New Challenges, Faculty of Fine Art, University of Dhaka, 31 Dec. 2019
6. 'History, Memory and Modern Art: Thinking with K G Subramanyan', paper presented at a seminar Art Practices and a Sense of History at the Rabindra Bharati University, Kolkata on 14th February 2020.
7. 'Indo-Japanese Artistic Encounter in the Early Twentieth Century and What They Found in Each Other', paper read at the seminar Historical Links and Contemporary Convergences of India-Japan Relations, Asiatic Society, Kolkata, 13th March 2020.

**Soumik Nandi Mazumdar**

1. Delivered a lecture on Abstract Expressionism at Kolkata Centre for Creativity, Santiniketan August 2019
2. Delivered a lecture on 'Conversing with the space - interactive art practice in Santiniketan', Centre for Comparative Literature, Bhasha Bhavana, Visva Bharati, 26th February, 2020
3. Delivered a lecture on 'Tradition and the New Challenges' at an International Seminar on The New Challenges in Art Education at Faculty of Fine Arts, University of Dhaka, 29th to 31st December, 2019.
4. Conducted 4-days workshop on 'Training of Master teachers in Art Appreciation for Middle School Children' organized by State Council of Educational Research and Training, Government of Goa, 17th to 20th September, 2019

**Anshuman Dasgupta**

1. The Pedagogic moment: Everyday Life as a Model of Education in Santiniketan and its Curatorial Afterlife Public lecture at Bhau Daji Lad Museum, Mumbai- May 6th. 2019 ( Lecture- video) URL:<https://www.youtube.com/watch?v=xzg3zcgYC5Q>
2. 7 lectures on Indian Modernism ( centered on Art of Bengal : Kolkata and Santiniketan) BDL Museum Mumbai - May 5 th. May 6th. 2019



3. Ritwick's take on Ramkinker Baij A talk at the Launching seminar of Take on Art Journal, Location: Harrington Art Gallery , Kolkata, 27th. November,2019  
URL: <https://madmimi.com/s/f37cbf>

### **Meghali Goswami**

1. Lecture as a Curator, Dhaka Art gallery,Silpangan, Bangladesh, April 2019
2. Invited as a resource person at Art festival 2019, School of Architecture (V-SPARC), Vellore Institute of Technology (VIT), Vellore. 1st August-2019 to 3rd August 2019.
3. Invited to Dhaka University, Department of Graphics, Bangladesh 29th April 2019

### **Ongoing Research Projects in the Department**

- i. Name of the Teacher
- ii. Name of the Project
- iii. Sponsoring Agencies
- iv. Amount Sanctioned

### **Publications within the year April 2019- March 2020**

- i) Text books ii) Other books iii) Monographs iv) Research Papers.(Author(s), title of Paper, year Journal volume No., Pages), v) Number of paper published in Peer/reviewed journals :  
To be entered as:
9. Departmental Publication:
  10. Individual Publication: a) Single author b) Joint authors(of the same Department)

### **R. Siva Kumar**

Text books Individual Publication (Single author)

1. 2019, April - 'Beyond Painting: The Archives of Nandalal Bose', ,The Master's Hand: Artistic Vision of Nandalal Bose, Pundole's, Mumbai, pp.12-16. (5 pages)
2. 2019, May - 'Kala Bhavana and Nandalal's Teaching Programme', Art East, Issue 4, pp.24-29. (6 pages)
3. 2019, August - 'Back to the Roots', Art India vol.23, issue 2, ISSN 0972-2947, pp. 94-97. (4 pages)
4. 2019 December - 'India and The Modern in the Art of Pre-Independent India', Dec., Take on Art, vol. 4, issue 3, ISBN-10: 1108747736, pp. 22-27. (6 pages)
5. 2020 - 'Late Colonial Art: The Bengal School and Santiniketan', , Prof Sabyasachi Bhattacharya Ed., A Comprehensive History of Modern Bengal 1700-1950, Vol. 3, Asiatic Society of Bengal, Kolkata, ISBN : 13: 9789389901955, pp. 1073-1100. (28 pages)
6. 2020 - 'Tagore and the Visual Arts', Sukanta Chaudhuri Ed. The Cambridge Companion to Rabindranath Tagore, Cambridge, Cambridge University Press, ISBN-10: 1108747736, pp. 222 - 236 (15 pages)

### **Sanjoy Kumar Mallik**

Research papers; individual publication (single author)

1. 2019, July-December "Abanindranath Tagore [Ullapara station from the Shahjadpur series", Take on India - Bengal, Issue 3 Volume 4, M/s Latitude 28, Lado arai, New Delhi, , pp 38-39

### **Anshuman Dasgupta**

1. Research papers; individual publication (single author)
2. 2019, September - Ritwick's Ramkinker: a film in the process Bauhaus Imaginista Journal, Berlin, Germany  
URL: <http://www.bauhaus-imaginista.org/articles/5911/ritwik-s-ramkinker> September 2019
3. 2019, October - Santiniketan Architecture and its Discursive Orientations Seminar Journal , Special issue India Modern : New Delhi, E version url# <https://www.india-seminar.com/2019/722.htm>
4. 2019, December - Ramkinker's Thresher Take On Art , Printed Journal ,New Delhi, , pgs. 30-31;  
RNINo: DELENG/2015/60525

### **Soumik Nandi Mazumdar**

Research papers; individual publication (single author)

1. 2019, April - "Rabindranather Anka Chhobi:Bhashar khoje, dorshoker khoje", Sanchari, Volume no.1, Page no.11-16 , Journal of Department of Bengali, Vivekananda College for Women, Kolkata.
2. 2019, December - "Rabindranather Anka Chhobi:Dekhete Giye", Rabindra Saptaho Bhashon, 23-29 Sravana, 1424, pp - 89 -97, Visva Bharati, December, Kolkata. (ISBN-978-81-7522-678-4)

### **Meghali Goswami**

Books:Individual Publication (Single author)

1. 2020 - Idioms and Images: Printmaker Ajit Seal, Art & Deal Publication, New Delhii sbn 978-81-941556-1-4

### **Research papers; individual publication (single author)**

1. Issues of Identity and Marginality in Northeast India: Challenges to Social Inclusion ,International Educational Scientific Research Journal ISSSN :2455-295x
2. Artist Meghansh Thapa : Spirit And Narratives/ Black And White, International Educational Scientific Research Journal ISSN No:2455-295x
3. 2019 - Guest Editor North-East IndiaSpecial Issue- 2019 Art& Deal November Issue. 135, Volume. 15, No. 102 Issue ISSN 0258-2074, 2019
4. 2019 - Guest Editor North-East IndiaSpecial Issue- 2019 Art& Deal December Issue 136, Volume. 16, No. 103 ISSN 0258-2074, 2019

### **Rishav Gandhar Narzary**

Research Paper Individual Publication (Single author)

1. 2019, December - Cover Story 'A comparative beginning of modernism in the art of Assam:With focus on Sobha Brahma', Author- Rishav Gandhar Narzary, North East India Special Issue 1, Art& Deal, Issue. 135, Volume. 15, No. 102.

## Kala Bhavana Nandan Museum

Documentation of Art Objects		
Digitalization of Art Object	:	2735 Nos.
Accession & Documentation of Art Object (Strong room-1)	:	2203 Nos.
Accession & Documentation of Art objects (Strong room-2)	:	03Nos.
Preparation of Material wise Sectional records (Strong room-2)	:	8783 Nos.
Preventive and Curative Conservation of Art objects		
Fumigation and mechanical cleaning	:	661 Nos.
Curative Conservation	:	36Nos.
Mounting, framing & fixing of hinges	:	99 Nos.
Integrated pest management	:	04 Times.

### Conservation of Open Air Sculpture

Amulya Kumar Jena, Preservation Assistant, Kala-Bhavana Museum assisted during the curative conservation work of open-air sculpture "Santal Family" by Ramkinkar Baij at Kala-Bhavana, Visva-Bharati during the year 2019.

#### Preventive Conservation of Mural

Amit Kumar Danda and Amulya Kumar Jena of Kala-Bhavana Museum given preventive conservation treatment (i.e. mechanical cleaning, dry brushing, fungicidal and insecticidal treatment) to the mural "Birth of Chaitanya" at Patha-Bhavana on 8th and 9th November, 2019.

#### Conservation Workshop

Two days workshop on "Conservation and Restoration of Terracotta Objects" organized at Kala-Bhavana Nandan Museum, Visva-Bharati in collaboration with Suresh Amiya Memorial Trust and INTACH Conservation Institute Kolkata. Participated by Kala-Bhavana museum staff & students, during 02nd - 03rd March, 2020.

### Special Exhibition & Other Activities at Nandan Gallery, Kala Bhavana Museum

- 2019-14<sup>th</sup> July - 28<sup>th</sup> July : Exhibition of Reba Hore (Seagull Foundation).
- 2019-14<sup>th</sup> July - 28<sup>th</sup> July, :Exhibition of Max Neumann (Seagull Foundation).
- 2019- 04<sup>th</sup> Aug. - 10<sup>th</sup> Aug. : Exhibition of Asit Kumar Haldar (Kala-Bhavana Museum)
- 2019- 04<sup>th</sup> Aug. - 15<sup>th</sup> Sept. : Centenary Exhibition of Kala-Bhavana(Nandalal Bose by Kala-Bhavana Museum)
- 2019- 11<sup>th</sup> Aug. - 14<sup>th</sup> Aug. : Exhibition of Gandhiji (EXIM Bank)
- 2019- 16<sup>th</sup> Aug. - 19<sup>th</sup> Aug. : Exhibition of Patochitra (Painting Department, Kala-Bhavana)
- 2019- 01st Sept. - 30<sup>th</sup> Sept. : Centenary Exhibition of Kala-Bhavana's (Old Photograph Radhakrishnan)
- 2019- 20<sup>th</sup> Sept. - 24<sup>th</sup> Sept. : Exhibition of Siksha Satra, Visva-Bharati.
- 2019 - 02<sup>nd</sup> Nov. - 04<sup>th</sup> Nov.,: Exhibition of Janhavi Khemka.
- 2019- 15<sup>th</sup> Nov. - 03<sup>rd</sup> Dec., : Exhibition of Ramchandran and Chameli Tan.
- 2019- 08<sup>th</sup> Nov. : - Special Lecture on Satyajit Ray's Illustrations by Debasish Deb.
- 2019- 22nd Nov. -

03rd Dec.	:	Centenary Exhibition of Kala-Bhavana (Jogen Chowdhury's Painting by Kala-Bhavana Museum)
2019- 06th Dec. - 10th Dec.	:	Exhibition of Arun Paul.
2020- 05th Dec.19 - 12th Jan.	:	Centenary Exhibition of Kala-Bhavana (Japanese collection, Kala-Bhavana Museum).
2020- 13th Jan.- 21st Jan.		Exhibition of Kala-Bhavana Alumni .
2020- 27th Jan. - 31st Jan.:		Centenary Exhibition of Kala-Bhavana, Old woodblock print (Jotirmoy Bhattacharya's Collection) .
2020- 03rd Feb. - 15th Feb.:		Exhibition of K. G. Subramanyan (Seagull Foundation). Innovations, Tirupur, Tamilnadu. ISSN 2279-0128.

## **SANGIT BHAVANA** **(Institute of Music, Dance & Drama)**

Study of Music started under the canopy of Kala Bhavana in 1919 . At that time the name of the institution was "School of Art and Music". Gurudeva Rabindranath Tagore, founder of Visva Bharati University and one of the greatest thinker of post renaissance of India had a deep cherish for study of music especially different forms of Indian and Oriental Classical (Vocal, Instrumental) and Dance tradition. He had a desire to assemble all forms of classical performing art tradition and gave the whole a new shape, which have its manifestation in various Rabindra Songs, Dance Forms, Dance Dramas etc. Various illustrious personalities accompanied him in this endeavour like Dinendranath Tagore, Bhimrao Shastri, Hememdralal Roy, Pratima Devi, Ustad Allauddin Khan, Shantidev Ghosh, Shailaja Ranjan Majumder, Asesh Chandra Bandyopadhyay, Buddhimanta Singh, Nabakumar Singh etc.,

The performers achieved National & International attention which attracted many students and admirers to assemble at Santiniketan to study profoundly. Gradually Santiniketan was bestowed with the recognition of cultural ambassador of the nation. Many of its students achieved National and International acclamation and awards.

In 1933 the study of music in Santiniketan started at Sangit Bhavana specially devoted to the study and performance of various forms of oriental music and dance. The institution started with two departments i.e., Rabindra Sangit Dance & Drama and Hindusthani Classical Music. Institution started courses in Tagore songs, Tagore Dance Drama, Manipuri & Kathakali Dance forms under the Department of Rabindra Sangit Dance & Drama, as well as the Indian Classical Vocal, Instrumental courses like Sitar, Esraj, Tabla, Pakhawaj etc. under the department of Hindusthani Classical Music.

The great artistes like Kanika Bandyopadhyay, Rabindralal Roy, V.V. Wazellwar, Sushil Kumar Bhanja, D.T. Joshi, Nimai Chand Boral, Indranil Bhattyacharrya, Suresh Mishra, Ranadhir Roy, Yunus Hussain Khan, Amubi Singh etc., were the teachers in this institution.

Some great personalities in the field of music like Allauddin Khan, Nikhil Banerjee, Buddhadev Dasgupta, Faimuddin Khan Dagar came as visiting professor at Sangit Bhavana in different times.

Sangit Bhavana regularly conducts various function and festivals throughout the year like Vasantotsava, Varshamangal, Brikhsaropan, Pous-Utsava, Khristosava etc., in Santiniketan and different cultural centres of the country and abroad.

The tradition continues since then. The journey now has reached hundred glorious years.

## **Department of Rabindra Sangit Dance & Drama**

Gurudev Rabindranath Tagore, the founder of Visva Bharati, thinking much ahead of his times, emphasized on an inter-disciplinary approach towards art practice. Teaching of music, dance and drama were always an integral part of his pedagogic vision of a comprehensive education system. Sangit Bhavana as an Institute of Music, Dance & Drama under Visva-Bharati University is absolutely unique in nature as much as in its regular involvement in organizing functions and festivals e.g. Bengali New Year day and Tagore's birth day, 7th Pous, Festival of the rains, Tagore week, Tree Planting Ceremony, the Autumn festival, Spring festival as well as weekly Mandir Services (Upasana) etc., as laid-down in the statutes of the University since the time of Rabindranath Tagore. Innumerable other musical soirees are also presented in honour of respected guests of the University, seminars of other depts., throughout the year. These are activities which lie outside the syllabi of the institute but are integrating factors which help our students to become acquainted with stage performance and become individual performers in later life. This is also considered as an essential aspect which uplifts the tradition of Santiniketan. Our curricula aim for a total development of students with efficiency in the practical along with a strong theoretical background. Rabindrasangit, Rabindranritya, Esraj and Drama & theatre arts have immense impact in the national and international level, though they were nurtured locally. Hindusthani Classical vocal music, Instrumental music in Sitar, Tabla, Pakhawaj, Manipuri dance and Kathakali dance, which are also core disciplines of our curricula, play a key role in the propagation and dissemination of Indian classical art forms at the global level.

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.  
UGC-NET- AhanaChakraborty (WB0205203459), ShreyaMahato(WB0205204362)

### **Departmental Seminar (Speakers, Title of the Seminar, Date):**

Departmental Seminar, (100 years) centenary celebration of the "Introduction of Manipuri dance" in Santiniketan on 5th & 6th February, 2020. Organized by Manipuri Dance faculties, Sangit Bhavana, Visva Bharati.

National and International standard Conference /Seminar /Workshop / Exhibition etc: Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

### **International Seminar**

#### **Nandita Basu Sarbadhikary**

26.09.2019 - 28.09.2019 :Delivered the invited Keynote Address in the International Conference entitled 'Culture, Peace and Education: From the Perspective of People's History', jointly organized by the Department of History, University of Rajshahi and the Jana Itihash Charcha Kendra, University of Dhaka held at the University of Rajshahi, Bangladesh. Title of Keynote Address: "Sanskriti, Shanti O Shiksha: Prosongo Rabindranath".

#### **Invited as Keynote Speaker.**

23.12.2019-31.12.2019:Delivered the Invited lecture and presented a paper on the occasion

of the 150th Birth Anniversary of Mahatma Gandhi organized by International Society for Intercultural Studies and Research (ISISAR) held at GolparkRamakrishna Mission, Kolkata. Title of presentation: "Music as an Integrating Factor in Society " in the "World Thinkers' and Writers' Peace Meet" held during on Planetary Crisis and Human Liberation"

27.02.2020 - 28.02.2020: Delivered the invited Keynote Address in the International Conference entitled "Banga-Bandhu, His Times and Legacy: Society, Economy and State Formation in Retrospect" held at Barishal University, Bangladesh. Title of Keynote Address: "Banga-Bibhajan, Rabindranath, Bangabondhu: Prosongo Gaan" organized by the Barishal University and the Jana Itihas Charcha Kendra, Dhaka.

### **Y. Hemanta Kumar**

19.08.2019: Participated and performed at the International Seminar at Lipika Hall, Visva Bharati, organized by Physics Department, Visva Bharati.

30.09.2019: Participated and paper presented at the International Seminar at Agartala Town Hall, Tripura, organized by Manipuri Sahitya Parishad, Tripura, J.N. Manipur Dance Academy and Sangit Natak Academy, New Delhi.

19.11.2019: Participated and performed at the National Seminar at Bangladesh Bhavan, Visva Bharati, organized by Biology Department, Visva Bharati.

11.12.2019 - 14.12.2019: Participated and Performed at the International Seminar at Syhlet, Bangladesh, Organized by Bangladesh Adibashi Forum.

20.12.2019 - 23.12.2019: Participated as a resource person in the Seminar held at Jawaharlal Nehru Manipur Dance academy, Imphal, Manipur.

05.02.2020 - 06.02. 2020: Organized and performed at the Festival of Manipuri Dance on the occasion of the arrival of Manipuri Dance at Santiniketan, Visva Bharati .

### **Sruti Bandopadhyay**

02.05.2019: Delivered the Invited Special lectures at Department of Performing Arts, Sambalpur University .

13.05.2019 - 14.05.2019: Delivered the Invited Special lectures at Dept of Education, The University of Calcutta, Kolkata.

30.06.2019: Delivered the Invited lecture and act as Resource person in a seminar conducted by Laili Basu Dance Circle.

19.08.2019 - 24.08.2019: Delivered the Invited lecture and act as Resource person in the confidential workshop of NTA UGC.

11.12.2019 - 14.12.2019: Visit to Bangladesh for seminars on the occasion of 100 years of arrival of Manipuri Dance in Visva Bharati.

20.12.2019 - 23.12.2019: Delivered the Invited lecture and act as Resource person in the National seminar held at Jawaharlal Nehru Manipur Dance Academy on Manipuri Dance and Music.

05.02.2020 - 06.02.2020: Participated as organizer as well as dance artist in the Festival of Manipuri Dance on the occasion of the arrival of Manipuri Dance at Visva Bharati Santiniketan.

### **Sumit Basu**

20.07.2019: Invited and performed "Tagore's 'Barshamangal' by Acharya Shailajaranjan

Muzumder in 1932" organized by Chayanika, Dhaka, Bangladesh and Shilpakala academy, Dhaka, Bangladesh at Dhaka.

22.09.2019- Invited as Special Guest and delivered lecture about Tagore Music and dance organized by Parba Utsab, at Geetanjali Sabhagriho, Bolpur.

01.10.2019-Invited as Guest delivered lecture on Indian dance in National Folk Dance Festival-2019 organised by Bharat Kala Kendra at Srijani EZCC, Santiniketan.

28.02.2020: Invited as Special Guest in Manipuri Dance organized by Bangladesh Manipuri Association, Kamalganj, Islampur, Bangladesh.

29.02.2020: Invited and performed Tagore Dance with delivered a lecture on "Tagore Dance" organized by Bangladesh Manipuri Association, Ghoramara, Maulabibazar, Bangladesh.

20.07.2019- Delivered Invited a Lecture as guest in 119th Birth Anniversary of Acharya Shalijananda Mazumdar organized by Chayanika, Bangladesh held in Bangladesh Shilpakala Academy Seminar Hall.

01.03.2020: Invited and performed Tagore Dance in the Seminar entitled "Centenary celebration of 100 years of Manipuri Dance in Santiniketan" organized by Bangladesh Manipuri Association, Syllete, Bangladesh.

02.03.2020-Invited and performed Tagore Dance in the Seminar entitled "Centenary celebration of 100 years of Manipuri Dance in Santiniketan" organized by Bangladesh Manipuri Association, Machhimpur, Manipuri Village, Bangladesh.

04.03.2020: Invited and performed Tagore Dance in the Seminar entitled "Centenary celebration of 100 years of Manipuri Dance in Santiniketan" organized by Rabindraparishad- Bilunia and Agartala, Tripura at Dakshinagriho , Agartala.

05.03.2020 - 06.03.2020: Organizing member of cultural programme entitled "Centenary of Introduction of Manipuri Dance" organized by Dept. of RabindraSangit Dance Drama, Sangeet Bhavana, Santiniketan and published as editor 100 years celebration souvenir.

### **K. Premjit Singh**

12.01.2020 - 14.01.2020: Delivered the Invited lecture and presented paper in the International seminar organized by Ravenshaw University, Orissa held at Sarala Das Mahabharti, Bhubaneswar, Orissa. Title of the presentation - Sri Krishna and Vaisnavate Culture in Manipuri Dance and Nata Sanskritana of Manipur.

### **Amartya Mukherjee**

Refresher Course : Bengali Drama, 2 Lectures as Resource Person in North Bengal University, 9th December 2019.

### **Manas Bhul**

"Inter connection between Culture and Tourism in Birbhum""International Conference On Road Map for the Development of Rural Tourism in and around Birbhum"Visva-Bharati

### **Workshop**

#### **Prof. Sruti Bandopadhyay**

20.06.2019- 22.06.2019-Conducted workshop on Rabindranritya at PaschimBanga Rajya Academy

08.08.2019- Conducted workshop on Rabindranritya at Rabindra Bhavana, Siuri



21.10.2019- 24.10.2019- Workshop on Rabindranritya at Dance Department University of Manipur.

**P. Mukunda Kumar**

25.12.2019- One- Day Workshop, Cherrapulasseri College of Science and Technology (CCST)

**Sri.Suचेendranathan.P.K**

23.10.2019-One- Day Workshop in RashtriyaKalamanch& IGNCА- National Art- Cultural-Communication workshop, held in Bolpur

**Exhibition (Solo Performances)**

**Indrani Mukherjee**

May, 2019. A program titled 'Rabindrajanmatsab', scripted and directed by me, was broadcast on All India Radio in

November, 2019.I was a speaker on the program 'Vishwabandita Rabindranath', broadcast on All India Radio, in

Act as interlocutor in 'Rabindranath O Kirtan',delivered as a part of the Tagore Week Programme, Sraban 1426 (2019).

**Prasanta Kumar Ghosh**

15.04.2019 - Performed RabindraSangeet(Solo),Invited by Rabindra Bharati University at 'JORASANKO THAKUR BARI'.

11.05.2019 - Performed RabindraSangeet (solo) at "Calcutta Club Auditorium" on the occasion of 'RABINDRA JANMOTSAV' (2019) invited by "Calcutta Club" Kolkata.

13.05.2019 - Performed RabindraSangeet solo on Doordarshan, Kolkata, PrasarBharati, Government of India, "Live telecast", Named "SAKAL SAKAL".

20.05.2019 - Performed RabindraSangeet solo at Santiniketan Radio (FM) PrasarBharati.

21.05.2019 - Performed RabindraSangeet solo at RabindraSadаn Kolkata on the occasion of 'RABINDRA JANMOTSAV' (2019), Invited by RabindraSadаn('Information and cultural affairs),Government of West Bengal.

21.07.2019 - Performed RabindraSangeet solo at Gitanjali auditorium invited by 'RABIKIRAN', Kolkata.

20.08.2019 - Performed RabindraSangeet solo at Santiniketan radio (FM) PrasarBharati.

10.12.2019 - Performed RabindraSangeet(solo) at 'MohorKunja', RabindraSadаn, Kolkata.Organised and invited by "Bangla Sangeet Mela Committee"('Information and cultural affairs'), Government of West Bengal.

02.02.2020 - Performed RabindraSangeet solo at 'Gitanjali auditorium', Bolpur, Invited by 'Information and cultural affairs', SuiりBirbhum, Govt of West Bengal.

**Manini Mukhopadhyay**

20.05.2019-Solo Performance, RabindraJanmaotasabAll India RadioKolkata

08.08.2019-Solo Performance, 22 she Shrabon , RabindraSmaranAll India Radio

21.01.2020S-olo performance at "MaharshiSmaranUpasona"Sangeet Bhavana.

16.05.2019-Solo performance at "KabiPronam"SelfRabindrasadаn, Kolkata

24.10.2019-Solo PerformanceAll India RadioKolkata

08.12.2019 Solo Performance Bangla Sangeet Mela "MohorKunja" Kolkata  
 02.02.2019- Solo Performance Tourism Mela, "Bangla Amar Garbo" "Geetanjali" Bolpur, Birbhum  
 23.03.2019- Solo Performance, "Basanta Bandana" Ananya Music Company "Geetanjali" Bolpur, Birbhum  
 12.05.2019- Solo Performance Guwahati Brahma Samaj Guwahati, Assam  
 21.07.2019- Solo Performance, Aj "Shraboner Amontrane" Ananya Music Company "Geetanjali" Bolpur, Birbhum  
 05.08.2019- Script basis Solo Performance on "Gane Bigyane" Hemsheela Model School Durgapur, Paschim Bardhaman  
 25.08.2019- "Manab Kanya" Script basis Solo Performance as well as group performance "Saptak" Santiniketan "Rabirirtha" Kolkata  
 31.08.2019- Solo Performance on "Barshar Gan" "Chutaranga" "Geetanjali" Bolpur, Birbhum  
 05.11.2019- Solo Musical Performance "Rabirirtha" "Rabirirtha" New Town

### **Surajit Roy**

09.05.2019- On the occasion of the 159th birth anniversary of Rabindranath Tagore, I performed a solo Rabindrasangit at the premises of Kobipronam Jorasanko Thakurbari and it was conducted by Rabindrabharati university.  
 25.08.2019- Participate in programme, conducted by Saptak in Rabindra Tirtha.  
 29.01.2019- Performed a solo Rabindrasangit in Sisirmancha conducted by Robo Vabe-Anuvabe.  
 07.07.2019- Performed a solo Rabindrasangit in Utsargomancha in Bolour conducted by Purabi organization.  
 18.12.2019- Performed solo song in Lipika under the direction of Picasso, in collaboration with Karmi Mandali Visva-Bharati.  
 09.12.2019- Solo Rabindrasangit performed at Mohorkunja at Bengal music fair, conducted by information and culture Department, Government of West Bengal.  
 19.02.2019- On the Tara-Tv channel, I did a live programme and performed solo song on a program called Aj Sokaler Amontrane.  
 Live program on Ruposi Bangla TV channel and performed solo song sang on a programme called Ajie-Robir Provate.

### **Nandita Basu Sarbadhikary**

16.08.2019- Took part in the songs presented in the programme on the occasion of the visit of Hon'ble Vice President of India, Shri Venkaiya Naidu at Shyamali, Uttarayana on 16 August 2019.  
 September 2019- Took part in the programme 'Sharoter Amala Mohima' organised by the Rabindrasangit Gabeshana Kendra, Visva-Bharati.  
 September 2019- Took part in the Doordarshan Programme of Lecture Series on the Utsavas of Santiniketan telecast.

### **Sruti Bandopadhyay**

04.07.2019- Telecast of National Program of Dance in Doordarshan as a 'Top' grade artist of Manipuri Dance.

15.09.2019-. Performance of Manipuri Dance at the Nadanirajanam, Tirupati temple.  
12.01.2020- Performance at Shambhu Bhattacharya dance festival.  
19.01.2020- Performance of Rasalila at MalayaliSamajam.

### **SumitBasu**

16.5.2019 to 21.5.2019 - Invited and performed Tagore Dance of Santiniketan at Asian Civilization Parade-2019), organized by Beijing Municipal Bureau of Culture and Tourism, (CDSC) Govt. of China, Beijing

18.5.2019- Invited and performed Tagore Dance and Music of Santiniketan organized by Indian Embassy of Beijing ,China Beijing, China.

20.7.2019-Invited and solo performance in Tagore Barshamangal at Shilpakala academy ,Dhaka, Bangladesh organized by Chayanika, Dhaka, Bangladesh on the occasion of '119th Birth Centenary celebration of AcharyaShailajanadaNazumdar'.

09.09.2019- Invited and solo performance in Tagore Barshamangal organized by ZillaShilpakala Academy and JatiyaRabindrasangitSammeeleanParishad, Natour, Bangladesh

11.09.2019-Invited and solo performance in Tagore Barshamangal organized by DebendramanchaPatisar, Bangladesh

12.09.2019- Invited and solo performance in Tagore Barshamangal organized by ZillaShilpakala Academy, Rajshahi, Bangladesh

20.9.2019- Invited and solo performance with dance direction in Tagore dance drama "Bhanu-singher-padabali" and Manipuri Dance in Suchitra Mitra Festival organized byPurobi, Kolkata, at Rathindramancha,Kolkata.

30.09.2019- Solo performance Tagore Dance organized by Rabindrabharati Dance Department Praktaniat Mahitmancha, Kolkata.

21.10.2019- 22.10.2019-Invited and solo performance in Tagore Dance Drama-Barshamangal and Chandalika organized by MaymonsinghaPraktani, Siliguri at Dinabandhu Mancha, Siliguri.

22.10.2019- Delivered lecture in All India Radio, Siliguri on Radio Programme 'Tagore and Shailajaranjan Mazumdar'.

22.01.2020- 26.01.2020- Invited and solo performance in Tagore Dance Drama- Chandalika organized by Vidyasagar Foundation and Jatiya Saksharata Prasar Samiti in Vidyasagar Mela-2020, Purulia.

### **Sucheendranathan.P.K**

December-2019-Solo performance, 11thBharatmuni Festival-2019, KalingayanTouryatrikam, Bhubaneswar,

Solo, Bangamaohini- 2019, TA-TAI Dance Academi,I C C R Satyajit Ray auditorium, Kolkata-October-2019.

Extension activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department.

### **Extension Cultural activities**

(organised by the Department and participated by the Teachers and students of the Dept.)

### **Madhavi Ruj**

Participation in a Radio program on the occasion of 100 years of Sangit-Kala Bhavana in

July 2019

**Prasanta Kumar Ghosh**

01.07.2019 - Conducted and Performed 'VEDIC SONG' at Lipika Auditorium, Santiniketan on the occasion of 'NAJRUL SMARAN' organised by Bangladesh Bhavana.

08.08.2019 - Conducted and performed Rabindra sangeet on the occasion of '22 SHRAVANA', (Upasana). Organised by Karmiparishad, Santiniketan.

16.08.2019 - Conducted and Performed 'VEDIC SONG' at 'Syamoli Bari', Uttarayan complex, Santiniketan, in the presence of Honorable Vice president Venkaiah Naidu.

14.09.2019 - Performed RabindraSangeet at 'RABIBITAN', Organised by 'RabindraSangeetGaveshana Kendra' Santiniketan, on the occasion of Sarodotsav, named 'SHOROTER AMOLO MOHIMA'.

09.12.2019 - Conducted and Performed 'VEDIC SONG' and Rabindra Sangeet at Central library hall, Santiniketan.

22.12.2019 - Conducted and performed RabindraSangeet in '7th Poush Upasana' at Chatimtala, Santiniketan, organised by karmiparishad.

**Arpita Dutta (Das)**

08.08.2019-Participated and performed at special Mandir and other various programs organized by Visva-Bharati on the occasion of RabindraPrayana "22ndSravana" at Lipika, Visva-Bharati.

08.08.2015- Participate and performed in the "Briksharopan" organized by Karmiparishad, Visva-Bharati.

Participate and performed in the Inauguration of renovated ShyamoliGriha by Honourable Vice President

16.08.2019- Performed Students & Faculty, Sangit-Bhavana of VarshaMangal programme at Natyaghar organized by Karmiparishad, Visva-Bharati.

14.09.2019-Performed in a program" SaraterAmalMohima" organized by Sangit Bhavana at RabindraSangitGabesona Kendra

22.09.2019- Conducted the saptahikMandir as acharyaorganized by Karmiparishad, Visva-Bharati.

28.02.2020 Performed in a National Seminar on Advancement of Biology in the 21st Century organized by Dept of Zoology, Siksha Bhavana, Santiniketan at Bangladesh Bhavana, Santiniketan.

**NanditaBasu Sarbadhikary**

16.08.2019-Took part in the songs presented in the programme on the occasion of the visit of Hon'ble Vice President of India, ShriVenkaiya Naidu at Shyamali,Uttarayana on 16 August 2019.

September, 2019-Took part in the programme 'SharoterAmalaMohima'organised by the Rabindrasangit Gabeshana Kendra,Visva-Bharati.

September, 2019-Took part in the DoordarshanProgramme of Lecture Series on the Utsavas of Santiniketan telecast.

**Manini Mukhopadhyay**

13.08.2019-Act As Coordinator of Songs at RabindraSaptahaSangeetBhavana ,Visva Bharati

Lipika, Santiniketan.

16.08.2019-Act As participant in the inauguration by Vice president of India of Renovated "ShyamaliBari"Sangeet Bhavana ,Visva Bharati Uttarayan, Santiniketan

19.08.2019-Act As Coordinator of Songs for the programme arranged for Chief JusticeSangeetBhavana ,VisvaBharatiLipika , Santiniketan

Nov,2019-Participant and Coordinator in ConvocationSangeetBhavana ,Visva Bharati AmraKunja, Santiniketan

23.12.2019-Act As participantSangeetBhavana ,Visva BharatiUpasana Mandir of "7 oi Poush"

26.01.2020-Act As Coordinator of the Programme" Maghotsab" in Sangeet Bhavana, VisvaBharati,Santiniketan.

### **Saptarshi Ray**

14.04.2019-Barsha SeshVisva- BharatiUpasanaMandir

15.04.2019-NababarshaVisva- BharatiUpasana Mandir

15.08.2019-Independence Day CelebrationVisva- BharatiPhysical Education Ground

24.12.2019-7thPaushUpasanaVisva- BharatiChhatimtala

26.12.2019-KhrishtotsabVisva- BharatiUpasana Mandir

26.01.2020-Republic Day CelebrationVisva- BharatiPhysical Education Ground

26.01.2020-MaghotsabVisva- BharatiUpasana Mandir

### **Surajit Roy**

26.02.2019 - Performed song in the 'Shapmochan' dance drama on the occasion of the centenary of Sangit Bhavana,

Participated in all the programs of Visva-Bharati and have performed music, such -Barsa Monogol, Brikharopon, 15August, 7thpous, Basanta Utsav etc. events events.

### **K. Premjit Singh**

05.02.2020 - 06.02.2020-Participated in 2-day cultural programme for (100 years) centenary of the "Introduction of Manipuri dance" in Santiniketan Organized by Sangit Bhavana, Visva Bharati.

### **P. Mukunda Kumar**

Geetopadasham, LipikaAuditorium On 19th August (Departmental Program)

Pandavadoothu (Duryodhanavadam), Bangladesh Bhavan On November 19th (Departmental Program)

### **N. P.Sankarnarayan**

Performed Cultural Programme for National Seminar on Poverty, Corruption & Human Rights on August 19th to 20th 2019 at LipikaVisvaBharati, Santiniketan;

Performed Tagore Dance Drama "Chandalika" in the International Programme for Bangiya Council for Literature on 1st of April 2019 at Bangladesh Bhavana Santiniketan.

### **N. Rajesh Menon**

Kathakali performance at Bangladesh bhavana on November 19th (department program)

Geetopadasham, LipikaAuditorium On 19th August (Departmental Program)

Pandavadoothu (Duryodhanavadam), Bangladesh Bhavan On November 19th

## **Departmental Program**

### **Suचेendranathan.P.K**

Kathakali performance at Bangladesh bhavana on November 19th (department program)  
Geetopadasham, Lipika Auditorium On 19th August (Departmental Program)  
Pandavadoothu (Duryodhanavadam), Bangladesh Bhavan On November 19th  
(Departmental Program)

### **Amartya Mukherjee**

Performed in Poetry Festival (International), Santiniketan, 15th February 2020.  
Observer of 'Raja' in Saradotsav produced by Sangit Bhavana Visva-Bharati, October 2019.

### **Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)**

### **Award Received**

#### **ManasBhul**

NabaSahityoKomolSammanana by 'NabaSahityo Kamal', 2019

#### **K.Sunita Devi**

RajkumarBudhi Manta Award in 2019 from 24th September 2019.  
B.R. Ambedkar National Award in 2019 from Dalit Sahitya Academy. Imphal, Manipur on  
30th September 2019.

### **Sruti Bandopadhyay**

Selection committee member for the post of Dance under UPSC since 08.04.2019  
Member and Resource person of syllabus committee in Karnataka State University. (26 to  
30 April 2019).  
Act as Chairperson of NAAC Visit to KalaiKaveri College of Fine Arts college in Tamil  
Nadu on 26th and 27th August 2019.  
Member of DRC of the Department of Dance and Department of Drama, Rabindra Bharati  
University.  
BOS member of Classical Vocal, Kazi Nazrul University.  
UGC nominee for SAP-DRS under Department of Cultural Studies, Tezpur University

### **Publications within the year April 2019- March 2020**

#### **Individual Publication**

#### **Sruti Bandopadhyay**

Rabindranitya: The dance idiom introduced by Tagore, Sruti Bandopadhyay, Shubhi Publications,  
New Delhi, ISBN 9788182904248 released by His Excellency Governor of West Bengal,  
Shri Jagdip Dhankarh at Rajbhavan on September 4, 2019

#### **Book/ Book Chapters in Edited volume**

Manipuri Dance in Santiniketan: A 100 years journey (English) in a book edited by  
Samarajit Singha, published during celebration of 100 years of Manipuri Dance at a Manipuri  
village in Moulavibajar during Dec 11 to 14, 2019  
The Ritunatyas of Rabindranath: The foundation of Rabindranitya in Bengal, in the book

Glimpses of Manipuri Culture, edited by Dr Y. Gopi Devi, published by Lulu Publication, USA, 2019, Pg 211- 228

**Y. Hemanta Kumar**

The Journey of Manipuri Dance: In my space, practice and study in the Journal of JNMDA brought out as a part of the 4 days National Seminar on Manipuri Dance and Music held from December 20 to 23, 2019

A 100 year of the call of dancing: The chimes continue in Nartaki online Journal on March 4, 2020 <https://narthaki.com/info/articles/art471.html>

Book/ Book Chapters in Edited volume

Manipuri Dance in Santiniketan: A 100 years journey (Bengali) in a book edited by SamarajitSingha, published during celebration of 100 years of Manipuri Dance at a Manipuri village in Moulavibajar during Dec 11 to 14, 2019

**Sumit Basu**

Published dance article in Kishalaya 40Years Celebration Souvenir at Dinabandhu Mancha, Siliguri on 29.12.2019.

**Amartya Mukherjee**

RABINDRANRITYA Spark Book Company, Kolkata, ISBN 978-93-86746-55-9, January 2020.

## **Department of Hindusthani Classical Music**

Gurudev Rabindranath Tagore, the founder of Visva Bharati, thinking much ahead of his times, emphasized on an inter-disciplinary approach towards art practice. Teaching of music, dance and drama were always an integral part of his pedagogic vision of a comprehensive education system. Sangit Bhavana as an Institute of Music, Dance & Drama under Visva-Bharati University is absolutely unique in nature as much as in its regular involvement in organizing functions and festivals e.g. Bengali New Year day and Tagore's birth day, 7<sup>th</sup> Pous, Festival of the rains, Tagore week, Tree Planting Ceremony, the Autumn festival, Spring festival as well as weekly Mandir Services (Upasana) etc., as laid-down in the statutes of the University since the time of Rabindranath Tagore. Innumerable other musical soirees are also presented in honour of respected guests of the University, seminars of other depts., throughout the year. These are activities which lie outside the syllabi of the institute but are integrating factors which help our students to become acquainted with stage performance and become individual performers in later life. This is also considered as an essential aspect which uplifts the tradition of Santiniketan. Our curricula aim for a total development of students with efficiency in the practical along with a strong theoretical background. Rabindrasangit, Rabindranritya, Esraj and Drama & theatre arts have immense impact in the national and international level, though they were nurtured locally. Hindusthani Classical vocal music, Instrumental music in Sitar, Tabla, Pakhawaj, Manipuri dance and Kathakali dance, which are also core disciplines of our curricula, play a key role in the propagation and dissemination of Indian classical art forms at the global level.

The Department of Hindusthani Classical Music has developed as a pre-eminent centre for specialized training in khayal and dhrupad and Instrumental and percussion music. Many faculty members of the department are concert performers and are graded artistes of All India Radio, empanelled artistes of the Indian Council for Cultural Relations (ICCR), and recipients of different National and International awards. They are also engaged in multiple research collaborations with other disciplines like visual arts, ethnomusicology, theatre and films. The students of the department have gained recognition as independent practitioners and regular performers on the Radio and Television. Many scholars enrolled as PhD candidates in the department, are engaged in innovative approaches towards research in the performing arts. As part of future plans, the department intends to develop a dedicated archival section for the preservation and dissemination of rare recordings, in collaboration with other institutions. There will also be an endeavor to invite musician scholars and experts to conduct workshops on Hindustani classical Vocal and instrumental music to establish a dialogue between pedagogy and public performance.

### **Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations. UGC NET 02: Sayak Das, Himanshu Shekhar**

Senior Research Fellow (UGC NET-SRF)02 : Nabendu Kiran Debnath, Priyanka Howladar  
National and International standard Conference /Seminar /Workshop / Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars.



### **Swapan Kumar Ghosh**

02.07.2019- Gave solo performance with interview in a live programme, named 'Sur-Sadhana', arranged and telecasted by Doordarshan Kendra (Prasar Bharati), Kolkata.

17.07.2019- Conducted a Work-shop at the Department of Music in the University of Dhaka, Bangladesh.

11.09.2019- Gave solo performance in the 'PulinDebbarma Memorial Classical Music Conference', organized by Sachin Deb Barman Memorial Govt. Music College, Agartola, Tripura on 11th September 2019.

15.11.2019- Gave solo performance in the programme of Indian Classical Music, organized by 'Chhandalaya' at RammohanManch, Kolkata on 15th November 2019.

23.01.2020- Gave solo performance in the Classical Programme, organized by 'Shivaranjani', Bagnan, Howrah on 23rd January 2020.

### **Sabyasachi Sarkhel**

02.08.2019- Recorded Sitar recital at All India Radio, Kolkata, (Broadcasted on 11th August'2019)

02.08.2019- Performed Sitar recital at Tirupati Venkatesh Mandir, Tirumala, AndhraPradesh.

17.08.2019- Delivered Invited Lecture and Demonstration in the UGC Orientation Course organized by Academic Staff College, Burdwan University, as Resource person.

20.11.2019- Delivered Invited Lecture at Rabindra Bharati University regarding NAAC accreditation as Resource person.

23.11.2019- Performed Sitar recital at Ramakrishna Mission Institute of Culture, Kolkata.

10.01.2020- Recorded Sitar recital at All India Radio, Kolkata for the National Programme of Music (Broadcasted on 29th February, 2020).

23.01.2020- Performed Sitar recital at Panjabi University, Patiala, Punjab.

### **Basavi Mukherji**

23.11.2019- Delivered Invited Keynote address as Chief Guest in the International seminar entitled " Cultural Tradition in Performing Arts Through the Ages " and spoke about traditions pertaining to Hindustani vocal classical music.

20.10.2019- Recorded khayals of 1 hour duration for Akashvani , Kolkata (broadcast on 29.10.2019)

28.11.2019- Delivered Invited Lecture and Demonstration entitled, " Hindusthani Kantha Sangeete GeyaPrakar " for Akashvani Santiniketan.

07.12.2019- Performed as sole artiste of the evening for Sanskar Bharati and SumadhurHansadhwani Sangeet Trust, Faridabad. (National)

### **Eshita Chakraborty**

16.08.2019 - 17.08.2019-Delivered Invited Lecture and presented a Paper in the International Seminar entitled "Womenin Texts and Audio-Visual Media" organized by Department of Film Studies, W.B. State University. Title of presentation "Asha Bhosle ka Sangeetmayi Safar"

06.01.2020 - 07.01.2019- Participated and presented a Paper in UGC-RUSA 2.0 Sponsored International Seminar entitled "Rethinking Rabindranath: Modernity, Coloniality, Decoloniality" organized by Centre for Studies in Cultural Diversity and Wellbeing, Jadavpur University. Title

of presentation "Tagore Philosophy-Education-Culture-Tradition Through Rabindra Sangeet"

### **Ranjani Ramachandran**

11.04.2019- Presentation seminar, audio visual presentation on "Gwalior Gharana: Multiple Voices" at Archive of North Indian Classical Music, School of Cultural Texts and Records (SCTR), Jadavpur University, Kolkata

03.07.2019 - 04.07.2019- Conducted Workshop on "Indian Classical Music Appreciation" for students of the Department of Animation Cinema, Satyajit Ray Film and Television Institute (SRFTI), Kolkata

21.07.2019- Solo vocal performance on Hindustani classical, Rangakarmee Studio Theatre, Kolkata.

17.11.2019- Solo vocal performance on Hindustani classical in Suburban Music Circle, Mumbai.

05.12.2019- Solo vocal performance on Hindustani classical at Sunny Towers, Kolkata

08.12.2019- Solo vocal performance on Hindustani classical at Bhandarkar Oriental Research Institute auditorium, Pune.

17.12.2019- Invited as resource person at BandishAntakshari curated by Dr. Aneesh Pradhan, at Serendipity Arts Festival (SAF 2019), Goa

18.12.2019- Solo vocal performance on Hindustani classical at 'River Raga' in Serendipity Arts Festival,Goa.

01.02.2020- Interactive Dialogue with Warren Senders and Sumitra Ranganathan Hindustani Music: Practice. Performance. Pedagogy, CUSP Arts Festival, Chennai.

02.02.2020- Solo vocal performance on Hindustani classical, Morning Melodies, Luz House, CUSP arts Festival , Chennai.

03.03.2020- Collaborator in Installation exhibition "Ways of Remembering Jallianwala Bagh & Rabindranath's Response to the Massacre", curated by Sarmistha Dutta Gupta and Artistic Direction Sanchayan Ghosh held in Victoria Memorial, Kolkata.

Contributor as a vocalist in audio CD and book "Raga Chaitanya" compositions of Dr. Chaitanya Kunte published (online) by Sonic octaves, I pustak, amaltash.

### **Sandip Ghosh**

April 2019-Performed in the 100 years celebration of Sangit Bhavana with Mita Nag-

02.07.2019-Sursadhana Sadhana, Doordarshan,Kolkata ( participated in Tabla ).

10.8.2019- Invited as Resource person in the workshop of Tabla, organized by Sachin Dev Burman Govt. college of music, Agartala, Tripura.

15.11.2019-Participated in the Annual Cultural Program of Chandalay, Kolkata

23.1.2020-Participated in the Annual Cultural Program of Shivananjani (Bagnan).

### **Amit Kumar Verma**

05.02.2020 - 07.02.2020- Delivered invited Lecture and presented a Paper Presentation in National Seminar entitled "Chhayavadi Kavya me SanskritikAurDarshnik Chetana: NiralakevisheshSandarbh me" organized by Hindi ShikshanAdhigam Kendra, Mahatma Gandhi Antar- Rashtriya Hindi Vishwa- Vidyalaya, Vardha with coordination Hindi Prachar Samiti, Bolpur. Title of presentation- "Chhayavad Sahitya me Sangeet Tatva".

### **Shubhayu Sen Majumdar**

February, 2019- Delivered an invited lecture with demonstration at Dhaka University.

11.05.2019-A solo performance describing Classical influence on Tagore songs organised by Calcutta club.

31.05.2019- Akash ath (channel) presented Duet performance by me and Dr. Rajib Chakroborty.

### **Sitaram Das**

25.06.2019- Solo Performance on Tabla and Recorded at "All India Radio" Siliguri on (broadcasted on 02.07.2019).

20.07.2019- Performance of Tabla Trio at Shishir Manch , Kolkata.

05.08.2019- Performed as co-artist in programme for Hemsheela Model School; 'GanneBigyane'.

06.11.2019- Co-artist in Rabindra Sangeet performance in the International Seminar entitled "Rabindranath Tagore and the Enigma of Science-An Enduring vision" organized by the Tagore Center of Natural Sciences and Philosophy.on, at Rabindra Tirtha, New Town, Kolkata

31.12.2019-Solo performance on Tabla and recorded at "All India Radio" Siliguri (broadcasted on 21.01.2020).

21.01.2020- Performed as co-artist with Amrita Sarkhel (vocal) in the 'Sarbari Roy Chowdhury Festival of Music' at Shyor Bithi Park, Santiniketan.

08.02.2020-Delivered anInvited Lecture and Demonstration programme in a One-day Workshop based on "Riyaz Sadhana" organized by "GourMalhar" Purba Burdwan, West Bengal.

14.02.2020- Performed as a co-artist with Sunita Tikre (vocal) at "AurobindaNiloy", Santiniketan.

### **Extension activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department.**

#### **Departmental academic activity and collaboration**

10.02.2020- One day Listening Session on Hindustani Classical Music by the members of Archive of North Indian Classical Music, School of Cultural Texts and Records, Jadavpur University, Kolkata organized by Department of Hindusthani Classical music at Sangit Bhavana, Visva Bharati; Hands on experience of obsolete Audio Artefacts and obsolete technologies of Audio Recording.

#### **NSS Activities participated by Teachers and Students of the Department**

08.08.2019-Sabujayan (Tree Plantation 2019) Ashram Ground and University Premises

15.08.2019-Independence Day Vinaya Bhavana Play Ground.

24.09.2019- Celebration of NSS Day at NatyaGhar, Santiniketan.

23.12.20149 - 26.12.2019- Poush Mela.

28.09.2019-29.09.2019- Cleaning Program (Swachhata Bharat Abhiyan) at Poush Mela ground, Santiniketan.

26.01.2020- Republic Day Celebration Vinaya Bhavana Play Ground, Santiniketan.

10.03.2020- Gandhi punyaha (Swachhata Bharat Abhiyan), Santiniketan and Sriniketan campus.

#### **Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)**

**Sabyasachi Sarkhel**

09.07.2019 - 12.07.2019- Visited as a Member coordinator of UGC NAAC Peer team at Sarankul College, Odisha.

26.08.2019 - 30.08.2019- Attended as an expert member in UGC NET Workshop, Delhi.

24.10.2019 - 26.10.2019- Attended as an expert member in SET Workshop, College Service Commission, Kolkata.

14.08.2019- Attended Higher Degree committee meeting as external expert at Rabindra Bharati University, Kolkata.

14.10.2019- Attended the selection committee meeting at Banaras Hindu University, Varanasi. External Expert in BOS of Banaras Hindu University, Varanasi.

**Buddhadev Das**

10.04.2019 -Awarded an "A grade artist in Esraj (Hindusthani Classical Music)", at All India Radio, Kolkata.

03.09.2019 - Lecture Demonstration and Esraj solo recital "Sur Sadhana" was Live Telecast at DD Bangla, Kolkata DoorDarshan .

03.11.2019 - Broadcasted solo Esraj recital (Hindusthani Classical Music) on the " National programme of music / Ravivasariya Akhil Bharatiya Sangit Sabha" All India Radio.

Member of the Board of Studies (B.O.S) of Dept of Hindusthani Classical Music ,Sangit Bhavana,Visva-Bharati.

**Basavi Mukherji**

07.12.2019- Received the award / title of 'Sangeet Ratna' and memento from national organizations Sanskar Bharati and Sumadhur Hansadhwani Sangeet Trust, Faridabad.

**Amit Kumar Verma**

Member of syllabus committee & Text Book Writing committee of NCERT (National Council of Educational Research and Training, Govt. of India)

Member of School Management Committee, Kendriya Vidyalaya, Bolpur, W.B. for the session 2019-2020

Honoured with Sangeet Natak Award - 2016 for distinguished contribution in the field of Music Writing.

Appreciation Certificate by ZIIEI, Arvindo Society for Teacher Innovation Award - 2019

**Ranjani Ramachandran**

31.01.2020- 03.02.2020- Invited to Co-curate multi disciplinary Arts Festival CUSP in Chennai with First Edition Arts.

**Sitaram Das**

16.12.2019 - 17.12.2019- Appointed as an External practical Examiner at the Department of Performing Arts Assam University, Silchar, Assam.

15.05.2019 - 16.05.2019-Appointed as an External practical Examiner at the Department of Performing Arts, Assam University, Silchar, Assam.

**Shubhayu Sen Majumdar**

National/International Solo programme/Broadcast:

October 2019- Broadcasted solo Esraj recital on All India Radio.

Invited by Akash Ath(Channel) for celebrating World Music Day 2019.

13.01.2020- Invited to perform solo Esraj in The International conference on Cosmology and Partical Physics at Bangladesh Bhavana

On the occasion of Gandhiji's 150th Birth centenary National Doordarshan invited me to arrange 'Vaishnava Janoto' in Esraj and various instruments.

Publications within the year April 2019- March 2020

**Eshita Chakraborty**

"Swar-Sansaar: SamvaadvaVivaad", Eshita Chakraborty, Rada Bhavana , A bi-annual Peer-Reviewed Journal, August 2019, ISSN: 2348-0818

**Shubhayu Sen Majumdar**

11.01.2020-An article on ESRAJ published by 'Ananda Bazar Potrika '.

**Amit Kumar Verma**

"Sangeet me Shodh Patra Lekhanke Takniki Pahloo", Amit Kumar Verma,NaadNartan: Journal of Dance & Music, Chandigarh, Vol. 7, Issue.1, pp. 124-126, April 2019, ISSN: 2349-4654.

"Awadh ka Lok Sangeet: EkAddhyayan", Amit Kumar Verma, Seminar proceeding (Edited Book) by Dept. of Dance, Faculty of Performing Arts, BHU, Varanasi, pp. 997-1003, July 2019.

## **Rabindrasangit Gabeshana Kendra**

The Rabindra Sangit Gabeshana Kendra (RSGK) was inaugurated on 26th December, 2014 by Professor Amartya Sen, in the presence of many dignitaries, from inside and outside of Visva-Bharati. Because Tagore's music is the most powerful expression of his entire intellectual and creative pursuits, the idea of RSGK is to capture this hitherto uncharted domain through Research. In that sense RSGK is envisaged to play a role that is complementary to that of both Sangit Bhavana and Rabindra Bhavana.

The creation of RSGK as an independent, autonomous Centre within the purview of Visva-Bharati, was resolved by the Executive Council of the University in its meeting held on 24 January, 2015. Amongst other things the Council in its resolution said: the RSGK "... will carry out various research works related to Rabindrasangit and also publish accounts of them in collaboration with Granthana Vibhaga of Visva-Bharati. ...".

The satisfactory performance of the RSGK has been recorded in earlier and the presently-compiled Annual Reports of the University. The National Assessment and Accreditation Council (NAAC) team also made laudatory remarks during its last visit to RSGK, in the year 2015.

Over the years Sangit Bhavana which, along with Kala Bhavana, was the first institute of Visva-Bharati established by Rabindranath Tagore (in 1919), has been the main institute to carry out Tagore's multidimensional creation of music, drama and dance. It actively coordinates all cultural and spiritual events of Visva-Bharati such as related to 'Upassana', 'Briksharopan', 'Halakarshan', 'Shilpotsav', 'Basantotsav', 'Poush Utsav', etc. The teaching and research supervision, in accordance with UGC guidelines, is also done in Sangit Bhavana. The aims and objectives of RSGK are however different, albeit complementary to Sangit Bhavana. The idea is to delve deeply into the chronology of Rabindrasangit (such as in the Visva-Bharati project on 'KalanukramikRabindrasangit'), why and under what circumstances each song was composed - its relation to Nationalism, Freedom Movement, Internationalism, Spiritualism, Universal Love, etc. That is, RSGK was founded to capture the entire Tagorean Philosophy (as documented through his music). To the best of our knowledge, such research work is not carried out either in Visva-Bharati or elsewhere.

Rabindra Bhavana is a resource centre and repository of all of Tagore's intellectual property. It has Rabindranath's letters, photographs, archival records and manuscripts. However, Rabindra Bhavana does not possess the wherewithal of Rabindrasangit as mentioned under the above paragraph. RSGK strives to fill-in this gap, in close collaboration with Rabindra Bhavana. Summing up, RSGK, though incubated in the beginning in Sangit Bhavana - for administrative purposes - is envisaged to be an independent institute of Visva-Bharati, like Rabindra Bhavana, in the future. The research scholars are being attracted to RSGK from other Bhavanas as well as non-Visva-Bharati organizations, just as in the case of Rabindra Bhavana.

### **Academic Activities:**

February, 2019: Centenary Celebration of Sangit Bhavana: Tagore's "Shap Mochan" performed by faculty and students of Sangit Bhavana, under the supervision and direction of Prof. Indrani Mukhopadhyay.

September, 2019: 'Sharater Amal Mahima', was conducted by Rabindrasangit Gabeshana Kendra with the vibrant participation of the faculty and students of Sangit Bhavana, telecast by Doordarshan Kendra, Santiniketan.

RSGK is continuing the work of documenting a chronological checklist of Rabindranath's songs. The preparation of the chronological notations of Tagore's Brahmasangit is another continuing project of RSGK.

**Other relevant information:**

**Museum**

Within a short span the Gabeshana Kendra has created a rich museum of resources related to Rabindranath Tagore's songs, dances and theatre. This promises to be a source of future research on this subject.

**Library/Archive**

The library -- dedicated to books and articles of Rabindranath's music, dance and drama-- houses 1800 books. Among the archival resources, the major attractions include manuscripts of MayarKhela including the Poet's own corrections and the translations of a few songs of dance dramas.

**Audio Visual**

The Centre houses 75 Long Playing Discs and records of 75 cultural festivals of Santiniketan.

**Physical Facilities**

**Details of augmentation in infrastructure facilities during the year**

Facilities	Existing	Newly added
Campus area	2128.4 sqm/22902 sq. Ft.	NIL
Museum	01	NIL
Exhibition Gallery	02	NIL
Library/Archive	01	NIL
Audio Visual Room	01	NIL
Others - Buildings(built-up area)	5621 sq ft	NIL

## VINAYA BHAVANA

Vinaya Bhavana, the epitome of Art, Craft and Music based Teacher's Training Institution, was established by Rathindranath Tagore to promote the Educational philosophy of Gurudev Rabindranath Tagore.

Rathindranath Tagore started the foundation work on 26th December, 1946 with the presence of Sarojini Naidu, Raja Gopalachariya and other eminent persons. In 1948 the regular academic activities were started. Subsequently the institution developed as a full-fledged Teachers' Training institution in 1951, named as Vinaya Bhavana - An Institution of Education. After that two Departments namely Department of Physical Education and sport science and Department of Yogic Art and Science have added with Vinaya Bhavana.

Vinaya Bhavana has adopted Tagore's integrated system of education through which education, cultural sensitivity and social service can be provided to motley of communities that vary from one another.

The Institute has always been a committed participant in the ongoing debate on National New Education Policies. Through its Extension Services Wing, it attempts to participate and meaningfully engage with communities and neighborhood schools for mutual exchange of progressive, innovative and best practices of education. The students of this Institute are provided with a very rigorous, serious, guided and supervised internship programme under the guidance and supervision of experienced and able mentors in the twin schools of Visva-Bharati as well as other neighborhood secondary schools and selected schools of Visva-Bharati adopted villages affiliated to West Bengal Board's, CBSE & ICSE.

The institution offers enough opportunities for research, experimentation and application of technology in teaching and evaluation / innovative pedagogy spanning over 19 specialized school subjects.

The Department of Physical Education and Sport Science as well as the Department of Yogic Art and Science have been the added features of Vinaya Bhavana with particular emphasis on physical, mental and spiritual development.



## Department of Education

The genesis of the Department of Education, Vinaya Bhavana dates back to 1948 as a craft oriented teacher training institution. Right from its inception it has been mandated to make a Praxis of Education by bridging the gap between theory and practice. Orientation and Training of teachers, initially of craft and afterwards of secondary and master level teachers, have been its prime concern . With the passage of time and in keeping pace with the contemporary demands, the Department has relentlessly worked and added feathers to its cap by adding Professional Courses like B.Ed.and M.Ed. courses. With the passage of time the Department widened its scope by way of adding. M.A. (Education) Programme as a liberal stream of education alongside professional education. Doctoral level research programme is gaining momentum in the Department at this moment. Its esteemed faculty have always made their remarkable contributions towards formulation of National Policies of Education and Curriculum Frameworks of NCTE, NCERT and Model Curriculum of UGC.

Innovations in pedagogy and curriculum, inspired by Tagorean philosophy of Creativity and Freedom, has always got a centre stage in the scheme of quality education in the Department of education, Vinaya Bhavana. The fruit of education, as Gurudev wanted, was not to be confined in the ivory towers or campuses of Universities but to be of use and service to the society. The Department, being true to its spirit, has always been community centred. It has got a rich experience and heritage of teacher training and innovative methods and modalities of curriculum transaction. The credential of the Department in terms of its teacher training has not only been recognized by the Government of West Bengal, by giving preference to Vinaya Bhavana products in the recruitment of teachers, but across the country by way of appreciation of its teachers. The extension wing of the department organizes various in-service programmes from time to time for the benefit of Head masters and teachers of secondary schools.

The Department is all set to scale new high by way of its meticulous planning for the future on the basis of a Vision Document-2025 duly discussed and developed by its faculty members. Following are some of the programmes and activities proposed for future development of the Department:

Revival of Extension Wing with New Vigour and round the Year Activities

Publication of the Departmental Journal, both in print and electronic form

Collaboration with REC for Extension Activities in the adjoining Villages and Schools

Round the Year Departmental, Regional and National Level Seminar, Conferences and Workshops

Establishment of Centre for Studies in Human Values and Epoch-making Thinkers

Undertaking Researches and Projects in the emerging areas and themes of National Importance.

Automation of the Office and Student Support Services

### Name of The Students Qualified In UGC / CSIR/ NET/ SLET/ And GATE Examinations

Sr.	Name (Education)	Class	UGC-NET/ SLET/ SET
2019- 2020			
1	Subhamoy Roy	M.A.	NET
2	Susmita Roy	M.A	NET
3	Md. Asraul Haq	M.A.	NET
4	Pritam Pyne	Ph.D	NET
5	Laltu Halder	M.Ed.	NET & SET
6	Sarthik Das	M,Ed.	NET & SET
7	Sonia Tudu	M.Ed.	NET
8	Sujoy Kundu	M.Ed	NET
9	Nafisa Sanam	M.Ed	NET
10	Banshari Koley	M.Ed.	NET
11	Sumit Sao	M.Ed	NET
12	Chaitali Ghosh	M.Ed	NET & SET
13	Sujan Sarkar	M..A.	SET
14	Sumedha Mukherjee	M.Ed.	NET
15	Kazi Masud Hossain	M.A.	NET & SET
16	Shubhra Singha Chaowdhury	M.A.	NET
17	Laxmi Sarkar	M.A.	NET
18	Ethena Leom Lepch	M.Ed	NET
19	Binata mahato	M.Ed.	NET
20	Anupam Mondal	M.Ed.	NET
21	Saikat Saha	M.A.	NET
22	Debika Jana	M.Ed	NET & SET
23	Nandita dey	M.Ed.	NET
24.	Samsunnisa Khatun	M.Ed.	NET
25.	Suprova Dey	M.Ed.	NET
26	Alok Sarkar	M.Ed.	NET & SET
27.	Swagata Mondal	M.Ed.	NET & SET
28.	Debanjali Ghosh	M.Ed.	NET
29.	Sanjoy Singh	M.A.	SET
30	Rashmani Karmakar	M.Ed.	NET& SET
31	Najmus Sakib	M.A.	NET
32	Avik Halder	M.Ed.	NET
33	Rinku Nath	M.A.	SET
34	Tania Pal	B.Ed.	NET
35	Sharadindu Adak	B.Ed	NET
36.	Binita Bhakat	M.A.	NET
37	Indrajit Mahato	M.A.	NET
38	Sweety Thakur	M.A.	NET

39	Payel Ghosh	M.Ed.	NET & SET
40	Sukumar Mondal	M.Ed.	SET

Departmental Seminar (Speakers, Title of the Seminar,Date) :

**National Seminar on Holistic Education- Harmonizing the Body Mind and Spirit 17/02/2020-18/02/2020**

**Swami Sudarshananda Maharaj**

**Sudarshan Mishra**

Only National and International standard Conference /Seminar /Workshop / Exhibitionetc.Detailsofchairing/evaluation/presentationmadebyTeachers /ResearchScholars.

**Benudhar Chinara**

As a resource person I participated in the Workshop on 'National Library of Educational and Psychological Tests (NLEPT) organized by Department of Educational Psychology and Foundations of Education, NCERT, New Delhi during 25-27 November 2019 and 03-05 March 2020 at New Delhi.

As a Plenary Speaker presented a paper on a theme entitled "Holistic Education: Five Facets of Human Personality "in the National Seminar on 'Holistic Education: Harmonizing Body, Mind and Spirit' organized by Vinaya-Bhavana (Institute of Education), Visva-Bharati, Santiniketan during 17-18 February 2020 at Santiniketan, West Bengal.

As a resource person in the 'Refresher Course on Teacher Education (Interdisciplinary)' held during 06-20 September 2019 and organized by the Department of Education, Tezpur University, Tezpur, Assam, I delivered two lectures: 1) Collaborative Learning: A Case of Jigsaw, and 2) Contemporary and Emerging Issues in Teacher Education on 17 September 2019.

As a resource person in the 'Symposium on National Education Policy 2019' organized by the Department of Education, Tezpur University, Tezpur, Assam, delivered a lecture entitled 'Reflections of the Draft NEP 2019' on 11 November 2019.

As a resource person in the 'Induction Training Programme' organized by the Faculty Development Centre, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand, I delivered two lectures: 1) NEP 2019 in Transition: Some Critical Reflections, and 2) Assessment and Learning on 03 December 2019.

**Kahnu Charan Sahoo**

Delivered two lectures as a resource person in the 'Induction Training Programme' organized by the Faculty Development Centre, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand,

- 1) Higher Education: Governance with Least Cost & Less trouble.
- 2) Becoming Better Teachers: Research & Pedagogy Integratio

**Rajarshi Roy**

1. Invited as a Resource Speaker and delivered a key-note speech on 'Status of Tribal Education in India with especial reference to Northeast India: The Current Trend' in a

two-day National Seminar, organized by IASE, Tripura and sponsored by MAKAIAS, Kolkata on Tribal Education in India: Issues and Challenges on 28th& 29th July, 2019 at Rabindra Bhavan, Agartala and also acted as Chair Person in two technical sessions on 28th& 29th July, 2019 in the said seminar.

2. Invited as a Resource Person to deliver a special lecture on 'Educational Philosophy of Maulana Abul Kalam Azad and its relevance in the present time' on 9th November, 2019, organized by The Bhawanipur Education Society College, Kolkata.
3. Invited as a Resource Person to deliver few lectures on 'Teachers' stress and burnout management', 'Coping strategies for teachers' stress', and 'Basics of examination reforms: Related issues' on 9th and 10th December, 2019 in a Refresher Course on Teacher Education, organized by UGC Human Resource Development Centre, University of North Bengal, NJP, Siliguri.
4. Invited as a Chairperson in a technical session on 'Dr. B.R. Ambedkar and Education' in the National Conference on Contribution of Dr. B.R. Ambedkar to Modern India, jointly organized by the Department of Marathi, Visva-Bharati and SC, ST, OBC Employees Welfare Association of Visva-Bharati, Santiniketan during 1st and 2nd February, 2020 in Lipika and also contributed a paper titled 'Atrocity in Higher Education: Review of the Central University of West Bengal since last half a decade'.
5. Attended a National Seminar on Holistic Education: Harmonizing the body, mind and spirit during 17th to 18th February, 2020, jointly organized by Department of Education, Department of Physical Education and Department of Yogic Art & Science, Vinaya Bhavana and delivered the concluding speech on 18th February, 2020.
6. Invited as a Resource Person and delivered a special lecture on 'Importance of field study, workshops and community resilience as part of research' on 26th February, 2020 in a Capacity Building Training Programme on Research Methodology and SPSS, organized by Centre for Skill Development and Capacity Building, SAIRAD, Kolkata.
7. Invited as a key-note speaker and delivered a key note speech on Gender Sensitization and Role of Education and Media by Krishna Kanta Handiqui State Open University, Guwahati in a two-day National Seminar, sponsored by National Commission for Women, New Delhi on Gender Sensitisation in India's North East: Issues and Challenges on 5th & 6th March, 2020 at NEDFi Convention Centre, Dispur, Guwahati, Assam and also acted as Chair Person in a technical session on 'Gender Sensitization and Role of Education, Media and NGOs' on 6th March, 2020 in the said seminar.

### **Shyam Sundar Bairagya**

Chaired one Technical Session in the National Seminar on Holistic Education- Harmonizing the Body Mind and Spirit on 18/02/2020

### **Partha Pratim Sikder**

Presentation of Exhibits in the 18th International Art Exhibition at Academy of Fine Arts at Kolkata Organized by Nandan Santiniketan during 17.10.2019 to 23.10.2019 .

Presented a Paper on 'Art & Aesthetics Education' in the National Seminar on Holistic

Education- Harmonizing the Body Mind and Spirit on 18/02/2020

### **Sanat Kumar Rath**

Chaired one Technical Session in the National Seminar on Holistic Education- Harmonizing the Body Mind and Spirit on 18/02/2020.

Presented a Paper on Patha Bhavana : Rabindranath Tagore's Abode of Learning " in the National Seminar on Holistic Education- Harmonizing the Body Mind and Spirit on 18/02/2020

### **Prohlad Roy**

Chaired one Technical Session in the National Seminar on Holistic Education- Harmonizing the Body Mind and Spirit on 18/02/2020

Lecture delivered as Resource Person in National seminar on "Tribal Education and Development in West Bengal." on 28th June, 2019.Organized by Cultural Research Institute, Backward Classes welfare and Tribal Development Department.W.B.

Lecture delivered as Resource Person in International seminar on Threatened Language and Culture of Mahali community, on 29th June, 2019.Organized by Mahli Adivasi Welfare Society & Rabindranath Tagore Theosophical Lodge (A Branch of Indian Theosophical Society).

Lecture delivered as Resource Person in National seminar on Educational Thought of Dr.B.R. Ambedkar,1st February, 2020.Organized by Visva-Bharati SC, ST, OBC Employees Association,&Ambedkar Foundation,Delhi.

Lecture delivered as Resource Person in International seminar on various problem of Teaching of Indian Language, 22nd February, 2020.Organized by Arabic,Persian,Marathi Deptt and Hindi cell,Visva-Bharati ,Santiniketan

### **Chitrlekha Maiti**

Presented a paper on "Pedagogical Transformation and Transformative Pedagogy" in the National seminar on "Holistic Education: Harmonising Body Mind and Spirit" jointly organised by Department of Education, Department of Physical Education & Sports Science and Department of Yogic Art and Science, Vinaya Bhavana, Visva Bharati, on 17th and 18th February ,2020.

### **Sarita Anand**

Paper Presented on "Transformative Education: An Emancipatory Proclamation of Instrumental and Communicative Learning" in National Seminar on Holistic Education: Harmonizing the Body, Mind and spirit, held during February 17th-18th, 2020 organized by Department of Education, Vinaya- Bhavana, Visva-Bharati.

Paper Presented on "Campus Sustainability Practices: A case study of Visva-Bharati" in International conference on Road Map for the Development of rural Tourism in and Birbhum, held during November 16th -18th , 2019 organized by Visva-Bharati in collaboration with Ministry of tourism, Govt. of India and Tourism department, Govt. of West Bengal.

Paper Presented on "Child Labour in Indian Society: Some issues, Concerns and Challenges" in National Seminar on Prevention of Violence against Children: Challenges and Opportunities held on November 3rd, 2019 organized by Department of Social Work, Visva-Bharati.

**Sharmila Yadav**

Presented a Paper on Rethinking about Education System w.r.t.J.Krishnamurty' in the National Seminar on Holistic Education- Harmonizing the Body Mind and Spirit on 18/02/2020

**Umakant Prasad**

Presented a Paper on Inclusive Education' in the National Seminar on Holistic Education-Harmonizing the Body Mind and Spirit on 18/02/2020.

Presented a Paper on Study Webs of Active Learning for Young Aspiring Minds ( SWAYAM) : Learning in an All New Ways in the International Seminar on The Innovative Instructional Practices of the 21st century Education organized by Binod Bihari mahato Koilanchal University, Dhanbad on 1st& 2nd July 2019.

Presented a Paper on Child Labour in Indian Society : Some Issues, Concerns & Challenges in the National Seminar on Prevention of Violence against Children : Challaenges & Opportunities organized by the Deptt. Of Social Work , Visva-Bharati on 3rd Nov.2019.

Presented a Paper on Cultural Practices of Santiniketan: Creating Sustainable Developemnt in the International Conference on Road map for the Developemnt Rural Tourism in and around Birbhum organized by Visva-Bharati, santiniketan on 16th to 18th Nov.2019.

Chaired a Technical Session in the International Seminar on The Innovative Instructional Practices of the 21st century Education organized by Binod Bihari mahato Koilanchal University, Dhanbad on 1st& 2nd July 2019.

**Soumi Mandal**

Presented a paper on "Reconstructing Content Knowledge through Transformative Pedagogy of Language" in the National seminar on "Holistic Education: Harmonising Body Mind and Spirit" jointly organised by Department of Education, Department of Physical Education & Sports Science and Department of Yogic Art and Science, Vinaya Bhavana, Visva Bharati, on 17th and 18th February ,2020.

Presented a paper on 'Language Learning Approach of Equity and Togetherness Through Multilingual Education ' as Resource Person in International seminar on various problem of Teaching of Indian Language, 22nd February,2020.Organized by Arabic,Persian,Marathi Deptt and Hindi cell,Visva-Bharati ,Santiniketan

**On-going Research Projects in the Department**

Special Assistance Programme (SAP)-DRS Phase I sponsored by the UGC with an amount sanctioned Rs.85 Lakh Coordinator- Prof.K.C.Sahoo

**Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S.etc.)**

**Publications within the year April 2019- March 2020**

i) Text books ii) Other books iii) Monographs iv) Research Papers.(Author(s), title of Paper, year Journal volume No., Pages), v) Number of paper published in Peer/reviewed journals:

**To be entered as:**

1. Departmental Publication: Nil
2. Individual Publication: a) Single author b) Joint authors (of the same Department)

**Benudhar Chinara**

Teacher Education in the Draft National Education Policy - 2019: Some Professional Concerns. (2019.). University News, August 12-18, 2019, 57(32), 7-11. ISSN - 0566-2257.

B. Rai & B. D. Chinara. Quality of Education in Government Primary Schools: A Case of Sikkim. (2019). International Journal of Humanities and Social Science Invention, August 2109, 8(08.1), 14-22. ISSN (Print) - 2319-7714.

B. D. Chinara & D. Subba. Democratic Values Test. (2019). Agra: National Psychological Corporation. ISBN: 93- 87452-91-3

B. D. Chinara & K. Badakshan. PhD Course Work in Indian Universities for Promoting Quality Research. (2020). University News, January 06-12, 2020, 58(01), 60-64. ISSN - 0566-2257.

**Rajarshi Roy**

1. Gope, L, & Roy, R. (2020). Inclusion of Indigenous Pedagogy in B.Ed. curriculum, as practiced by the Santhal community. Journal of Xidian University 14(4), pp 689-702. ISSN 1001-2400.
2. Mondal, S. & Roy, R. (2020). Analysis of key components of secondary teacher education curriculum: Objectives, content and learning experiences of the different courses. Purukala 31(32), pp 169-176. ISSN 0971-2143.
3. Gope, L, & Roy, R. (2020). Identification of the Indigenous Knowledge for Sustainable Development, practiced by the Chakma Community in North-East India. Parishodh Journal IX (III), 4883-4913. ISSN 2347-6648.
4. Mondal, S. & Roy, R. (2020). Inclusion of ethnocultural components in secondary teacher education curriculum. Studies in Indian Place Names 40 (56), pp 1177-1185. ISSN 2394-3114.
5. Sarkar, P. & Roy, R. (2019). Impact of perceived stress over psychopedagogical status of teachers engaged in liberal education system. Journal of Education and Pedagogy XI (1), pp 39-61. ISSN: 0975-0797.
6. Tirkey, N. & Roy, R. (2019). Effect of blended and traditional Instructional strategies on 'Procedure Schema' in life-science learning at secondary level students with relation to their learning-styles. Journal of Education and Pedagogy XI (1), pp 16-30. ISSN: 0975-0797.
7. Sarkar, P. & Roy, R. (2019). Does stress possess any impact over Psychopedagogical status of the teachers, engaged in professional education system? International Journal of Research and Analytical Reviews (IJRAR), 6(2), pp 928 - 944. ISSN 2349-5138.
8. Sarkar, P. & Roy, R. (2019). Impact of stress over selected Psychopedagogical attributes among the engineering teachers. Journal of Educational Technologies and Innovative Research, 6(6), pp 487 - 503. ISSN 2349-5162.
9. Tirkey, N. & Roy, R. (2019). Effect of blended and traditional Instructional strategies on

'Concept Schema' in life-science learning at secondary level students with relation to their learning-styles. Journal of Education and Pedagogy X (2), pp 21-35. ISSN: 0975-0797.

### **Shyam Sundar Bairagya**

A study on Guidance Needs among the Pupils of 11th Grade in relation to their Streams & Types of Institutions Tathapi (UGC Care Journal); 2320-069, Volume 19(15), pp. 172-189 with Asraul A.

Ed. Trainees' Attitude Towards E-Learning in Relation to their ICT Familiarity in Birbhum and Purba Medinipur District, IJRAR JOURNAL P. 2349-5138, Volume 6(2), pp. 159-169 with Nath,R,

Conceptualization of Pedagogical Content Knowledge (PCK) of science from Shulman's notion to Refined Consensus Model (RCM): A journey , Education India Journal: A Quarterly Refereed Journal of Dialogues on Education, Volume 8(2), 2-19 with Roy, S.pp. 10-53

### **Sanat Kumar Rath**

Sikshana Kshamata , RSP Publishing , Sainkul , Odisha ISBN 978-93-5396-314-9 ; September 2019

Issues, Challenges and Best Practices in Inclusive Education for Children with Special Needs, Shodha Samiksha -National Journal of Research in Education & Sanskrit ISSN 2249-5045 Vol-IX Issue-I with S. Yada.

Innovative Instructional Strategies for 21st Century Classrooms', Shodha Samiksha -National Journal of Research in Education & Sanskrit ISSN 2249-5045 Vol-IX Issue-II with S.Yadav.

Equality Vs. Quality Syndrome in Education System of India ; Shodha Samiksha -National Journal of Research in Education & Sanskrit ISSN 2249-5045 Vol-X Issue-I with S.Mondal

### **Prohlad Roy**

#### **Books**

Educational Thoughts and Experiments of Rathindranath Tagore in Visva-Bharati, Santiniketan, (December.2019).Lap Lambert Academic Publishing,Germany, ISBN-978-620-0-49726-0.

Educational Thoughts of Mao Tse-tung and It's Importance in Contemporary Situation, (December.2019) Lap Lambert Academic Publishing, Germany ISBN-978-620-0-48570-0

Contribution of Birsa Munda in Education and Revolutionary Works (January.2020), Lap Lambert Academic Publishing, Germany ISBN-978-620-0-50609-2

Religious Education: The Need, Relevance and Comparative Analysis. (February,2020) Lap Lambert Academic Publishing,Germany, ISBN-978-620-

### **Sarita Anand**

1. Life Planning Education of School Students Through Career Guidance Published in Journal of Emerging Technologies and Innovative Research (JETIR), Vol-6, Issue-6, June, 2019, pp-122-127 (ISSN-2349-5162) Impact factor 5.87.<http://www.jetir.org/papers/JETIR1908169.pdf>
2. Quality Concerns in Education: Professional Competencies for Teacher Educators , Jigyasa: An Interdisciplinary Peer Reviewed Refereed Research Journal, Vol-12, May, 2019, pp.62-70 (ISSN: 09747648) <http://www.jigyasabhu.com/>



**Sharmila Yadav**

Issues, Challenges and Best Practices in Inclusive Education for Children with Special Needs, Shodha Samiksha -National Journal of Research in Education & Sanskrit ISSN 2249-5045 Vol-IX Issue-I with Dr. S.K.Rath

'Innovative Instructional Strategies for 21st Century Classrooms', Shodha Samiksha -National Journal of Research in Education & Sanskrit ISSN 2249-5045 Vol-IX Issue-II with Dr. S.K.Rath  
'Teaching-Learning Strategies for Thinking Classrooms'Journal of Educational and Psychological Research ISSN 2230-9586 with Dr.Gopal Singh Vol.9 No.1 ,2019

**Soumi Mondal**

Media As a Socio Cultural Tool of Language Learning : A case study on South Indian Children; International Journal of Basic & Applied Research , ISSN 2249-3352 Vol. IX No-VII -2019.  
Equality Vs. Quality Syndrome in Education System of India ; Shodha Samiksha -National Journal of Research in Education & Sanskrit ISSN 2249-5045 Vol-X Issue-I with Dr. S.K.Rath

**Designing New Course/Curriculum or any other teaching innovations introduced by the Department:**

Two Year B.Ed. Curriculum revised and 2nd Pedagogy subject Introduced and implemented from 1st July 2019

## Department of Yogic Art & Science

Maharshi Debendranath Tagore started Santiniketan Ashram for a meditation retreat. Then his son Gurudev Rabindranath Tagore started a Brahmacharya Vidyalaya, a traditional ancient Indian Tapoban style School, where Yogavayama was compulsory. Slowly, this became a college and ultimately flourished as a University, known as Visva-Bharati. From the inception, Yoga Vayama & Krida (Play) was compulsory in Tagore Educational ideology. In 1951, Visva-Bharati became a Central University, with a national importance. In late nineties, Government of India offered Visva-Bharati to start a Department of Yoga and Human Consciousness. Somehow, it was not materialized on that time. In 19th May, 2016 again MHRD and UGC recommended Visva-Bharati to start a Department of Yogic Art & Science, which was accepted in the Visva-Bharati Academic Council on 30.05.2016. Finally the Department of Yogic Art & Science has been started on 15<sup>th</sup> May, 2017 on the occasion of '200 year birth anniversary of Maharshi Devendranath Tagore'

**Presently the Department of Yogic Art & Science offers B.Sc. (Hons.) in Yoga and PG Diploma.**

In future the Department will offer M.Sc. & Ph.D. programme in Yoga also certificate course in Yoga and P.G. Diploma in Yoga Therapy (only for doctors).

In future the department will start an International Research Centre on Yoga Vyayama and related areas

Yoga Gram Project will be materialized soon (Yoga Village)

Yoga & Meditation Centre

Ancient & Traditional Yogic Text Library

Scientific Yoga Laboratories: International standard

AYUSH Hospital

Yogic Art Museum

Geriatric Yoga (Elderly) Centre

Divyangjan Yoga rehabilitation Centre

Child & Women Yoga rehabilitation Centre

Drug De Addiction Centre

Yoga is an ancient holistic wisdom of India and a practical science which signifies a harmonious integration at all levels of human existence. The essence of yoga is first available in Vedic literatures. All traditional Indian schools of Yoga advocate a movement towards the perfection of body and mind which lead to the soul and the almighty.

### **Objectives:**

1. To impart knowledge of classical Indian traditional yoga.
2. To provide scientific knowledge of yoga and to prepare qualified yoga professionals for the world society.
3. To prepare excellent yoga teachers and researchers.
4. To promote health, fitness and wellness.
5. Application of yoga for the prevention, care and rehabilitation of psychosomatic diseases.

6. Application of yoga for the development of Indian Culture, Value Education, Peace Education and Harmony within the world society.

**Departmental Seminar (Speakers, Title of the Seminar, Date)**

- i. "Education for life and not for near living": Seminar lecture by Mr. Nimish Pandya President, Shri Satya Sai Seva Organization, and 27th July, 2019.
- ii. National Seminar on "Yoga and values in Indian Education System" jointly organized with Kaivalyadhama Yoga Institute, Lonavla Maharashtra 11st & 12th October, 2019.
- iii. Seminar Lecture on "Yoga in USA" by Prof. C.K. Chapple Director, Yogic Studies Loyola Merymount University, USA on 3rd November, 2019.
- iv. National Seminar on Holistic Education:"Harmonizing The Body Mind & Spirit" Jointly organized with DPESS & DE, Vinaya Bhavana , 17-18 February, 2020

**National and International standard Conference /Seminar /Workshop / Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars: Joydeb Mondal**

Yoga Therapist presented in the workshop 5th International Day of Yoga 2019 organized by Consulate General of India, Guangzhou, China

**Prof. Samiran Mondal**

Head, presented in the Yoga Workshop organized by Ramkrishna Mission Shikshak Shiksan Mahavidyalaya, Belur, West Bengal.

"Historical Development of Yoga Culture" in Bengal presented by SOHAM-2020 Conclave on Wellness and longevity organized by Shri. Satyananda Mahapeetha, West Bengal Council of Yoga & Naturopathy, and Paschimbanga Ayurveda Parishad. at International Convention centre, Newtown Kolkata. on 7<sup>th</sup> March, 2019.

**Anurag Jaiswal &**

**Akanksha Mittal (Guest Teachers)**

presented paper in the ICSSR Sponsored National Seminar on Comprehensive Impact of Yoga, Mediation & Wellness on social wellbeing in 21<sup>st</sup> Century organized by Department of Physical Education, UCTC, Baharampur, Murshidabad, 21<sup>st</sup> November, 2019.

**Ongoing Research Projects in the Department:**

**Samiran Mondal**

Name of the Project: "Yoga Heritage of Kapil Muni in Bengal,"

"Yogic-Scientist to study the scientific contribution of the great yogi Swami Vivekananda."

Sponsoring Agencies: Kaivalyadhama Yoga Institute, Lonavla, Maharashtra as Knowledge Partner.

Amount Sanctioned(Nil)

**Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department.**

- i. 50 Days before International Day of Yoga Celebration (IDY), 'Yoga Workshop' by Patanjali Yogapeeth (Trust) Haridwar 2nd May, 2019
- ii. Yoga Week Programme

- a. 'Yoga for Elderly People' 15<sup>th</sup> June, 2019
- b. 'Art of Living through Yoga' 16th June, 2019
- c. Jain Meditation (Praksha Dhayana) & Executive Yoga for Sate Bank of India, Employee 17th June, 2019
- d. Bhuddist Meditation (Vipasana Dhayana) , 18th June, 2019
- e. 'Yogic Food and Organic Diet workshop' by Patanjali Yoga Peetha (Trust) Haridwar, with Visva-Bharati adopted villages 19th June, 2019
- f. Visva-Bharati National Service Scheme volunteers Yogasana competition 20th June, 2019
- g. International Yoga Day Celebration Ministry of AYUSH Yoga Protocol Practice at 7.00 AM & Interschool Yogasana Competition: 18 School Participated from Local Community, from 1.30 PM, 21<sup>st</sup> June, 2019.
- iii. Independent Day celebration 15<sup>th</sup> August, 2019.
- iv. Cultural exchange programme with a Yoga team from Switzerland 19th August, 2019.
- v. "Disaster Management" organized by Shri Satya Sai Seva Organization, on National Sport Day, 29<sup>th</sup> August, 2019.
- vi. Cultural Exchange Programme with Chinese Universities delegation. On 5th September, 2019.
- vii. "Yoga Diplomacy" lectures by Chinese delegation at Cheena Bhavana on 6th September, 2019.
- viii. Visit Kaivalyadhama Yoga Institute, Lonavla Maharashtra by the B.Sc.(Hons) in Yoga Final year Student on 13th October.
- ix. Visit National Institute of Naturopathy by the B.Sc. (Hons) in Yoga Final year Student on 14<sup>th</sup> October, 2019.
- x. Observed National Ayurveda Day, at DAM Hospital Santiniketan 25 October, 2019.
- xi. International Day of Disabled Person observation with Birbhum District Rehabilitation Council 3<sup>rd</sup> December, 2019.
- xii. Students participated at 'Raja Yoga Conference' organized by Ritambhara Prgya and Department of Sanskrit Jadavpur University 5th January, 2020.
- xiii. National Youth Day celebration 12th January, 2020.
- xiv. 'Classical Yoga Programme' presented in the Republic Day Observation 26<sup>th</sup> January, 2020.
- xv. 'Classical Bell Meditation Workshop' 18<sup>th</sup> February, 2020.
- xvi. Students Participated in the SOHAM-2020 Conclave on wellness and longevity organized by Shri. Satyananda Mahapeetha, West Bengal Council of Yoga & Naturopathy, Paschimbanga Ayurved Parishad on 7 & 8<sup>th</sup> March, 2020.
- xvii. Ayurveda & Yoga Therapy Clinic, (Two/Week) at Dinabandhu Andrews Memorial Hospital, Visva-Bharati, Santiniketan

**Designing New Course/Curriculum or any other teaching innovations introduced by the Department:**

I. B.Sc. (Hons) in Yoga CBCS Pattern, from July 2019.

**Other relevant information:**

The Department of Yogic Art & Science is an open air school with traditional Indian culture. In future, a "Yoga Gram (a Yoga Village)" will be established with the cottages of Asana, Pranayama, Kriya, Mudra and Meditation. In Dinabandhu Andrews Memorial Hospital, Visva-Bharati Ayurved, Yoga and Naturopathy, Unani, Siddha and Homeopathy treatment has already been offered under internship programme of UG course. Ayurvedic garden will flourish near to the department to preserve the extinct Indian medicinal plants and herbs with a landscaping garden for the practical classes and for the interested visitors.

## Department of Physical Education & Sport Science

The traditional programmes of Physical Education activities offered in Santiniketan since the inception of Brahmacharyashram, underpins the degree programmes in Physical Education in Visva-Bharati. The Department of Physical Education now boasts at two strong Bachelor Degree courses, namely, a 3-year B.A./B.Sc. (Honours) in Physical Education and a 2-year B.P.Ed. (Teacher Training) followed by a 2-year Master of Physical Education (M.P.Ed.) course and Ph.D. Programmes.

The objective of the Department in producing honours graduates in Physical Education, is to provide strong foundation in knowledge and skill to the future teachers and at the same time to extend opportunities to the aspirants for opting for Exercise and Sport Science-related career opportunities. B.P.Ed. and M.P.Ed. Degree programmes are offered at par with guidelines of the National Council for Teacher Education (NCTE), India.

Further, the Department of Physical Education has made noteworthy progress in the areas of research in Exercise and Sports Physiology, Exercise and Sports Biomechanics, Exercise and Sports Psychology etc in addition to other studies in the fields of Physical Education and Sports. Due to increasing importance in Physical Education and Sport for the society, the Department also emphasizes extension programmes in Physical Education offered in the form of recreational Sport or fitness sport or traditional sport.

The mission of the Department of Physical Education is to produce highly skilled and knowledgeable Physical Education professionals with a holistic understanding of physical, mental and spiritual benefits of human movement activities.

### **Name of the Students qualified in UGC/CSIR/NET/SLET and GATE Examinations.**

Sl.No.	Date of Qualify	Name	Exam
1	12.07.2019	Beauty Mondal	UGC-NET-JUNE-2019
2	12.07.2019	Anjan Kumar Biswas	UGC-NET-JUNE-2019
3	12.07.2019	Prokash Roy	UGC-NET-JUNE-2019
4	12.07.2019	Rohit Prasad Yadav	UGC-NET-JUNE-2019
5	12.07.2019	Tapas Rajwar	UGC-NET-JUNE-2019
6	12.07.2019	Noorkalam Sekh	UGC-NET-JUNE-2019
7	31.12.2019	Aminur Rahaman	UGC-NET-DEC-2019
8	31.12.2019	Debraj Bhattacharya	UGC-NET-DEC-2019
9	31.12.2019	Nasima Khatun	UGC-NET-DEC-2019
10	31.12.2019	Sudipto Birbongshi	UGC-NET-DEC-2019

**Departmental Seminar (Speaker, Title of the Seminar, Date)**

<b>Sl. Speakers</b>	<b>Title of the Seminar</b>	<b>Date</b>
1. Prof. A K Banerjee, Former VC, University of Kalyani	National Seminar on Holistic Education-	17-02-2020 to 18-02-2020
2. Prof. S Bhowmik, JUST, Jessore, Bangladesh,	Harmonizing the Body Mind and Spirit	
3. Prof. J Acharya, Dean, National Sports University, Manipur,		
4. Prof. Ikram Hossain, Head, Dept. of Physical Education, Aligarh Muslim University, UP		
5. Prof. P Debnath, Former Head, Dept. of Physical Education, Jadavpur University, Kol		
6. Dr. Kakali Bose, Dept. of Sanskrit, Jadavpur University and many other speakers		

**National and International standard Conference/Seminar/Workshop/Exhibition etc. Details of Chairing/Evaluation/Presentation made by Teachers/Research scholars:**

I. Dr. Sentu Mitra Participated and presented a paper entitled "Effect of Two High Intensity Training Programmes on Blood Lactate Level of Football Players" in the international seminar on "Trends, Issues and Development of Physical Education and Sport Sciences" organized by the IQAC & Department of Physical Education Sree Chaitanya Mahavidyalaya Habra in collaboration with Post Graduation Govt. College of Physical Education, Banipur on 20th September, 2019 at Sree Chaitanya Mahavidyalaya, Habra, North 24 Parana, West Bengal, India.

II. Acted as Co-Chairperson at a Scientific Session in the National Seminar on Holistic Education- Harmonizing the Body Mind and Spirit organized by the Department of Physical Education and Sport Science, Department of Education and Department of Yogic Art and Science, Vinaya Bhavana, Visva-Bharati, Santiniketan on 17th to 18th February, 2020 at Visva-Bharati, Santiniketan, Birbhum, West Bengal.

**Extension activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department:**

Sl. No.	Activity	Date	Participant
1	Fresher Welcome	05-08-2019	300
2	Fit India Movement launched by GOI on National Sports Day Celebration	29-08-2019	300
3	Intramural Programme Inaugural Ceremony and March Past Competition	29-08-2019	300
4	Teachers Day Celebration	05-09-2019	300
5	Annual Leadership Training Camp held at Tepantar, Satkahania, Burdwan WB	22-02-2020 to 27-02-2020	95
6	Gandhi Punnaho	10-03-2020	250

**Academic distinctions gained by teachers/Scholars or the Department as a whole (Like recognition as DSA or CAS etc.):**

Sl No.	DSA/CAS	Name	Date
1	Associate Professor (Stage-4) to Professor (Stage-5)	Prof. Ashok Kr. Goon	15-06-2019 (w.e.f.- 10-08-2013)
2.	Assistant Professor Stage 2 to Stage 3 (w.e.f. 04-04-2016)	Dr. Kallol Chatterjee	15-06-2019

**Publications:**

**Sumanta Kumar Mondal**

i. "A Study of Centre of Gravity in Different Phases of Selected Soccer Kicks". Chandra S and Mondal S K. Oct 2019. American Journal of Life Science. Vol-7, Issue-4, Page-75-82, ISSN: 2328-5702 (P); ISSN: 2328-5737 (O)

"Comparison between male and female on angular displacement of lower extremities joints and performance in shot put", International Research Journal of Management Sociology & Humanities, Impact Factor : 6.2311, Volume : 11, Issue :2 February 2020 ISSN: 9809 (Online) 2348-9359 (print), iSaRa Solution (127-130)

**Samiran Mondal**

i. "Single Bout of Yoga Practices (Asana) Effect on Low Frequency (LF) of Heart Rate Variability-A Pilot Study". De. A, Mondal S and Singh D. Oct-Dec-2019. International Journal of Medicine and Public Health. Vol-9, Issue-4, Page-160-163. DOI : 10.5530/ijmedph.2019.4.34



- ii. "Effect of twelve minutes run and walk on platelet variables". Garai B, Mondal S and Chatterjee S. 2019. International Journal of Physiology, Nutrition and Physical Education. Vol-4, Issue-2, Page-358-360. ISSN: 2456-0057

### **Kallol Chatterjee**

- i. "A study on effect of six weeks high and moderate intensity interval training on anaerobic capacity of Kho-Kho players". Das M and Chatterjee K .2019. Compliance Engineering Journal. Vol-10, Issue-12, Page-189-198. Joint author. ISSN: 0898-3577
- ii. "Effect of high and moderate intensity interval training on aerobic capacity of Kho-Kho players". Das M and Chatterjee K. 2019. International Journal of Physical Education, Sports and Health. Vol- 6, Issue-6, Page-75-79. Joint Author. P-ISSN: 2394-1685 E-ISSN: 2394-1693.

### **Sentu Mitra**

- i. "Effect of HIIT and SET Training on Repeated Sprint Ability of Football Players". Mondal G and Mitra S. July 2019. Indian Journal of Physical Education, Sports and Applied Science. Vol- 9, Issue-3, Page-27-31. ISSN-2229-550X (P), 2455-0175 (O).
- ii. "Effect of High Intensity Interval Training on Hemoglobin Concentration of Football Players". Mondal G and Mitra S. July 2019. Indian Journal of Applied Research. Vol-9, Issue-7, Page-1-2. ISSN: 2249 - 555X
- iii. "Aerobic Capacity, Vital Capacity, Resting Heart Rate of Positional Hockey Players: A Comparative Study". Singh LB and Mitra S. March 2020. International Journal For Innovative Research In Multidisciplinary Field. Vol-6, Issue-3, Page-216-220. ISSN: 2455-0620.
- iv. "Fitness Demands on Positional Differences in Hockey: An Analytical Study". Singh LB and Mitra S. March 2020. International Journal of Creative Research Thoughts. Vol-8, Issue-3, Page- 3148-3154. ISSN: 2320-2882.

### **Abhijit Thander**

- i. "A Study on Bat-Lift in Relation to the Batting Technique of Front Foot Straight Drive in Cricket". Thander A. April 2019. International Journal of Scientific Research. Vol-8, Issue-4, Page-22-23. ISSN: 2277 - 8179.
- ii. "Fastest Bowling Delivery is Associated with Selected Kinematic Factors in Junior Pace Bowlers". Thander, A., & Prasad, S. S. 4/2019. European Journal of Physical Education and Sport Science. Vol: 5 Issue-8, Pp: 89-95. ISSN: 2501-1235

### **Designing new course/Curriculum or any other teaching innovations introduced by the Department:**

Reviewing and revising curriculum of BA/BSc (Hons) in Physical Education programme and PhD in Physical Education Course Work programme Syllabi and these were approved in BoS meeting of Department of Physical Education and Sport Science on 25-08-2019 and Institute Board Meeting of Vinaya Bhavana on 01-09-2019.

## **PALLI SAMGATHANA VIBHAGA** (Institute of Rural Reconstruction)

Tagore initiated the "Sriniketan Experiment" through establishment of Palli Samgathana Vibhaga (Institute of Rural Reconstruction) in 1922. It was later on acknowledged and acclaimed even by the outside world as an eminent institution for innovative experimentation. In the words of Tagore, the object of his programme was "to bring back life in its completeness into the villages making them self-reliant and self-respectful, acquainted with the cultural tradition of their own country and competent to make an efficient use of modern resources for the improvement of their physical, intellectual and economic conditions". Tagore's mission of rural reconstruction was based on four principles - self-interest, self-respect, self-reliant and joy in work. Now, the Institute of Rural Reconstruction i.e. Palli Samgathana Vibhaga (P.S.V) is actively engaged in improving the condition of surrounding villages and also has four academic departments those impart education in a very structured manner with research facilities. The four departments include Department of Social Work, Department of Silpa-Sadana, Department of Rural Studies (Palli Charcha Kendra), and Department of Life Long Learning and Extension (Rural Extension Centre). Each department has its own objectives and functions with a common goal of Rural Reconstruction.

Besides the existence of four departments under Palli Samgathana Vibhaga (PSV), it has one Music Unit which is primarily working for teaching of the boys and girls of the surrounding villages adopted by the Visva-Bharati. The unit aims towards spreading the Rabindra-culture through music and folk songs in the villages. The Bhavana also has a library at its premise under the administrative control of Central Library, Santiniketan. Library has enough facilities to access important journals, magazines, daily newspapers, etc. besides books of related academic programmes of the respective departments.

Last but not the least, Sriniketan is a place which excels in cultural exchange since the Tagorian period. This happens through the organization of functions/festivals and PSV participates actively in this context. The common festivals include Halakarsana Utsava, Silpotsava, Sriniketan Annual Festival & Magh Mela. The festivals provide ample scope for interaction among the local communities.

## **Department of Lifelong Learning & Extension (Rural Extension Centre)**

Department of Lifelong Learning and Extension (Rural Extension Centre) is one of the oldest departments under Visva-Bharati. It has been actively engaged in improving the condition of the villagers since inception of Sriniketan by Rabindranath Tagore and Sriniketan Experiment (1922). Over the years the department has been accenting on development of rural people and their livelihoods through teaching, research and extension and encourage the villagers to become self-reliant. From inceptions, the department has been playing the role of advocacy for the co-operative way of living by integrating local initiatives, leadership and local self governance in every aspect of public life as envisaged by Gurudev Rabindranath Tagore. Considering the growing demands of the society, the Department of Lifelong Learning and Extension (REC) has extended its area of work. Previously, the department provided extension and field outreach services to 50 villages, which were scattered in two Community Development Blocks and under eight Gram Panchayats for holistic rural development. During the convocation lecture on 25<sup>th</sup> May 2018, our Hon'ble Acharya (Chancellor) and Prime Minister of India Sri Narendra Modi appreciated the initiatives and extending his hope and expectation from the University to reach the activities in 100 villages by 2020-2021, to commemorate the accomplishment of University's 100th year. So, presently, the Department has identified 56 more villages and initiatives have been taken to extend its activities to more 56 villages. Department of Lifelong Learning & Extension (REC) has adopted an integrated approach to work in three vital areas viz. Teaching, Research and Extension & Field Outreach Programmes.

### **Teaching, Research and Extension Programmes:**

1. Two year Master Degree in Rural Management
2. Offering regular Ph.D Programme
3. Regular Research programme funded by various funding agencies

### **Extension Activities at a Glance:**

Operational area of Rural Extension Centre

Blocks Covered : 2 (Two), 1) Bolpur-Sriniketan 2) Illambazar

Gram Panchayats: 8 (Eight)

Name of the Panchayats: Under Bolpur-Sriniketan Block: 1) Raipur-Supur 2) Konkali 3) Sattore 4) Kosba 5) Sain-Muluk 6) Ruppur 7) Albandha-Sorpalehna

Under Illambazar Block: 8) Illambazar.

Total villages Covered: Existing 50 (Fifty), initiatives has been taken to include more 56 villages gradually.

### **Nature of villages in terms of caste domination in existing 50 villages**

- a. Number of ST dominated villages: 09 (Nine)
- b. Number of SC dominated villages: 04 (Four)
- c. Number of Minority dominated villages: 06 (Six)

d. Number of Mixed caste villages: 31 (Thirty one)

**Among the manifold and multifaceted activities of REC the following are the most important:**

#### I. Village Development Societies (VDS)

The rural reconstruction works in the villages carrying out and implemented through the Village Development Societies (VDS) situated in the villages were closely and actively associated with the department. Village Development Societies working at the grass root level for implementing as well as formulating different extension activities of the department.

The Village Development Societies are the focal point of services of the Department of Lifelong Learning and Extension. Further, all the command area villages were grouped under five clusters. The name of the five clusters are *Rathindra*, *Kabiguru*, *Pratimadevi*, *Elmhirst*, *Kalimohon* and all these clusters have conducted their meetings on regular intervals for developmental activities in their respective villages.

During this year, partial financial assistance was given to VDSs for the construction, electrification, repairing of society buildings, purchase of essential materials etc. Village Development Societies are also facilitated with partial financial assistance for conducting cultural programmes, health awareness programmes, plantation, sports and other extension programmes in their respective villages by involving local people, resources and institutions.

Football and Volleyballs distributed among Village Development Societies for promotion of sports in their villages. Four central levels meeting with all the representatives of Village Development Societies was held at Sriniketan for planning of the extension programmes of the Department and no. of meeting was held with the stake holders of the Department at Cluster level for implementation of the programme.

A new initiative has been taken by the Department to include and organise more Village Development Societies (VDS) in the operational area of the Department for extension programmes.

This year the Department has felicitated to Kartickdanga, Nurpur & Mohula Village Development Society for their local initiatives to make their villages Plastic Free.

This year Village Development Society has taken active role for creating awareness about prevention of pandemic COVID 19 in their villages. Youth members of Village Development Societies come forward to aware people to wear mask and maintain social distancing. They also collected food stuff for poor, needy and migrant workers in their villages during lockdown period. They also arranged quarantine centre for migrant workers in villages.

#### **Village Development Societies at glance**

Types of Village Development Societies (Presently Functioning)	No.	No. of Villages Covered	Societies under Registration Act
Youth Societies	39	50	38
Mohila Samities	12	12	10
Health Society	1	1	1

## II. Mohila Samities (Women's Forum)

Women empowerment is one of the intervention areas of the Department since its early days. For women empowerment the need for formation of Mahila Samities in the villages had been felt long ago since the time of inception of Rural Extension Centre. Addressing the social issues concerning women is the main task of Mahila Samities. Presently, the department has 12 Mahila Samities in the operational area. In connection with women empowerment, different types of awareness and training programmes have been conducted with active support of the Mohila Samities. Besides, they also participated in the *Mohila Samabesh* on the occasion of Sriniketan Annual Festival 2019.

### Mohila Samities at a glance

No. of Mahila Samities	No. of Villages Covered	No. of Registered Societies
12	12	10

## III. Brati Organisation

Rural boys and girls between 6 and 14 years of age are mobilised into groups and motivated for welfare and different innovative activities in their respective villages by their own efforts based on ideals of Gurudev Rabindranath Tagore. The objectives of the programme are: - To develop the spirit of community services among the children through Brati organization. To undertake physical exercise in group in villages and to make a sound body with a sound mind of children through Brati organization.

To develop an awareness among the children and the society the natural equilibrium & environment education.

To develop leadership qualities among the children of Brati organization through group dynamism.

During last year, the Department has formed 20 such Brati Groups in 20 villages under the command area of the Department. For successful implementation of the programme 5-days physical training programme was organized like previous year for the Brati leaders at Sriniketan centrally. The Brati Dal with active support of the Village Development Societies (VDS) conducted and participated in different activities such as *Shramdan* (offering labour), drawing competition, cultural programmes, and publication of wall magazine, craft making, and leaf collection. Drawing, Sports, Craft making competition was also organized centrally at Sriniketan for the children of Brati Dals at Sriniketan. Besides, "*Swachhya Bharat Avijan*" was conducted with the Brati Dals in 20 villages through cleaning of drain, roads, tube well platform and pond side etc. Brati Dal attended programme of Children's Day celebration and they also performed in the programme. During this year Brati leaders also attended monthly seminar at Sriniketan for better implementation of Brati programmes.

During annual '*Brati - O -Yubo Samabesh*' on 6th February, 2019, as many as 500 Brati children & 40 Brati Leaders with their 25 Brati organization along with the representatives from VDSs including the Librarians, Assistant Librarians and the SHG members participated and performed in different colourful programmes of *Brati-O-Yubo Samabesh* at Sriniketan play ground. Leaders and Secretaries of VDS and Mohila Samities are felicitated with Broti a gift on this occasion.

### **Brati Organization at a Glance**

**Number of Villages Covered : 20**

**Number of Brati Organization**

Male : 2

Female : 2

Mixed : 21

**Number of Brati Members**

Male : 250

Female : 250

Total : 500

### **IV. Self Help Groups (SHGs)**

Organisation and supervision and developing Self Help Groups (SHGs) are another special programme of the department for women empowerment. The main objectives of the programme are-

To improve the socio-economic condition of the rural people particularly rural women through SHG intervention.

To develop the spirit of self- reliance and self-sustenance through SHGs among rural women.

To grow the habits of savings among the rural women.

To enable women to pool their own resources and use it for their income generation.

To develop the spirit of co-operation and self-help in the rural community.

### **Self - Help Groups at a Glance**

No. of SHGs functioning under the

Department : 100

Groups (gender wise)

Male: 9

Female : 91

### **Activities conducted with SHGs**

SHGs in our command area villages, apart from their regular meetings, savings, linkages with banks etc. are also taking various entrepreneurial initiatives for improving their own socio-economic condition. Out of which fish farming, small business, agricultural and live stock activities are important. During this year, SHG members also participated in different awareness programme organised by the Department such as '*Swachha Bharat Avijan*', and awareness programme on different issues of health and hygiene.

This year, 8 women artisans from SHGs participated in Sabala Mela at Karma Thirtha, organised by Govt. of West Bengal for women artisans to sale their handmade products

### **V. Rural Library Services**

Rural Library services are one of the important services of Rural Extension Centre through which literacy and education movement are carried out in the villages. Apart from this, another objective of this programme is to develop rural library as an information & cultural centre in the respective villages. This programme in rural areas has been carried out through network

of 38 rural libraries with an active and financial support from Raja Rammohann Roy Library Foundation (RRRLF), Kolkata. Librarians and Assistant Librarians of rural libraries have been working voluntarily since inception of the programme.

The objectives of the programme are:

To develop regular reading habits among the village readers.

To develop rural library as a cultural and continuing education centre.

To develop self- reliance and self-confidence among the rural youth and students.

To provide all updated information regarding modern and advanced science and technology among the readers of rural library.

Retention of acquired literacy skill for the neo-literates.

To develop rural library as a Centre for sharing, sustaining and strengthening the knowledge base of the people in general and students in particular.

### **Glimpse of Rural Library Services**

No. of Blocks: 02

(i) Bolpur-Sriniketan

(ii) Illambazar

No. of Gram Panchayats: 08

No. of villages covered: 38

No of Village Development Societies: 38

No of Functional Libraries : 34

Library exclusively for Health purpose: 01 (Surul Health Society)

No. of Children Libraries: 12

No. of Children's Corner 01

No. of Senior Citizen Corner 01

No. of Computers 11

Library having internet facilities 01

Initiatives for organising new library 01

### **Status of Books:**

Total No. of books in Rural Library: 1, 42,578

No. of books purchased during the year : 3672

Specimen Copies of Books collected during this year : 1171

Engagement of Readers& villagers in Rural Libraries:

No. of enrolled Readers: 4014 (approx)

Use of Books: 16479 (approx)

Activities of the Library during this year:

Library day observation : 15 Libraries

Wall Magazine Published : 03 Libraries

Cultural Programme organised by Rural Libraries : 23 Libraries

Total seminar organised centrally: 07 nos.

Total Cluster Level seminar organised at Villages : 20 nos.

Building construction with the financial support from RRRLF

No. of library building constructed: 26

### **Children's Library:**

Presently Rural Extension Centre has twelve children's library situated in 12 villages under its command area. These libraries are equipped with children books, Joyful learning materials, playing materials etc.

Other activities of Rural Library Services:-

Provided 350 Plastic moulded chairs with arm to 35 rural libraries.

Distribution of 108 nos. of books (title) to each rural library this year.

Distribution of specimen copies to new village for setting up rural library.

Distribution of books as a token gift in the felicitation programme of the successful candidates of Madhyamik & Higher Secondary Examination on the occasion of International Literacy Day.

Financial assistance provided to 23 libraries for conducting cultural programme in different occasion in their respective libraries involving library readers.

Initiatives was taken to equip the all rural libraries with computer/s phase by phase. In this regard, application of 07 rural libraries was sent to Raja Rammohun Library Foundation, Kolkata for necessary grant.

### **"Plastic Free Village" Campaign**

Plastic free village campaign was initiated in Mohula village on 22/09/2019 involving village youths, readers of the rural library. A rally was organised on this occasion and door to door campaign was launched. Villagers came out of their houses and deposited plastic waste. 100 participants took part in this programme.

### **VI. Agricultural Extension Activities**

This Department generally promotes awareness relating to agriculture and assist the VDS in extending agriculture extension work in the villages. As a part to promote horticulture in the villages, 125saplings of mango, guava and lemon were supplied to the 25Broti Dal on the occasion of Halakarshana Utsav on 9th August 2019 in Sriniketan.

### **VII Special Initiatives under Rural Library Services Programme**

Sahitya Sabhas was organized on cluster basis involving villagers, rural readers where quality writings from the readers as well as villagers were presented and deposited in the department. This is the new initiative of the Department under Rural Library Services Programme for last two years.

### **VIII. Continuing Education Programme**

Under continuing education programme different kind of awareness and sensitisation programmes were conducted as per the need of the community.



### **Training / Sensitisation/ Awareness Generation Programme At a Glance:-**

Sl. No.	Name of the Programme	Place	Total	Participants Collaborative Agencies/ Distinguish Resource persons
01	Yogic Food and Organic Farming Awareness Camp	Binoy Bhavana	102	Dept. of Yogic Art and Science, Visva-Bharati
02	Essay competition on "Swachhata"	Sriniketan	35	14 Different High Schools
03	Swachhata Hi Seva Campaign	Sriniketan Community Hall	275	VDS and High Schools

### **IX. Folk Cultural Activities**

To revive the traditional folk culture and to encourage the creative potentialities through this traditional asset in the rural areas is the main objective of this programme. Different types of folk cultural programmes were organised by the members of the village development societies. During the year, Rural Extension Centre organised folk cultural programmes with the active participation the village folk artists. During Sriniketan Magh Mela (2020), Rural Extension Centre took part in the programme called "Loko Sanskritir Ashor" where 30 folk artists from 5 different villages were participated. This year, number of Village Development Societies received partial financial assistance for organising different folk recreational programmes in their respective villages. Those folk item includes Vadu, Harinum, Yatra, Kirtan are noteworthy.

This year Nabbana Utsav celebrated at Kakutia village where 200 participants participated from command area of the Department. A cultural programme was also organised by the representatives of village Development Societies on this occasion.

The Department organised Kirtan Utsav in association with Anadamayee Samity, Surul at Sriniketan Pakurtala. Total 09 artists from different parts of West Bengal presented their Kirtan song in Kirtan Utsav in 9 days. Near about 1000 devotees and other people from different villages participated in each day.

### **X. Crafts Promotion Programme**

Promotion and revival of traditional crafts of villages is the main objective of this programme. The Rural Extension Centre has undertaken the crafts promotion Programme since 2001 a part of entrepreneurship development among rural artisan. Craftsmen are engaged in different crafts such as bamboo work, lacquer based handicrafts, wire, clay, jute work, paper pulp, sola pith, leather works, kantha stitch, grass work, appliqué etc. In this year, Rural Extension Centre has organized number of exhibitions-cum- sale counter of the rural artisan during important occasions such as during Poush Mela 2019, Magh Mela of Sriniketan 2020.

On the occasion of All India Handicrafts Week (8th to 14th Dec.2019), a workshop for the

rural artisan was organised by the Department. Resource persons from DIC, Suri and Silpa Sadana highlighted on different issues such as different schemes of Governments, marketing of the products and upgradation of knowledge and skill of rural artisans. Total 75 rural artisans from surrounding villages participated in the workshop.

This year Smt. Mallika Das of Raipur Village felicitated for jute and paper art crafts on the occasion of Silpotsav at Sriniketan 2019. Her paper and jute work highly praised by all in exhibition at Silpo Sadana at Sriniketan.

#### **XI. Special Initiative for Radio Programme on Extension Activities**

Special initiative was started for Radio-recording of the different extension programmes of the department for transmission to the remotest part of the village, so that villagers get encouragement for the developmental initiatives. Till now several programmes have been recorded and transmitted through the Radio during 2019-20. This initiative was taken place with the help of All India Radio, Aakashbani, Santiniketan.

#### **XII. Activities of Audio-Visual Unit**

The department has a separate audio-visual unit. This unit is responsible to provide still & video photographs and to make documentation of all the programmes. During Pous Mela this unit had prepared an exhibition on activities of the Department. A short film made on Plastic Pollution and exhibited at Community Hall Sriniketan.

#### **XIII. Celebration of Important Events/Days**

The Department Celebrated 127 Birth Day of Leonard Knight Elmhirst first Director of Sriniketan. On this occasion, a special lecture was given on L. K. Elmhirst by Prof. Amit Kr. Hazra, 36 representatives of Village Development Societies including staff members have participated in the programme.

On 30.09.2019 Felicitation Programme for the International Literacy Day was organised at Sriniketan community Hall. Total 97 Madhyamik and HS Students (A grade) felicitated by a dictionary provided by Santiniketan Trust. Cultural programme was organised on the occasion. The Children's Day was celebrated at five cluster villages. Drawing competition and cultural programme organised for the children from cluster level villages on the occasion of Children's day.

The Library Day was celebrated on 20.12.2019 by rural libraries. Rural libraries had observed the day through organising awareness programmes, village rally with various posters, charts and cultural programmes.

#### **XIV. Seminar / Workshop / Conference/ Exchange/Visit Programme**

Community Mobilization Programme on bio-energy from water hyacinth was organised for sharing of experiences at Goalpara village. Representatives from University of Leeds, ICT of Mumbai, Representative of Pune, Maharashtra, were present and applauded the activity of the village. This was collaborative project with Visva-Bharati.

Students of class XI from Patha Bhavana, Visva-Bharati visited for their orientation programme. They also attend a seminar on Economic thoughts of Tagore and Rural Reconstruction by Prof. Amit Hazra.

An exchange programme with the Manager of Central Cottage Industries Corporation of India Limited, Kolkata was organised at the Department. Rural artisans from surrounding villages participated in the programme to discuss about marketing opportunities of products by the corporation.

### **XV. Linkage Development**

The Department of Lifelong Learning & Extension (Rural Extension Centre), Visva-Bharati has been developing linkages with the following Institutions:

- i. Raja Rammohan Roy Library Foundation, Kolkata, Ministry of Culture, Govt. of India
- ii. All India Radio, Santiniketan
- iii. Block Development Office, Illambazar, Bolpur- Sriniketan
- iv. Block Primary Health Centre, Bolpur & Illambazar
- v. DIC, Suri, Birbhum
- vi. Central Cottage Industries Corporation of India Limited, Kolkata

### **Seminar/Workshop/Conference Attended**

#### **Amit Kumar Hazra**

Key Note address and Chair of one day International Seminar on 'New Media and Contemporary Society' on 17.07.2019 organised by the Department of Adult, Continuing Education and Extension, Jadavpur University, Kolkata.

Deliver lecture in 'Research Methodology Workshop in Social Sciences' on 03.08.2019 organized by A. K. Dasgupta Centre for Planning and Development [A Centre sponsored by the NITI AAYOG, Govt. of India].

Participated and presented paper (Jointly) entitled 'Transparency in Transition: West Bengal Panchayats Today' at 5th International Social Science and Humanities Congress during 07.09.2019 - 08.09. 2019 organised by the Jadavpur University.

Attended the Technical review Committee meeting of DST-IEST Solar PV Hub at IEST on 20.09.2019.

Presented paper (jointly) in the National Seminar on 'Regeneration of Rural India: Perspective, Issues and the Way Forward' organized by - Faculty Centre for 'Agriculture Rural and Tribal Development (ARTD)' Ramakrishna Mission Vivekananda Educational and Research Institute & Divyayan Krishi Vigyan Kendra on September 25.09.2019 -26.09. 2019 at the Ramakrishna Mission Ashrama, Morabadi, Ranchi.

Organised 'Swachchata Hi Seva' Day under Swachchata Aviyab Mission involving local community on 30.09.2019 at Visva-Bharati

Chaired a Session on 16.11.2019 in the International Conference on Road map for the Development of Rural Tourism in and around Birbhum held during November 16.11.2019 - 18.11.2019 organised by Visva-Bharati in collaboration with Ministry of Tourism, Govt. of India.

Participated and presented paper (jointly) in the International Conference of 9th Icon SWM-CE held at KIIT, Bhubaneswar, Odisha, during 27.11.2019 -30.11. 2019.

Attended the Annual progress review meeting of the International Partners of the International funded project 'BEFWAM: BioEnergy, Fertilizer and Clean Water from Invasive Macrophytes' during 10.12.2019 -13.12.2019 at Mumbai, Maharastra.

Delivered Valedictory address in the 'Two Day National Seminar On Social Work Intervention with Elderly: Community Engagement, Social Responsibility and Social Work Profession' organised by the Department of Social Work, Visva-Bharati, in collaboration with the National Institute of Social Defense, New Delhi and Anthropological Survey of India, New Delhi during 18.01.2020 -19.01.2020.

Acted as Resource Person and delivered lecture on 'Ethnography and PRA/ PLA Approach, in Qualitative Research' in a 10-day FDP on Research Methodology focusing primarily on Qualitative Aspects of Research held during 13.01.2020 - 22.01.2020, organised by the Dept. of Management & Business Administration, Aliah University, Kolkata.

Participated and presented paper (jointly) entitled "Community Managed Drinking Water Sources : Some Interesting Cases from North 24 Parganas and South 24 Pargans Districts in West Bengal" in the International Conference on Sustainable Water Resource management under Changed Climate during March 13.03.2020 -15.03.2020 organised by the Jadavpur University.

### **Sujit Kr. Paul**

Chaired a session on One day National Seminar on 'Prevention of violence against children: challenges and opportunities' organised by Department of Social Work, Visva-Bharati on 03.11.2019

Delivered Special Lecture in the Two week Refresher Course entitled 'Science and technology for social development' organised by the Faculty Development Centre, Tripura University on 20.09.2019.

Invited as Resource person in the "National Conference on Rural Management Education" organized by Mahatma Gandhi National Council of Rural Education, Ministry of Human Resource Development, GOI at Hyderabad, 20.07.2019 - 21.07.2019.

### **Subhrangsu Santra**

Delivered speech on 'Adoption of new technology by the male farmers group: A study on West Bengal Sunderban' in an International Seminar on Disaster Management and Community Resilience using Technological Intervention - 2019" organized by University of Dhaka, Monash University, Protic and OXFAM Bangladesh during 30.11.2019 - 01.12.2019.

Invited for Chair a Session on '7th ICSDAP Biennial Conference on Social Unrest, Peace and Development' at Islamic University Bangladesh, Kushtia-7003 during 14.09.2019 - 15.09.2019.

Invited for presenting a paper on 'Fairness of Fare Price Shop: Status of Implementation of NFSA in Andaman & Nicobar Islands' on 7th ICSDAP Biennial Conference on Social Unrest, Peace and Development" at Islamic University Bangladesh, Kushtia-7003 during 14.09.2019 -15.09.2019.

Presented a paper on Impact of MGNREGA in an International Seminar at Jharkhali, organised by PSB, Visva-Bharati and HAST & RD during 25.09.2019 - 26.09.2019

### **Publications**

#### **Amit Kr. Hazra**

Development of Forest Resources: A Boost for Tribal Economy in India, Amit Kr. Hazra

and A. Mondal, (Published by Akshar Prakashani, Kolkata), (2019), ISBN: 978-81-922916-1-1

**Sujit Kr. Paul**

Women and Development, Sujit Kr. Paul and Anindya Mitra, (Published by Empire Books International, New Delhi), (2019), ISBN 978-93-88249-74-4

Domestic Violence an Open Secret: Understanding the Problem from the Battle Field of Women's Life, Kallol Das and Sujit Kr. Paul, (Published by Empire Books International, New Delhi), (2019), p88. ISBN 978-93-88249-74-4.

Girls' Education through Kanyashree: A Strategy for Achieving Sustainable Development Goals, Anindya Mitra and Sujit Kr. Paul, (Published in the Edited Volume on Women and Development), (Publisher Empire Books International, New Delhi), (2019), p130. ISBN 978-93-88249-74-4.

Self Wellbeing: An Emerging Concept among Indian Women, Anindita Gupta and Sujit Kr. Paul, (Published in the Edited Volume on Women and Development), (Publisher Empire Books International, New Delhi), (2019), p151. ISBN 978-93-88249-74-4.

**Subhrangsu Santra**

Fairness of Fare Price Shop: Status of Implementation of NFSA in Andaman & Nicobar Islands, (ICSD & Islamic University of Bangladesh), (2019), International Conference proceedings

Phase - I; Quarter - III :Concurrent Evaluation of Implementation of NFSA-2013 in East Sikkim District of Sikkim, Ministry of Consumer Affairs, Food & Public Distribution, Department of Food and Public Distribution, Government of India, (2019), [https://nfsa.gov.in/portal/Concurrent\\_Evaluation](https://nfsa.gov.in/portal/Concurrent_Evaluation).

Phase - I; Quarter - IV :Concurrent Evaluation of Implementation of NFSA-2013 in West Sikkim District of Sikkim, Ministry of Consumer Affairs, Food & Public Distribution, Department of Food and Public Distribution, Government of India, [https://nfsa.gov.in/portal/Concurrent\\_Evaluation](https://nfsa.gov.in/portal/Concurrent_Evaluation)

Phase I; Quarter - II: Concurrent Evaluation of Implementation of NFSA-2013 in North & Middle Andaman District of Andaman & Nicobar Islands, Ministry of Consumer Affairs, Food & Public Distribution, Department of Food and Public Distribution, Government of India, (2019), [https://nfsa.gov.in/portal/Concurrent\\_Evaluation](https://nfsa.gov.in/portal/Concurrent_Evaluation)

Phase I; Quarter - III: Concurrent Evaluation of Implementation of NFSA-2013 in North & Middle Andaman District of Andaman & Nicobar Islands, Ministry of Consumer Affairs, Food & Public Distribution, Department of Food and Public Distribution, Government of India, (2019), [https://nfsa.gov.in/portal/Concurrent\\_Evaluation](https://nfsa.gov.in/portal/Concurrent_Evaluation)

Phase I; Quarter - IV: Concurrent Evaluation of Implementation of NFSA-2013 in South Andaman District of Andaman & Nicobar Islands, Ministry of Consumer Affairs, Food & Public Distribution, Department of Food and Public Distribution, Government of India, (2019), [https://nfsa.gov.in/portal/Concurrent\\_Evaluation](https://nfsa.gov.in/portal/Concurrent_Evaluation)

Phase -II; Quarter - I : Concurrent Evaluation of Implementation of NFSA-2013 in South Sikkim District of Sikkim, Ministry of Consumer Affairs, Food & Public Distribution, Department of Food and Public Distribution, Government of India, (2019), <https://nfsa.gov.in/portal/>

## Concurrent\_Evaluation

Phase -II; Quarter - II :Concurrent Evaluation of Implementation of NFSA-2013 in East Sikkim District of Sikkim, Ministry of Consumer Affairs, Food & Public Distribution, Department of Food and Public Distribution, Government of India, (2019), [https://nfsa.gov.in/portal/Concurrent\\_Evaluation](https://nfsa.gov.in/portal/Concurrent_Evaluation).

Phase -II; Quarter - III :Concurrent Evaluation of Implementation of NFSA-2013 in West Sikkim District of Sikkim, Ministry of Consumer Affairs, Food & Public Distribution, Department of Food and Public Distribution, Government of India, (2019), [https://nfsa.gov.in/portal/Concurrent\\_Evaluation](https://nfsa.gov.in/portal/Concurrent_Evaluation)

Classroom Environment and Quality Delivery in Primary Education: A Study in Muslim Majority Villages of West Bengal, S. Santra and Tanmay Pal, Think India Journal, 22(14), (December 2019), pp 49-61. ISSN: 0971-1260

Incidence of Crime and Parental Behaviour for character buildings among Santals: A Qualitative Judgment, S. Santra and Shyamal Samanta, International Journal of Peace, Education and Development, 7(1), (June 2019), pp01-07. ISSN: 2321-9807.

## Ongoing Research Projects

### Amit Kumar Hazra

Sl. No.	Title	Funding Agency	Grant	Grant/ Amount Mobilized (Rs. Lakh)	Whether Pi / Co-Pi
1	Development of Rural Primary Model Schools in Birbhum District: A Challenge of Providing Quality Education for All	SSA, Birbhum, Government of West Bengal	8.40 lakh	Fully mobilized	PI
2.	Socio-Economic Survey / Social Impact Assessment of 8 Nos. Of villages, falling within the Mine Boundary of Khagra Joydev Coal Mine, PS. Dubrajpur, District Birbhum which need to be rehabilitated and relocated.	On behalf of Damodar Valley Corp., Khagra Joydev Resources Pvt. Ltd, Kolkata, West Bengal.	14 Lakh	10.5 Lakhs	Co-PI
3	Development and Integration of Biomass and Concentrating Photovoltaic System for Rural and Urban Energy Bridge: BioCPV INDO-UK BURD Project	Dept. of Science and Technology, Govt. of India	2.70 Crore	Fully Mobilized	Co- PI
4	Development, Research and Pilot scale Installation of Solar-hydro Pumped Storage Scheme in a Remote Village of Assam to ensure 24x7 electricity"	Dept. of Science and Technology, Govt. of India.	2.69 Crore	Just Started	Co-PI

5	BioEnergy, Fertiliser and Clean Water from Invasive Aquatic Macrophytes (BEFWAM)	BBSRC, GCRF, U.K.	17 Crore	Just Started	Co-Pi
6	Development, Research and Pilot scale installation of Solar-hydro pumped storage scheme in a village of Manipur to ensure 24x7electricity	Department of Science and Technology (DST) & NBIRT	260.67	-	Co-Pi
7	Women's Family Based Entrepreneurship In West Bengal State University	USA Federal Government via of Nebraska, Claflin, USA	20.31		Programme Manager, (India Lead)

### Sujit Kumar Paul

1	Enhancement and Securing Women and Child Health through Capacity Building and Technological Advancement	Dept. Of Science and Technology (DST), Ministry of Science and Technology, Government of India	3 Years	34,33,240/-	PI
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### Subhrangshu Santra

Sl. No	Title	Funding Agency	Period	Grant/ Amount Mobilized (Rs. Lakh)	Whether Pi / Co-Pi
1	Nodal Officer 'Concurrent Evaluation of Implementation of NFSA-2013' for the State of Sikkim and UT of Andaman & Nicobar Islands	The Ministry of Consumer Affairs, Food & Public Distribution	Continuing Nov. 2017	2.64/Year	PI
2	Research Project on 'Higher Education Success and Social Mobility: A Study on Coaching Schemes for SC/CT/OBC and Minority in University and Colleges'	Centre for Policy Research in Higher education, NUEPA, New Delhi	Continuing September 2017	0.5	PI
3	Third Party Evaluation on 'Mission Nirmal Bangla: Malda Zilla Parishad'; Under Swachh Bharat Mission; Studied 92032 households for having and not having toilets.	Malda Zilla Parishad and District Administration, English Bazar, Malda, West Beng.	Continuing from July 2017	12.65	PI
4	Socio-Economic Survey / Social Impact Assessment of 8 Nos. Of villages, failing within the Mine Boundary of Khagra Joydev Coal Mine, PS. Dubrajpur, District Birbhum which need to be rehabilitated	On behalf of D.V.C, Khagra Joydev Resources Pvt. Ltd, Kolkata, West Bengal	Continuing from June 2017	10.5	PI

and relocated

5	Scope and Challenges of Primary Education among Muslim Community of West Bengal	University Grants Commissions, New Delhi	2 Years (2016 to May, 2019)	8.43	PI
6	Evaluation Study "Water for Food in the Coastal area of Sundarbans-India and Bangladesh"	Fondazione l'Albero Della Vita, India Country Office, 10D, Gobindopur Road, Kolkata - 45	6 Months (March -August 2019)	0.50	PI



## **Department of Rural Studies (Palli Charcha Kendra)**

The department started as an interdisciplinary centre of academics in the model of CSSS-Calcutta, Patuli (ICSSR institute in Kolkata) with faculties drawn from various sections of social science disciplines Economics/Anthropology/Statistics/Demography/Geography.

In 1977, Palli Charcha Kendra was established under **Vidya Bhavana** with MPhil course and a keen orientation strictly towards research work under stalwarts of social science like VK Roy Barman (ex-director Anthropological survey of India), Sunil Sengupta (co-author of many books with Jean Dreze, Harris Gazdar). Ashoke Rudra also taught M. Phil course here as guest professor along with the Ex-Vice Chancellor of Visva-Bharati-Prof Surajit Sinha. Subsequently, it was put under PSV and from 1991 it started two courses - MA (Rural Development) and MA/MSc-Anthropology and Ph.D courses in Social Science and Anthropology respectively and these carried on successfully.

Under statutory amendments from 31.01.2010, the Department of Anthropology was carved out from Department of PCK and the new Department of Anthropology was shifted to Vidya Bhavana. The Department of PCK with its courses in MA in Rural Development and PhD in Social Sciences remained under PSV.

Palli Charcha Kendra (Department of Rural Studies) is running in full swing an undergraduate course (Bachelor of Rural Studies, BRS) and a post graduate course in Rural Studies (Masters of Rural Studies, MRS) and continuing our PhD course in Social Science. The two courses BRS and MRS started in July, 2015 and the previous course -MA in Rural Development was phased out in 2016. The new courses of which undergraduate course was the new one was introduced following the guideline on streamlining of the nomenclature of various courses by MHRD and UGC as per gazette notification July 2014. This actually is the outcome of the department's vision and mission adopted in the year 2013-2014, which are indicated in the self-assessment report of NAAC-2015 and also in various annual reports submitted from 2013-14 academic year onward.

### **Main Features of the Course**

Our existing syllabus of is a well-blended mix in this direction. In 2017, we reformulated our syllabus adopted in 2015 again after threadbare discussion held in a workshop on syllabus held in March, 2017 with active participation of different Universities from Gujarat and other states, and management institutes like IRMA. In the workshop we adopted a uniform syllabus for Rural Studies all over India.

Our mission statement in 2013-2014 was- 'This subject Rural Studies itself is an emerging subject in the academic arena. We are giving our efforts to establish this as an academic discipline by developing a course structure and the syllabus which will produce students having a strong basic theoretical knowledge of related core subjects and they will also possess the power to apply that knowledge in the real world situations'. In fact, we are on the fifth year of our mission and goal adopted in 2013-14.

### **Future plans**

Department also envisages applying for SAP, which has already been passed in BOS. Department is planning to start some short term courses on Rural Studies to prepare Rural Development practitioners for the upcoming demand of employment in NGO's. Increase employability by linkages with Government and Non-governmental agencies. The department has very capable human resources to compete with any academic institution carrying out academic courses in Rural Studies.

### **Departmental Seminar (Speakers, Title of the Seminar, Date)**

**National and International standard Conference / Seminar / Workshop / Exhibition etc.**

#### **Sankar Majumder**

Invited to deliver a special lecture in the "International Seminar on Contemporary Issues of Development in the Backward Regions of India" organized by the Department of Economics, Vidyasagar University, W.B. 17.02.2020 -18.02.2020.

Chairperson in a Technical Session in the "International Conference on Rural Tourism in and around Santiniketan", organized by Visva-Bharati, 16.11.2019 -18.11.2019.

Invited as Resource person in the "National Conference on Rural Management Education" organized by Mahatma Gandhi National Council of Rural Education, Ministry of Human Resource Development, GOI at Hyderabad, 20.07.2019 - 21.07.2019.

#### **Dr. Rathindra Nath Pramanik**

Presented paper entitled 'Changing Employment Conditions in the Rural Labour Market during post-MGNREGA in West Bengal' in the 61st Annual Conference of the Indian Society of Labour Economics (ISLE), organized by the Centre for Development Economics and Innovation Studies (CDEIS), Punjab University, Patiala during 7.12.2019 - 9.12.2019.

### **Extension activities / NSS/ Cultural and other activities organized by the department and Participated by the Teacher and students of the Department**

As a part of our concurrent field work curriculum organized by the Department we have extended our knowledge based service in the village Binuria, in Sriniketan-Bolpur Block. The students were supervised by the teachers to conduct survey based activities in educational sphere.

### **Designing New Course/Curriculum or any other teaching innovations introduced by the Department**

#### **New Course**

The department has designed a new Masters in Rural Studies (MRS) CBCS curriculum which had been already implemented from July 2017

The Bachelor in Rural Studies (BRS) commensurate with new CBCS curriculum introduced by Visva-Bharati has also been introduced in 2017 July

## Department of Silpa-Sadana

Silpa-Sadana, a department under Palli Samgathana Vibhaga at Sriniketan is well acquainted for its Technical & Vocational training imparted in Cottage Industries & Craft since its inception in 1922. It also has a long tradition in enriching taste of the people through its artistic and innovative craft products. It had once taken leadership role in revitalizing the decadent rural industries and craft sector of India. Its present activities are:

### **Training Activities**

In the Training Section, systemic training in six different trades or disciplines is being imparted to about 192 regular students. Silpa-Sadana offers Ph. D. programme, 2-years Master of Design programme, 4-year Bachelor in Design, Bachelor of Vocation programme and 2-year Certificate Courses in (i) Artistic Leather Work (ii) Wood Work (iii) Pottery (iv) Handloom Weaving.

### **Production, Extension and Marketing**

This wing has been carrying out production of artistic craft articles in the above-mentioned trades with the help of teaching & technical staff of the department, village artisan, daily rated casual workers and students of training units of Silpa-Sadana. The products made are sold through its Sales Emporium at Sriniketan.

The departmental Workshops / Studios / Laboratories have been developed and upgraded by incorporating new equipments / tools / machineries purchased out of equipment grant.

### **Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.**

**Tanmoy Nandi** Roll No. WB0405203065 (NET)

**Priyak Dutta** Roll No. WB10504225 (NET)

### **Only National and International standard Conference / Seminar / Workshop / Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars**

#### **Vishal C. Bhand**

##### **International Conference**

Presented paper on 'Education, Craft and Society, Tagore's Sriniketan Experiment' at International Conference on Southeast Asian Folk Art and Crafts, University of Philippines during 21.11.2019 - 22.11.2019

#### **Ashish Ghosh**

##### **Exhibition(s)**

Cube Design Nature Sculpture for Geumgang Nature Art Biennale, Korea in July, 2019 organized by Korean Nature Artists' Association-YATOO | Geumgang Nature Art Biennale  
Cast iron sculpture 'The King' was exhibited at Swabhumi, Kolkata, The India Stirt during 21.09.2019 to 27.09.2019

##### **Workshop Conducted**

Organized Nature Art project at Santiniketan Kopai river "Gift to Kopai" on 20.02.2020

**Invited Lecture**

Delivered lecture on 'Craft and its modern implication' on Santiniketan Dooradarshan on 17.05.2019

Delivered lecture on 'Contemporary Art and Craft marketing and development' at Kolkata in collaboration with SIDBI and EDI on 13.03.2020.

**Padmini Balaram****Invited Lectures**

Ajanta: The Early Visual Reference of Indian Textiles, India Study Group, Tokyo, on 01.12.2019

Ancient Indian Textiles depicted in Ajanta Paintings, at Haeburu City Hall, on 16.11.2019.

**Workshops Conducted**

Macramé Art at MET School of Architecture and Interior Design, Nasik, during 20.01.2020 - 22.01.2020.

**Prabir Kumar Choudhuri****International Conference**

Paper entitled 'Application of Multi-Criteria Decision Making (MCDM) Technique in Social Survey: A New Approach' was presented in the 7th ICSDAP (International Consortium for Social Development, Asia-Pacific Branch) Biennial Conference held during 14.09.2019 - 15.09.2019 at the Islamic University Bangladesh, Kushtia, Bangladesh

**Session Chair at International Conference**

Chaired a session in the 7th ICSDAP (International Consortium for Social Development, Asia-Pacific Branch) Biennial Conference held during 14.09.2019 -15.09.2019 at the Islamic University Bangladesh, Kushtia.

**Sankar Roy Maulik****Resource Person**

Contributed as a Resource Person in TEQIP - III Sponsored 'Skill training workshop for handloom weavers working in cottage industries from Assam' organised by Department of Fibre & Textile Processing Technology, ICT, Mumbai during 09.09.2019 -11.09.2019 at Indian Institute of Handloom Technology, Guwahati.

**Sumitabha Pal****Workshop Participation**

Participated in the Painting and Sculpture Camp/Workshop at Singarene Collieries, Kothagudam, Telangana State in collaboration with Pegasus Art Gallery, Hyderabad with Title 'Black Diamond' during 29.08.2019 - 31.08.2019.

'Jnana' - The Path of Wisdom, a Wood Carving Camp/Workshop (Red Sandal Wood) on 'Functional Sculpture' at The Sree Vidyanikethan International School, Tirupati, Andhra Pradesh organised by Vishnu Manchu Art Foundation, Hyderabad, during 05.11.2019 - 25.11.2019

**Exhibition**

27<sup>th</sup> Foundation Exhibition by the member of 'The Frame' artist Group of Kolkata, with the title 'Voice of Equality' from 28.07.2019 - 02.08.2019 at 10, Ashoka Road, Alipore, Kolkata -700 027.

### **Mrinal Kanti Sarkar**

#### **Exhibition**

Exhibition for Rabindra Purashkar Selection Colours Land Art Academy Kolkata, ICCR during 06.02.2020 - 08.02.2020.

Celebrating Centenary of Kala-Bhavana, Nandan, Santiniketan, Kolkata during 17.10.2019 - 23.10.2019.

An International Painting Exhibition cum Workshop, Nandanik, Kolkata, during 24.02.2020 - 28.02.2020

### **Manoj Kumar Prajapati**

#### **Exhibition**

Exhibited Pottery and Ceramic Sculpture in a Group show 18th International Exhibition at Academy of Fine Arts, Kolkata during 17.10.2019 -23.10.2019.

Exhibited Ceramics Mural in a National Exhibition (Remembering Dinkar Kowshik) organised by Birla Academy of Art & Culture, Kolkata during 21.12.2019 - 23.12.2019.

#### **Extension activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department.**

Through the extension activities of Textile section of the department, handloom weavers of nearby villages have been given job of manufacturing fabrics out of our supplied dyed, bleached and grey yarns and as per our designs & specifications. The final products have been sold through the Sales Emporium of the Department and Pous Mela.

Similarly, rural craftsmen in the field of carpentry, pottery, artistic leather crafts, handmade paper making, batik etc have been provided employment through manufacturing of different respective crafts items either by providing raw materials or by directly purchasing the finished items as per the designs supplied by the departments.

#### **Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)**

### **Padmini Balaram**

Ishibashi Foundation/The Japan Foundation Fellowship for Research on Japanese Art, by Ishibashi Foundation/The Japan Foundation during October to December 2019-20

### **Mrinal Kanti Sarkar**

Rabindra Samman in Painting by The Colours Art Land, Kolkata on 26.02.2020

### **Ashish Ghosh**

Hafele Inspirational Icon Awards by Hafele India on 27.09.2019

Golden Artist award of the year 2020 by INFES 2020, Guwahati University during 22.02.2020 - 23.02.2020

### **Sankar Roy Maulik**

Fellow of Institution of Engineers (India), F-1256331 on 06.09.2019

### **Sukanya Chatterjee**

Life membership in the Indian Natural Fibre Society, Kolkata, on 21.12.2019

## CAS Promotion

Prof. Arabinda Mondal from Associate Professor to Professor on 15.03.2016

Dr. Prabir Kumar Choudhuri from Assistant Professor (Stage-III) to Associate Professor on 11.03.2015

Dr. Ashis Mitra from Assistant Professor (Stage-III) to Associate Professor on 17.03. 2015

Dr. Sankar Roy Maulik from Assistant Professor (Stage-III) to Associate Professor on 06.08.2016

## Publications within the year April 2019- March 2020

i) Text books ii) Other books iii) Monographs iv) Research Papers.(Author(s), title of Paper, year Journal volume No., Pages), v) Number of paper published in Peer/reviewed journals :

### To be entered as:

Individual Publication: a) Single author b) Joint authors (of the same Department)

### Sankar Roy Maulik

*Acacia auriculiformis* - a natural dye used for simultaneous coloration and functional finishing on textiles, Lina Chakraborty, Pintu Pandit and Sankar Roy Maulik, Journal of Cleaner Production, 245, 2020, 118921, pp 1-7, <http://doi.org/10.1016/j.jclepro.2019.118921>. ISSN: 0959-6526.

Synthesis and characterization of microcrystalline cellulose from rice husk, Kunal Bhandari, Sankar Roy Maulik and Arup R. Bhattacharyya, Journal of the Institution of Engineers (India): Series E, 4th March, 2020, <https://doi.org/10.1007/s40034-020-00160-7>. ISSN: 2250-2483

Sustaining the future of the traditionally woven textiles of Koraput, Amita Dutta, Deepali Singhee and Sankar Roy Maulik, Journal of the Textile Association, 80 (5), 2020, pp 353 - 362. ISSN: 0368-4636

Aal dyeing - past and present, Amita Dutta, Deepali Singhee and Sankar Roy Maulik, Journal of the Textile Association, 80(4), 2019 pp 253-260. ISSN: 0368-4636

Eco-friendly approaches to rejuvenate the Khadi udyog in Assam, Ashis N. Banerjee, Pintu Pandit and Sankar Roy Maulik, Indian Journal of Traditional Knowledge, 18(2), 2019, pp 346-350. ISSN: 0972-5938

Supply chain management in handloom sectors- a review, Sanjay Mukhopadhyay and Sankar Roy Maulik, Journal of the Textile Association, 79(5), 2019 pp 347-357. ISSN: 0368-4636

Value added fashion apparels made of jute, Priyanka Biswas, Lina Chakraborty, A.N. Roy and Sankar Roy Maulik, Asian Dyer, 16(1), 2019, pp 55-58. ISSN: 0972-9488

Application of Natural Dyes on Protein Fibres following Pad-Steam Methods. Sankar Roy Maulik, Journal of the Institution of Engineers (India): Series E. 100(1), 2019, <https://doi.org/10.1007/s40034--019-00141-5>. ISSN: 2250-2483

Creative digital printing on textiles, Sankar Roy Maulik, Kazi Md. Nasiruddin and Rafiya Tunnesa Begam, , Asian Dyer, 16(2), 2019, pp 54-57. ISSN: 0972-9488

Kunal Bhandari and Sankar Roy Maulik, Microcrystalline Cellulose - A Review, Journal of the Textile Association, 80(2), 2019, pp 106-114. ISSN: 0368-4636

### **Arabinda Mondal**

The effect of 1:1 boehmite and Y<sub>2</sub>O<sub>3</sub> mixed dopant on sintering characteristic, phase assemblage and microstructure of reaction sintered mullite compact derived from bauxite, fly and precipitated silica vis a vis individual one, Souvik Dey, Arabinda Mondal and Tapan Kumar Parya, Journal of Indian Chem. Soc, 96, November, 2019, pp 1371-1380. ISSN:0019-4522

### **Other relevant information:**

Following Value-added Courses for Imparting Transferable and Life skills offered by the department

"Katazome Workshop" (Traditional Japanese resist dyeing) at Silpa Sadana, Visva Bharati during 02.09.2019 -07.09.2019.

"Sola Craft Workshop" in collaboration with Consulate General of Germany, Kolkata at Silpa Sadana during 13.11.2019 -21.11.2019.

Short Term Course on "Print Design" during 16.08.2019 to 28.02.2020

Faculties participated in different Professional Development Programme during the period from 01.04.2019 - 31.03.2020.

### **Sukanya Chatterjee**

Participated in 21 days ICAR sponsored Winter School on 'Advances in product diversification and waste utilization of natural fibers' organized by ICAR- National Institute of Natural Fiber Engineering & Technology, Kolkata from 03.12.2019 - 23.12.2019

### **Sankar Roy Maulik**

Participated in 5-day Workshop on 'Interpretation of instrumental methods' organised by Department of Chemistry and International Research Centre, Sathyabama Institute of Science and Technology in association with CSIR-National Metallurgical Laboratory, Madras Centre during 06.01.2020 -10.01.2020

Participated in International Workshop on 'Tools and Techniques in air quality and health impacts assessment' organised by the Department of Environmental Studies, Visva-Bharati in association with University of Saskatchewan, Canada during 23.11.2019 - 25.11.2019.

### **Student's Achievements:**

Ms. Priyanka Roy Choudhury, Student of Bachelor in Design (Specialization in Textiles) Participated in collaborative performance: Asian Civilization Parade as part of the Conference on 'Dialogue of Asian Civilizations' Beijing Municipal Bureau of Culture and Tourism, China during 15.05.2019 - 22.05.2019.

Ms. Ahana Bhattacharya, Student of Bachelor in Design (Specialization in Textiles) Participated in Collaborative performance: Inter cultural experience programme, Yuman University, China during 25.06.2019 - 01.07.2019

Awarded Best Paper Award for the article entitled 'Phytochemical analysis of colourants extracted from natural resources' in TEXCON - 2020 - a National Conference on 'Contemporary issues in textile manufacturing process from fiber to garment' organised by Shri Vaishnav Institute of Textile Technology during 05.03.2020 -06.03.2020 at Indore, M.P.

Ms. Chaitali Debnath, Student of Bachelor in Design (Specialization in Textiles)

Awarded 3rd Prize in Poster Presentation at International Conference (ICTX 2020) on 'Innovative approaches for the development of sustainable textile products and processes' organised by The Institution of Engineers (India), West Bengal State Centre during 09.02.2020 - 10.02.2020

Priyak Dutta & Sri Priyabrata Malik, Student of Master of Design- Furniture & Interior and Master of Design- Ceramics & Glass

Participated in 'The Design Limitless 2018' an International Collaborative Workshop of IID and LB Italy on 29.05.2019.

Kunal Bhandari, Research Scholar

Awarded best oral presentation under Ph.D category for the paper entitled 'Microcrystalline Cellulose' in the 2nd National Conference TEXCON - 2019 supported by DRDO on the theme of 'Textile Industry and Research In 2030: Challenges and Opportunities' during 04.04.2019 - 05.04.2019 in SVVV Campus, Indore, M.P

### **Book Chapter/Conference Proceedings**

#### **Prabir Kumar Choudhuri**

Assessment of Suitability of Eri Silk Yarn for making Warm clothing using hybrid AHP-TOPSIS method of Multi Criteria Decision Making (MCDM) Technique, Prabir Kumar Choudhuri, Conference Proceedings of 2nd National Conference TEXCON- 2019 supported by DRDO on the theme of "Textile Industry and Research In 2030: Challenges and Opportunities" ISBN 978-93-5351-406-8, (2019), pp 01-12.

#### **Sankar Roy Maulik**

'Microcrystalline Cellulose', Kunal Bhandari and Sankar Roy Maulik, Conference Proceedings of 2nd National Conference TEXCON- 2019 supported by DRDO on the theme of "Textile Industry and Research In 2030: Challenges and Opportunities" ISBN 978-93-5351-406-8, (2019), pp 78-83.

'Traditional Crafts on Heritage Fabrics', Lina Chakraborty, Manisha Priya and Sankar Roy Maulik, Conference Proceedings of 2nd National Conference TEXCON- 2019 supported by DRDO on the theme of "Textile Industry and Research In 2030: Challenges and Opportunities" ISBN 978-93-5351-406-8, (2019), pp 27-33.

'Natural fibre resource management for sustainable development', Joint Editor, (Published by Creative Incorporate, Kolkata), (April, 2019), 978-81-94100-90-4.

#### **Padmini Balaram**

Silpa-Sadana: Re-positioning Artisans and Their Crafts within Human Development in "Life in Its Completeness" Rabindranath Tagore's legacy of thought and action on artisans and crafts, (Published by Chennai: Crafts Council of India), (2019), pp 30-36.



## Department of Social Work

The Department began its journey in 1951 at a crucial juncture of free India as the training institute for the staff of the newly created Block Office under the Ministry of Education offering Diploma in Rural Higher Education. The purpose was to create better awareness of the conditions of rural people, their management and governance. In 1963 the BSW (Hons.) course, the first in India was introduced and in 1977 the MSW course was introduced, the first in eastern India. The Department begins with two diploma courses from the 2015 Academic session that have been duly approved by the Academic Council of the university. The department also has the PhD Programme in Social Work with course work as per the UGC Guidelines 2009.

### Main Features of the Course:

The main ideology of the Department rests on Tagore's principles of Rural Reconstruction focusing on rural and ecological aspects. The main features are to provide basic instructions in Social Work, theoretical and practical with a sound foundation in general education and a good back-ground in other social sciences.

Have a direct bearing on the problems of social welfare and community development particularly those of rural reconstruction, tribal and backward class welfare and management and welfare of the working classes in the unorganized sector.

Equip students of social work to work in multivariate fields and issues for social welfare and rights based initiatives.

Combine the academic requirements of a degree programme with an intensive engagement in field work and research creating a blend of theory and practice.

Develop in students a) sense of passion for the discipline and profession, b) fellowship and universal brotherhood, c) understanding of human and social environment, d) skills of helping individuals, groups and communities, e) essential use of resources for social welfare, f) an enquiring mind free of prejudices, g) skills of leadership, h) empathy and understanding and an (i) overall holistic development to work fruitfully and contribute to the development sector.

### Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations

Sl. No	Name	Year	JRF/ NET
1	Santanu Kundu	2019-2020	JRF
2	Ushnish Guha	2019-2020	NET
3	Debayan Dutta	2019-2020	JRF
4	Anamika	2019-2020	NET
5	Ajanta Sarkar	2019-2020	NET
6	Kheyali Roy	2019-2020	NET
7	Sukanta Mete	2019-2020	NET
8	Abhijit Mukherjee	2019-2020	NET
9	Debdutta Das	2019-2020	NET
10	Tirtha Ghosh	2019-2020	JRF

11	Nazrul Islam	2019-2020	JRF
12	Baishakhi Mondal	2019-2020	NET
13	Shaurya Prakash	2019-2020	NET

**Departmental Seminar (Speakers, Title of the Seminar, Date):**

International Seminar on Dr Daniel Widmer, Médecine interne générale FMH Médecine psychosomatique et psychosociale ASMPP Chargé de cours Département de Médecine de Famille, Unisanté, UNIL Rédacteur francophone, Primary and Hospital Care Vice-président UEMO, Union Européenne de Médecine Générale/Médecine de Famille organized on 25.06.2019 at Department of Social Work, Visva-Bharati, West Bengal, India.

A lecture on 'The Many Shades of Professional Social Work Practice in the USA: How could this be applied to an Indian Context' by Dr Dhrubodhi Mukherjee, University of Texas, USA was organized on 18.07.2019 at Department of Social Work, Visva-Bharati, West Bengal, India.

One-Day National Workshop was organized on 'Corporate Social Responsibility (CSR): Present Status, Gaps and Way Forward through CSR Satyagraha' and lecture was delivered by Shri Sudhir Sinha (Professor & Head, Centre of Excellence for Responsible Business Management, IRMA, Anand) on 25.08.2019 at Department of Social Work, Visva-Bharati, West Bengal, India.

National Campaign as per the mandate of GOI on 'Plastic Waste Free (Swachhata Hi Seva)' took place from 24.09.2019 - 02.10.2020 with the active involvement of Department of Social Work, Visva-Bharati, West Bengal, India.

National Seminar was organized on 'Prevention of Violence against Children: Challenges and Opportunities' on 03.11.2019 at Department of Social Work, Visva-Bharati, West Bengal, India.

Organized a session on 'Mind Power' by Dhanpal Singh Jindani on 16.11.2019 at Department of Social Work, Visva-Bharati, West Bengal, India.

An exposure visit was organized for the Social Work students from Rani Channamma University P.G. Centre, 'Vachanasangama' Vijayapur (Karnataka) on 22.11.2019, at Department of Social Work, Visva-Bharati, West Bengal, India.

National Conference was organized on 'Social Work Interventions with Elderly: Community Engagement, Social Responsibility and Social Work Profession' during 18.01.2020 -19.01.2020 at Department of Social Work, Visva-Bharati, West Bengal, India.

Organized a One Day Workshop on 'Community-Led Approach to Child Protection' with CINI-Jharkhand on 10.01.2020 at Department of Social Work, Visva-Bharati, West Bengal, India.

**National and International standard Conference / Seminar / Workshop / Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars:**

**K. Bhattacharya**

Presented a paper in International Seminar entitled 'Concept of cultural heritage management and its significance across the global ethnic groups' organized by Asiatic Society, Kolkata during 16.02.2020 -17.02.2020.

**P. K. Ghosh**

Presented a paper at the 3 RIA International Colloquium held in Lausanne, Switzerland from 04.11.2019 - 06.11.2019 on Social Entrepreneurship for Sustainable Livelihood in Rural India- my Experiment on Tagore's philosophy and approaches to social development.

Presented a Paper on 'Social Entrepreneurship -a case study' at the 7th ICSDAP Biennial Conference on 'Social Unrest, Peace and Development' held at Islamic University, Kushtia-7003, Bangladesh on 14.09.2019 -15.09.2019.

**A. K. Sarkar**

Presented paper entitled 'Health Seeking Behavior of Poor SC/S Women with Disabilities: A Case Study of Birbhum, West Bengal' in the 21st Biennial International Conference of ICSD hosted at the Department of Social Development and Welfare, University of Gadjah Mada, Yogyakarta, Indonesia during 15.07.2019 -19.07.2019.

Presented paper entitled 'Barriers of Access to Education among the PVTGs: An Exploratory Study of Birhor Adolescent Girls in West Bengal, India' in the 21st Biennial International Conference of ICSD hosted at the Department of Social Development and Welfare, University of Gadjah Mada, Yogyakarta, Indonesia during 15.07.2019 -19.07.2019.

Presented paper entitled "WASH initiatives in Ekalavya Model Residential Schools: A Case Study of Birbhum District, West Bengal" in the 7th ICSDAP biennial International Conference on 'Social Unrest, Peace and Development' hosted at the Department of Social Welfare, Islamic University Bangladesh, Kushtia in collaboration with Singapore University of Social Sciences and Thammasat University, Thailand during 14.09.2019 -15.09.2019.

**Debotosh Sinha**

Chaired a session in National Conference on Social Work Interventions with Elderly: Community Engagement, Social responsibility and social Work Profession on 18.01.2020 -19.01.2020 at Department of Social Work, Visva-Bharati, West Bengal, India.

Chaired a session in National Seminar on Prevention of Violence against Children: Challenges and Opportunities on 03.11.2019 at Department of Social Work, Visva-Bharati, West Bengal, India.

**Paramita Roy**

Presented a paper titled 'Survivors of Intimate Partner Violence (IPV): An Analysis of Lived Experiences' in National Conference on Women's Issues and Everyday Life: Power, Resistance and Representation organized by St. Xaviers College (Autonomous), Kolkata, during 10.01.2020 - 11.01.2020.

Presented a paper titled 'Challenges to Food Security in the Geriatric Population' in National Seminar on Social Work Intervention with Elderly: Community Engagement, Social Responsibility

and Social Work Profession organized by Department of Social Work, Visva-Bharati, NISD, New Delhi, ASI, Kolkata, during 18.01.2020 - 19.01.2020.

### **Subhashree Sanyal**

Presented a paper on 'Assessment of Various Vulnerabilities of the Slums of Kolkata, West Bengal, India. Children Perspective', S. Sanyal and S. Chatterjee, at 7th Indian Social Work Congress from 11.11.2019 -13.11. 2019.

Presented a paper on 'Study of the Vulnerabilities of Urban Slum Children of Kolkata, West Bengal, India. Challenges and Factors',S. Sanyal and S. Chatterjee, at the National Seminar on Prevention of Violence against Children: Challenges and Opportunities on 03.11.2019.

Presented a paper on 'Looking Back and Looking Ahead: Millennium Development Goals to Sustainable Development Goals: The Journey', S. Sanyal and S. Chatterjee, at 7th Indian Social Work Congress from 11.11.2019-13.11.2019 by NAPSWI and Department of Social Work, Lucknow University.

Chaired a session on theme 'Sustainability' at 7th Indian Social Work Congress from 11.11.2019 -13.11.2019 organised by NAPSWI and Department of Social Work, Lucknow University.

Chaired session at the International Conference on Roadmap for Development of Rural Tourism in and around Birbhum District, West Bengal held from 16.11.2019 to 18.11 2019 organised by Visva-Bharati, Ministry of Tourism, Government of India and Tourism Department Government of West Bengal

### **Sukumar Pal**

Presented a paper entitled 'Dr. B. R. Ambedkar: A Social Reformer of Modern India', Sukumar Pal and Prajnalankar Bhikku in a National Symposium on 'Contribution of Dr. B. R. Ambedkar to Modern India' held during 01.02.2020 - 02.02.2020 organized jointly by Department of Marathi, Visva-Bharati and SC, ST, OBC Employees' Welfare Association of Visva-Bharati in association with Dr. Ambedkar Foundation, Ministry of Social Justice & Empowerment, Govt. of India at Lipika, Visva-Bharati.

Presented a paper entitled 'Some Restrictive Aspects of Reservation Policy in India', Piya Sarkar and Sukumar Pal, in the National Symposium on 'Contribution of Dr. B. R. Ambedkar to Modern India' held on 01.02.2020 - 02.02.2020 organized jointly by Department of Marathi, Visva-Bharati and SC, ST, OBC Employees' Welfare Association of Visva-Bharati in association with Dr. Ambedkar Foundation, Ministry of Social Justice & Empowerment, Govt. of India at Lipika, Visva-Bharati.

Presented a paper entitled 'Dr. B. R. Ambedkar, Women Empowerment and Land Rights', Sudipta Biswas and Sukumar Pal, in the National Symposium on 'Contribution of Dr. B. R. Ambedkar to Modern India' held on 01.02.2020 - 02.02.2020 organized jointly by Department of Marathi, Visva-Bharati and SC, ST, OBC Employees' Welfare Association of Visva-Bharati in association with Dr. Ambedkar Foundation, Ministry of Social Justice & Empowerment, Govt. of India at Lipika, Visva-Bharati.

Attended and presented a paper entitled 'Child Sexual Abuse in India and POCSO Act', Sukumar Pal, Bedita Gupta and Shriza Mitra Thakur, in the National Seminar on 'Prevention of Violence against Children: Challenges and Opportunities" organized by Department of Social

Work, Visva-Bharati on 03.11.2019.

Attended and presented a paper entitled 'Violation of Rights against PVTG Children: A Case of Lodha Communities of West-Bengal', Sudipta Biswas and Sukumar Pal, in the National Seminar on 'Prevention of Violence against Children: Challenges and Opportunities' organized by Department of Social Work, Visva-Bharati on 03.11.2019.

Attended and presented a paper entitled 'Violence against Children in Tea Gardens of North Bengal: Its Vulnerability and Challenges', Piya Sarkar and Sukumar Pal in the National Seminar on 'Prevention of Violence against Children: Challenges and Opportunities', Organized by Department of Social Work, Visva-Bharati on 03.11.2019.

Acted as Chairman and organized a National Symposium on 'Contribution of Dr. B. R. Ambedkar to Modern India' held on 01.02.2020 - 02.02.2020 organized jointly by Department of Marathi, Visva-Bharati and SC, ST, OBC Employees' Welfare Association of Visva-Bharati in association with Dr. Ambedkar Foundation, Ministry of Social Justice & Empowerment, Govt. of India at Lipika, Visva-Bharati.

Joint interaction in Doordarshan on "Siksha O Samaj: Role of Ambedkar" on 16.03.2020. Youtube link, <https://www.youtube.com/watch?v=yUiIH-VZ928&feature=youtu.be>

### **Neelmani Jaysawal**

Presented a paper titled 'Dr. B.R. Ambedkar as a Social Reformer' in the National Conference on 'Contribution of Dr. B.R. Ambedkar to Modern India', jointly organized by Department of Marathi, Visva-Bharati and SC, ST, OBC Employees' Welfare Association of Visva-Bharati in association with Dr. Ambedkar Foundation, Ministry of Social Justice & Empowerment, Govt. of India between 01.02.2020 -02.02. 2020.

Presented a Paper titled 'Social Work Intervention in Child Welfare: A Case Study of NGOs' in the National Seminar on Prevention of Violence against Children: Challenges and Opportunities, organized by Department of Social Work, Visva-Bharati on 03.11.2019.

### **Sudeshna Saha**

Presented Paper titled Tourism as a Tool for Sustainable Community Development in the International Conference on Road Map for the Development of Tourism in and around Birbhum" on 16.11.2019 - 18.11.2019 at Visva- Bharati, Santiniketan, West Bengal, India.

Presented a Paper titled Save the Future of our World!! Corporate Intervention in Eradicating Child Labour: Some Best Practices, in the one-day National Seminar on Prevention of Violence against Children: Challenges and Opportunities organized by Department of Social Work, Visva-Bharati, Sriniketan on 03.11.2019.

### **Sasmita Patel**

Presented Paper titled 'Community Home Stay Tourism as a Tool for Sustainable Community Development: A Santiniketan Perspective' in the International Conference on Road Map for the Development of Tourism in and around Birbhum" on 16.11.2019 -18.11.2019 at Visva-Bharati, Santiniketan, West Bengal, India.

Presented a Paper titled 'Problems of Elderly People: A Reflection from the Marginalizes Population of South Odisha' in a two-days National Conference on Dr. B. R. Ambedkar to Modern India during 01.02.2020 - 02.02.2020 jointly organized by Department of Marathi,

Visva- Bharati & SC, ST and OBC Employee Welfare Association in association with Min. of SJ&E, Govt. of India.

**Moumita Laha**

Co-chaired a technical session in a National Seminar on 'Social Work Intervention with Elderly: Community Engagement, Social Responsibility and Social Work Intervention' during 18.01.2020 - 19.01.2020 organized by Department of Social Work, Visva-Bharati, Sriniketan.

**Manoj Kumar Biswas (Field Organizer)**

Presented Paper titled 'Effects of Fluoride Contamination on Human life, Indian scenario' in the 7th ICSDAP Biennial International Conference on Social Unrest, Peace and Development at Islamic University, Kusthia, Bangladesh during 27.04. 2019 - 28.04. 2019.

Presented a Paper titled 'Children Living under the Shadow of Fluoride Contamination in India' in the one-day National Seminar on Prevention of Violence against Children: Challenges and Opportunities organized by Department of Social Work, Visva-Bharati, Sriniketan on 03.11.2019.

**Ongoing Research Projects in the Department:**

**P. K. Ghosh**

Name of the Project: 'Child Labour Survey in the District of Birbhum' SL.169, PI - P. K. Ghosh (Q20123)

Sponsoring Agencies: Assistant Labour Commissioner, Government of West Bengal

Amount Sanctioned: Rs. 4 Lakhs

Name of the Project: 'Qualitative study on the major issues behind early marriage'.

Sponsoring Agencies: Youth Invest Foundation, Kolkata and ITC

Amount Sanctioned: 1.55 Lakhs

**Extension activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department:**

As a part of our concurrent field work curriculum organized by the Department we have extended our interventions in a number of villages in Sriniketan -Bolpur and Illambazar Blocks. The students were supervised by the teachers to conduct activities at the community level in the following areas:

Organized a workshop on 'Identification and Prevention of Arsenic and Fluoride Contamination in Selected Blocks of Birbhum'. It was organized by the Department of Social Work, Visva-Bharati; Santi Trust; Public Health Engineering Department, GOI; Block Development Office, Government of West Bengal; and NABARD during 01.03.2020 - 02.03.2020.

Organized an awareness program at Bahadurpur, on Health & Hygiene by Department of Social Work, Visva-Bharati on 18.11.2019.

'Save Water Campaign' took place at Kamarpara village. It was organized by the students of Social Work Department as a part of their field work (Community Organization Program) under the supervision of the teachers and field work supervisors of the department on 22.11.2019.

## **Publications within the year April 2019- March 2020:**

### **Asok Kumar Sarkar**

Social Support System in Overcoming Social Barriers: A Case Study of Adolescent Girls in Birbhum, Asok Kumar Sarkar and Madhura Chakraborty, *International Journal of Social Sciences*, 8 (4), (2019), pp 01-06, ISSN:2249-6637; E-ISSN: 2321-5771, DOI: 10.30954/2249-6637.04.2020.5

Contemporary Field-level Needs and Essential Strategies in Social Work Practicum, Asok Kumar Sarkar and Indranil Sarkar, in B. Dash and S. Roy's (Ed.), *Field Work Training in Social Work*, Routledge: New York, (2020), pp 123-137, ISBN 978-0-367-42413-8 <https://www.taylorfrancis.com/books/e/9780429297120>

Some Determinants of Infant Mortality Rate in SAARC Countries: an Empirical Assessment through Panel Data Analysis, Ujjal Protim Dutta, Hemanta Gupta, Asok Kumar Sarkar and P. P. Sengupta, *Child Indicators Research*, (19 May 2020), pp 01-24, (Springer Journal) ISSN: 1874-897X (Print) 1874-8988 (Online)<https://link.springer.com/article/10.1007/s12187-020-09734-8>  
'7th ICSDAP Conference in Bangladesh: Some Experiences and Reflections for the Way Forward', Asok Kumar Sarkar, M. Pawar and Mamunur Rahaman, *The International Journal of Community and Social Development (SAGE Journal)*, 2(2), (2020), pp 273 -282. ISSN:2516-6026; Online ISSN: 2516-6034. <https://journals.sagepub.com/doi/pdf/10.1177/2516602620938351>

### **Subhashree Sanyal**

Vulnerabilities and Challenges associated with children in Urban Slums: A Case Study of Kolkata, West Bengal, S Sanyal and S. Chatterjee, *Journal of Emerging Technologies and Innovative Research*, 7(3), (2020), pp 733-738, ISSN 2349-5162.

### **Sukumar Pal**

Poverty and Sustainable Development in Aila Hit Areas: A Case Study in Sundarbans in West Bengal, Sukumar Pal, Bholanath Mondal, Dednarayan Bej and Sudipta Biswas, In the *Proceedings of International Conference on Livelihood Promotion, Bio-diversity Conservation and Social Security in Indian Sundarbans*, (Ed. Bholanath Mondal, Palash Mondal and Indrabrata Bhattacharya), New Delhi Publishers, New Delhi, 1st Edition, (2019), pp 183-197. ISBN: 978-93-88879-26-2.

### **Neelmani Jaysawal & Dr Sudeshna Saha**

Challenges and Dilemmas of Civil Society movements in India, Neelmani Jaysawal and Sudeshna Saha, *Asian Social Work and Policy Review*, 13(2), (2019), pp 169-178, Wiley publications, ISSN: 1753-1403, Online ISSN: 1753-1411, DOI: <http://dx.doi.org/10.1111/aswp.12167>

### **Neelmani Jaysawal**

Women's Empowerment and the SDG Gender Equality Goal (SDG-5): An Indian Perspective. Neelmani Jaysawal, *The Blue Planet-Magazine on Sustainability*, 2(1), (2020), pp 40-42

### **Sasmita Patel**

Where the mind is without fear and the head is held high ...": The Challenge posed by Rabindranath Tagore for Social Work Professionals, Rashmita Ray, Asutosh Pradhan and Sasmita Patel, *Journal of Social Work and Social Development*, 10(2), (2019), pp 113-127, ISSN: 2229-6468.

**Vision Plan:  
Phase 1**

Requirements	General Requirement	Specific Requirement
<p>DSA Phase 1- Theme: Rural Reconstruction/ Sriniketan Experiment Adoption of one model community for the practice of Rural Reconstruction through social work Designing of new curriculum for the core course and centres Affiliation to various International Social Work Bodies Field Work Laboratory Subscription of international journals and national journals of social work</p>	<p>Fund allocation for community adoption programme  Budget allocation for membership affiliations Budget for set up of field work lab and equipments</p>	<p>Funding for field work lab</p>

**Phase 2**

<p>DSA Phase 2- Collaborations with various social work institutes for teacher and student exchange Establishment of School of Social Work with core departments and centres. New building for Social Work centres- Disability Studies and Social Exclusion</p>	<p>Funding assistance for exchange programmes Building fund for establishing of school of social work and centres</p>	<p>Fund for establishment and allocation for school of social sciences</p>
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**Phase 3**

<p>Centre for Advanced Studies in Social Work</p>	<p>Funding assistance, infrastructure and development from University, UGC and MHRD</p>	
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**Other relevant information**

The Department of Social Work has concurrent Field Work and as a part of the Field Work, students of undergraduate and postgraduate visit nearby villages and social organisations regularly. They not only learn but help communities for social development. Students participate in rural camp and urban camp once in a year in order to realise real life situation of the marginalised people. Recently students have assessed the ground water condition of the surrounding villages in collaboration with a Santiniketan based NGO named Santi Trust. In addition, students are also involved in creating awareness to reduce plastic usages and sensitise villagers on various social issues for improved quality of life.

## **PALLI SIKSHA BHAVANA** **(Institute of Agriculture)**

Palli Siksha Bhavana (Institute of Agriculture) imparts premier education in different areas of Agricultural Sciences viz., B.Sc. (Hons) Agriculture, M.Sc. (Ag.) in different specialized fields of Agriculture, M.Sc. in Poultry Science and Ph.D. Students from different states of India and also students from foreign countries have shown interest to pursue their study in agriculture from this leading institute. During this year (2019-2020), 66 (60 Indian and 6 Foreign) number of students have been admitted in B.Sc (Hons) in Agriculture, 75 M.Sc(Ag) students, and 36 Ph.D students have been admitted in different academic programmes. In the year under review 46 students of B.Sc (Hons) Ag, 61 students of M.Sc(Ag) and 29 students of Ph.D have received their respective degrees. Among the admitted students, besides the students from West Bengal, we have students from Sikkim, Tripura, Manipur, Maharastra, Kerala, Odisha, Bihar, Telangana, Andhra Pradesh, Jharkhand, Chhattisgarh, Uttar Pradesh, Tamil Nadu and from foreign countries like Bangladesh and Nepal. All the courses run by the Bhavana follow the guidelines of both UGC and ICAR and have been accredited by ICAR. The ICAR, through their placement programme, sends students of different courses of studies. During the last academic year, the performance of faculty members and students were very much encouraging. Presently this institute comprises of 12 departments, for which the separate reports, one from each department, will come one after another.

During this year (2019-2020), it is worth mentioning that 5 students of this Institute have been qualified in Junior Research Fellowship through all India competitive examination conducted by Indian Council of Agricultural Research and 13 students awarded NET (ICAR). They have been placed in reputed Indian Universities and Institutes for their post graduate studies like Indian Agricultural Statistics Research Institute (New Delhi), GBPANT University of Agriculture and Technology (Pant Nagar), Banaras Hindu University (Varanasi), IGKV (Raipur), NDRI (Karnal) etc. A number of students have been appointed in various Public and Private sectors though campus interview and competitive examinations. Besides twelve academic departments, the institute has followings units to support teaching, research and extension activities.

### **Agricultural Farm**

Agricultural Farm of Palli Siksha Bhavana comprises of an area of 47.0 ha with an irrigated area of 12.0 ha, net cultivable area of 12.0 ha and orchard area 1.0 ha.

This Agricultural farm serve as a field laboratory of UG, PG and Ph. D students as well as for faculties involved in field research activities. Field based practical for UG students and different experiment related to the thesis work of PG and Ph.D students are under conducted in the Agriculture Farm in different seasons. Following table indicate the number of field trials and experiments conducted during this year (2019-20).

## **Trial / Experiment conducted during 2019-20**

<b>Kharif</b>	<b>Rabi</b>	<b>Pre-Kharif</b>
M.Sc 09	M.Sc 08	M.Sc 06
Ph. D 05	Ph.D 13	Ph.D 04
Project 06	Project 08	Project 08
Total 20	Total 29	Total 18

**Grand Total : 67**

### **PSB Library**

This Library was established in 1957 and it is the largest sectional library of Visva-Bharati which serves twelve departments of Institute of Agriculture and also the department of Social Work and Rural Development in particular and other departments of different Bhavanas within Visva-Bharati, in general with its open access library system. Library provides documentary resources in the form of books and journals, grey literature as well as e-recourses. Library provides intranet and internet facility for browsing and retrieval of documents with its Wi-Fi connectivity. In the year under review library procured 40 journals and 1568 numbers of books. The library possesses 52847 numbers of books and 5554 number of bound periodicals at its collection. In the year under review library rendered different kinds of services to 24974 numbers of users.

### **Soil Testing Laboratory**

The Soil Testing Laboratory of Palli Siksha Bhavana deals mainly with the assessment of soil fertility status of Agricultural soils of this region. It provides guidelines to the stakeholders for nutrient application to the crops. The Laboratory is now facing an acute shortage of manpower.

The analysis of soil under centrally sponsored 'Soil Health Card Scheme' is going on smoothly. Under this SHG scheme of cycle as on 09.09.2020, 1,06,176 soil samples from 19 Blocks of Birbhum District have been analysed and 'Soil Health Cards' have been generated.

### **Rathindra Krishi Vigyan Kendra (RKVK)**

The Rathindra Krishi Vigyan Kendra has organized 69 numbers of information, knowledge and skill development Training Courses involving 2208 numbers of practising farmers and farm women (as Trainees); 07 numbers of long duration knowledge, skill and entrepreneurship development training programmes benefitting 146 numbers of un-employed rural youths of Birbhum District and also 45 numbers of in-service refresher Training courses for 1710 numbers of Grassroot Level Extension functionaries of Birbhum District. The Kendra has also conducted 8 numbers of On Farm Trials (OFTs) on various technologies, products and services coming out from the National Agricultural Research System (NARS) on Agriculture and related Sectors for their location specific assessment and validation, involving 58 locations and 480 partner farmers. The Kendra also organized 19 Front Line Demonstrations (FLD) on already assessed and successful technologies, products and services related with Agriculture and Allied Sector involving 1512 numbers of farmers in 287.85 hectares of area for proper dissemination of the technologies among the farming community. KVK has also organized 360 numbers of

extension programmes like Advisory Services, Diagnostic visits of Farmers to Kendra, Field Days, Group discussions, Scientists' visit to farmers' fields, Plant/animal health camps, Farm Science Club Meetings, Ex-trainees Sammelan etc. involving 4590 numbers of farmers, farm women and rural youths and 367 numbers of extension personnel. The Scientists of the Kendra have performed as Subject Experts in 16 Radio Broadcasts and 09 Television telecasts on various topics useful for the farming community in both recorded and live phone-in formats. The Scientists of the Kendra have also published 6 Research Papers in various National and International peer reviewed Journals about their Research Finding and they also published 6 popular extension literatures for the benefit of local farming community. During this period RKVK has submitted QRT report for the period of last eight years activity. One KVK trainee farmer received 2nd best award in the state innovator meet at Kalimpong.

## Department of Agricultural Economics

Department of Agricultural Economics, PalliSiksha Bhavana, Visva-Bharati has been functioning as an independent department since 2<sup>nd</sup> June, 2019 by restructuring the erstwhile Department of Agricultural Economics and Agricultural Statistics. The discipline of Agricultural Economics was a part of the erstwhile composite Department of Agricultural Economics and Agricultural Statistics for the period from September, 2017 to May, 2019 and Department of Agricultural Extension, Agricultural Economics and Agricultural Statistics (before September, 2017). The Department is engaged in applied, policy, and problem-solving research in agriculture and allied sectors covering various thematic areas like market, trade, finance, agri-business, livelihood, natural resource, institutions, growth and development. Based on the relative importance of the issues in agriculture, the Department has been engaged in continuously shifting its focus on these issues. Different research projects were carried out, covering areas like production economics, agricultural marketing, agricultural finance, agricultural growth and development. The Department has a mandate to carryout teaching and research in socio-economic issues concerning agriculture and rural development. Accordingly, the Department has tailored teaching and research programmes to meet the challenges of post-economic liberalization era. The Department offers several compulsory core courses as well as advance elective and minor courses both at Undergraduate and Postgraduate levels. This Department has been playing very vital role in enlightening the policy makers in the emerging areas of international trade and evaluation of public policies and programmes in agricultural sector. The Department of Agricultural Economics has five sanctioned teaching posts with multi-fields of specialization. The department is also having a Computer Laboratory.

### Departmental Seminars:

Speakers	Title of the Seminar	Date
Dr. Sekhar Sain, BDO, Bolpur-Sriniketan Block		07/03/2020
Prof. Debashis Sarkar, PSB Prof. Bidhan Chandra Roy, PSB Dr. Swapan Maiti, PSB Dr. Bholanath Mondal, PSB Dr. Bitan Mondal, PSB Mr. Suman Kalyan Mondal, IMSE	State Level Meet on Strengthening Organic Farming among Small Farmers Entrepreneurs Organized by IMSE in Collaboration with SEWA	
Dr. Sekhar Sain, BDO, Bolpur-Sriniketan Block Prof. Debashis Sarkar, PSB Prof. Bidhan Chandra Roy, PSB Dr. Bitan Mondal, PSB	Block Placement Programme	20/02/2020

**Conference/Seminar/Workshop/ Exhibition Participated:****Bidhan Chandra Roy**

01.08.2019-02.08.2019. National level 'Project Initiation Workshop on Village Survey Study' at AERU, IEG, Delhi.

29.09.2019-30.09.2019. National level Methodology Workshop on Village Survey Study at AERC, Visva-Bharati, Santiniketan.

17.10.2019-19.10.2019. National Workshop on Ministry Sponsored Studies at ADRTC, ISEC, Bangalore

22.01.2020. Review of Agro-Economic Research Centres at ICAR-NIAP, New Delhi

**Bitan Mondal**

29.09.2019-30.09.2019. National level Methodology Workshop on Village Survey Study at AERC, Visva-Bharati, Santiniketan.

20.12.2019-22.12.2019. National Workshop on "Politics with Big Data: Social Science with R" at Presidency University, Kolkata.

16.01.2020-05.02.2020. "Winter School Training Programme" on "Data Analysis in Agriculture Using Statistical Software Packages" at Division of Statistical Genetics, ICAR-IASRI, New Delhi

**Ongoing Research Projects:**

Sl.	Name of the Project Co-ordinator/ team Leaders	Name of the Project	Sponsoring Agency	Amount Sanctioned (Rs.)
1.	Prof. B. C. Roy	Impact evaluation study on Per Drop More Crop component of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) in Sikkim		
2.	Prof. B. C. Roy and Dr. B. Mondal	Assessment of feed and fodder in W.B	Ministry of Agriculture and Farmers' Welfare, Govt. of India.	170.00 lakh
3.	Prof. B. C. Roy	Village Survey Study in West Bengal		
4.	Prof. B. C. Roy	Assessment of ratio of different products/forms of Spices being marketed: Study based on Ginger and Turmeric in Sikkim		

5. Prof. B. C. Roy Study on Functioning of Direct Benefit Transfer (DBT) in Fertilizer at Retail Points
6. Prof. B. C. Roy Agricultural Performance Indicators for NITI Ayog

**Extension activities/NSS/Cultural and other activities:**

The department is involved in transfer of technologies (TOT) from its inception. Apart from these, NSS activities are organized by NSS unit of the Bhavana and participated by all the staff of the department. Besides organizing departmental seminar, faculty members of the department regularly took part in district and state level expert group meetings, and delivered invited lecture organised by the Department of Agriculture, Government of West Bengal. The faculty members of the Department were also regularly participated in various outreach and extension programmes in All India Radio (FM 103.1) and Doordarshan Broadcasting Programme of the following:

**Bidhan Chandra Roy**

25.06.2019. Jute Economy in India- Issues & Challenges organised by State Level Officers Training under National Food Security Mission, West Bengal at office of the SDA, Bolpur.

26.08.2019. Expert in television programme on "PM-KMY' at Krishi Darshan, DD, Santiniketan.

16.09.2019. Expert in live-phone in programme on "PM-KMY' at Kisan Vani, Prasar Bharati, All India Radio, Santiniketan.

24.09.2019. Strategies for potato export with special reference to Potato Export Zones in West Bengal at State level training meeting, Bolpur.

**Academic distinctions:**

**Debashis Sarkar**

President, Agricultural Economics and Social Science Research Association, New Delhi

Editor-in-Chief, Economic Affairs, New Delhi

Editor-in-Chief, International Journal of Social Science, New Delhi

Associate Editor, SJAJS, Assam

Editorial Board Member and Reviewer, Journal of Social Science Studies, USA

Member, Natural Disaster Management Cell, Visva-Bharati

Advisor, Institute for Motivating Self Employment (IMSE), Kolkata

Life Member, Indian Society of Agricultural Economics, Mumbai

Life Member, Agricultural Economics Research Association, New Delhi

**Bidhan Chandra Roy**

Hony. Director, Agro-Economic Research Centre, Visva-Bharati (MoA&FW, GoI)

Editor, International Journal of Social Science, New Delhi

Member, Editorial Board, Amity Journal of Agri-Business Management

Editor, International Journal of Social Science, New Delhi

Vice President, Downtroddens Development Association (Regn No. S/2L/21656 of 2014-2015)

Referee for 8 Journals (3 International & 5 National)

Life Member, Indian Society of Agricultural Economics, Mumbai

Life Member, Agricultural Economics Research Association, New Delhi

**Bitan Mondal**

Editor, Economic Affairs, New Delhi

Member, Indian Society of Agricultural Economics, Mumbai

Member, Agricultural Economics Research Association, New Delhi

Life Member and Member of the Editorial Board, International Journal of Bio-resource and Stress Management

Life member of Society of Bio-resource, Environment and Agricultural Research

**Publications:**

**Research Papers:**

**Debashis Sarkar**

"Constraints of Bio-Based Farming System: A Study in Hooghly and South 24 Parganas Districts of South West Bengal". Giri, D.; Roy, B.C.; Sarkar, D. and Das, S. (2020)., Innovative Farming, 5(2), 103-109. ISSN: 2455-6521.

"Influence of Forest Devolution Policy on the Tribal Population of Chhattisgarh due to Implementation of Forest Rights Act". Nandi, D.; Sarkar, D. and Mondal, B. (2019)., NIRD, Hyderabad, [http://nirdpr.org.in/nird\\_docs/srsc/srsc230217-11.pdf](http://nirdpr.org.in/nird_docs/srsc/srsc230217-11.pdf).

**Bidhan Chandra Roy**

"Performance Evaluation of Pradhan Mantri FasalBima Yojana (PMFBY) in West Bengal". Roy, B. C.; Mondal, B.; Ojha, S.; Biswas, R. K. and Datta, V. (2020). Agricultural Situation in India, Government of India, January 2020, Vol. LXXVI, No.10, pp-47-49 (ISSN: 0002-1679).

"Constraints of Bio-Based Farming System: A Study in Hooghly and South 24 Parganas Districts of South West Bengal" Giri, D.; Roy, B.C.; Sarkar, D. and Das, S. (2020). Innovative Farming, 5(2), 103-109. ISSN: 2455-6521.

**Bitan Mondal**

"Performance Evaluation of Pradhan Mantri FasalBima Yojana (PMFBY) in West Bengal". Roy, B. C.; Mondal, B.; Ojha, S.; Biswas, R. K. and Datta, V. (2020).; Agricultural Situation in India, Government of India, January 2020, Vol. LXXVI, No.10, pp-47-49.

"Resilience of agriculture in a climatically vulnerable state of India". Das, U., Ghosh, S., & Mondal, B. (2019). Theoretical and Applied Climatology, 1-17. <https://doi.org/10.1007/s00704-019-03061-x>.

"Spatio-temporal variations in effects of participatory irrigation management (PIM) reform in India: A panel data analysis". Ghosh, S., Kolady, D. E., Das, U., Gorain, S., Srivastava, S. K., & Mondal, B. (2019). Agricultural Water Management, 222, 48-61.

"Influence of Forest Devolution Policy on the Tribal Population of Chhattisgarh due to Implementation of Forest Rights Act". Nandi, D.; Sarkar, D. and Mondal, B. (2019)., NIRD, Hyderabad, [http://nirdpr.org.in/nird\\_docs/srsc/srsc230217-11.pdf](http://nirdpr.org.in/nird_docs/srsc/srsc230217-11.pdf).

**Books & Book Chapters:**

**Debashis Sarkar**

"Sustainable Management Practices of the Traditional Society in Contested Landscapes". In: Mohanan Bhaskaran Pillai and Geetha Ganapathy Doré (Eds.), Global Commons Issues,



Concerns and Strategies (pp. 221-239) Nandi, D. and Sarkar, D. (2020). SAGE Publications Pvt. Ltd.

"Empowerment of rural women with reference to agriculture and dairy sectors in India". In: Chandan Bandyopadhyay (Ed.), Women's Economic Empowerment and Inclusive Growth (pp. 13-21) Sarkar, D. (2019)., New Delhi Publishers, New Delhi.

Monographs:

**Bidhan Chandra Roy**

1. "Performance Evaluation of Pradhan Mantri FasalBima Yojana (PMFBY) in West Bengal". Roy, B.C. and Mondal, B. (2019)
2. "Rural Livelihood Diversification in West Bengal". Roy, B. C. (2019).

**Bitan Mondal**

"Performance Evaluation of Pradhan Mantri FasalBima Yojana (PMFBY) in West Bengal". Roy, B.C. and Mondal, B. (2019)

**Designing New Course/Curriculum:**

The department already initiated steps (approved by the BOS, Dept. of Agricultural Economics) to offer Two Years Master Degree programme in the subject of Agricultural Economics. Department also took initiatives to introduce a self-financing MBA programme on Agri-Business Management in collaboration with industry & other relevant partners.

Efforts are being taken to modernise the Computer Laboratory of the department with modern equipments and software. Effort will be made to develop one seminar hall of the department in the near future.

**Other relevant information:**

The department was able to maintain its records of high performance in teaching, research and extension activities, despite severe constraints faced in terms of space, budget, infrastructure and availability of non-teaching staff. During the year, four Ph. D students have submitted their thesis and have been awarded Degree. This year, the faculty members of the department guided the final year UG students of the Bhavana and conducted special classes on a regular basis exclusively for the purpose of ICAR-JRF in Social Science that led to near 100% success in the national level tests like ICAR-JRF. Like previous years, this year also the department has organised several field visits and training programmes for farmers and extension personnel (both on campus and off campus). The department performed extremely well in externally sponsored projects, publications, extension activities and policy linkages with other departments and institutions.

## Department of Agricultural Engineering

The Department of Agricultural Engineering was established on 3rd September, 2016. The main objectives of the Department are teaching, research and extension activities in the field of Agricultural Engineering including, Farm Mechanization, Food and Agricultural Processing, Soil and Water Conservation Engineering and Renewable Energy Technology and also to provide scientific basis for enhancing and sustaining productivity in the farming sectors with the modern and advanced agricultural technologies. At present, the Department offers different courses viz. Farm Power and Machinery, Protected Cultivation and Postharvest Technology, Fundamentals of Soil and Water Conservation Engineering, Renewable Energy, Principles of Food Science and Nutrition, RS and GIS in NRM and Land use planning at undergraduate level in Agricultural Sciences. The Department also offers Ph.D. degree programme in Agricultural Engineering disciplines. There are five students continuing Ph.D. degree in the Department. Major research areas are Precision agriculture application, climate change impact on forest biomass, Runoff modelling, Food Process Engineering, Food Technology, etc. Being a new Department, there is enormous requirement of infrastructure and equipment, including laboratory, Workshop and Departmental Building.

### **Departmental Seminar/Workshop:**

23.02.2020-03.03.2020. 10-Day National Workshop on Data Analysis using Statistical Tools, Techniques and Packages with Special emphasis on SPSS and R in Collaboration with Department of Agricultural Statistics.

### **Conference /Seminar /Workshop /Symposium Participated:**

#### **P. Kandasamy**

23.02.2020-03.03.2020. National workshop on Data Analysis using Statistical Tools, Techniques, and packages with special emphasis on SPSS and R, Organized by Department of Statistics and Department of Agricultural Engineering, PSB, Visva-Bharati, Santiniketan, West Bengal.

#### **Kishore Chandra Swain**

15.02.2020-16.02.2020. Presented Invited Lecture in the National Seminar on Rainfed Agriculture for Strategies for Sustainable Farm Economy at GIET University, Gunupur. Title of the presentation: "Machineries and Techniques of ICT for Rainfed Agriculture"

16.11.2019-18.11.2019. Presented paper in the International Seminar on Developing cultural Tourism in & around Birbhum, organized by Visva-Bharati and Ministry of Tourism, Govt. of India at Lipika, Visva-Bharati. Title of presentation: Exploring Scope of Agri-tourism in Sriniketan and Surroundings.

14.10.2019-17.10.2019. Presented paper in the 8th Asian-Australasian Conference on Precision Agriculture. Title of presentation: "Sustainable Crop selection decision system with AHP-GIS Technique".

09.12.2019-10.12.2019. Presented paper in the 4th Regional Science & Technology Congress-2019 organized by The University of Burdwan and Department of Science and Technology and Biotechnology, Govt. of West Bengal. Title of presentation: "Sustainable crop identification using remote sensing technology".

23.02.2020-03.03.2020. National workshop on Data Analysis using Statistical Tools, Techniques, and packages with special emphasis on SPSS and R, Organized by Department of Statistics and Department of Agricultural Engineering, PSB, Visva-Bharati, Santiniketan, West Bengal.

**On-going Research Projects:**

Sl.	Name of the Project Co-ordinator/ team Leaders	Name of the Project	Sponsoring Agency	Amount Sanctioned (Rs.)
1.	Kishore C. Swain and Nileshwari R. Yewle	Studies on Flexible Hermetic Storage System for Green Gram and Turmeric Rhizome	Institute of Engineers R & D Grant-Aid-Scheme	0.60 Lakhs for February 2019- July 2020

**Extension Activities/NSS/Cultural and other activities:**

Blood Donation cum Awareness Lecturer was organized by NSS unit, PSB/PSV and Palli Siksha Bhavana, Library during 12-13 February 2020.

Conducted RAWE programme for undergraduate students on Agricultural Mechanization and Rice Processing Industry in rural areas of Bolpur sub-division

Involved in celebrating "Gandhi Punnahaya" on 10th March with the students

Involved in organizing and celebrating Teachers Day in the Department with the students

Involved in student's counselling and placement for PhD

Involved in Students Farewell Program in the Bhavana with students

Participated in the "Annual Sports Meet" of the Bhavana

**Academic Distinctions:**

**P. Kandasamy**

International Best Researcher in Post-Harvest Engineering award by IJRULA & RULA Awards in association with World Research Council and United Medical Council on 26 January 2020.

Reviewer of the Journals-

Journal of Food Science and Technology (Springer)

Journal of Food Process Engineering (Wiley)

**Kishore Chandra Swain**

ACPA 2019 : Award of Honour for delivering Keynote lecturer in 8<sup>th</sup> Asian-Australasian Conference on Precision Agriculture, at PAU, Ludhiana, India, during 14-17, October 2019.

Reviewer of the Journals

Journal of Agricultural Engineering

Computer and Electronics in Agriculture

Indian Society of Remote Sensing

**Publications:**

**Research Papers:**

**P. Kandasamy**

"Assessment of physicochemical and sensory characteristics of foam-mat dried papaya fruit

powder". Kandasamy, P. Varadharaju, N., Dhakre D. S. and Smritikana, S. (2019).. International Food Research Journal, 26(3): 819-829.

"Recent developments in microwave drying technology for food preservation". Kandasamy, P and S. Smritikana (2019).. Journal of Emerging Technologies and Innovative Research, 6(2): 474-488.

"Effect of cooling in a fabricated solar cooler on histology of Pangasius (Pangasianodon hypothalamus) muscle". Biswas, O. Kandasamy, P and Sarkar, P. (2020). Indian Journal of Animal Health, 59(1): 73-77.

"Experimental investigation on the effect of pre-treatments on thin layer drying and quality characteristics of green mangoes in forced convection hot air drying". Mishra, M., Shukla, R.N., Kandasamy, P. and Huirem, B. (2019). International Journal of Current Microbiology and Applied Sciences. 8(6): 3112-3124.

### **Kishore Chandra Swain**

"Micro, Small and Medium Enterprises (MSMEs) in India: The Engine of Growth". Sahoo, B.B., Swain, K.C. (2020). International Journal of Social Sciences, 9(1): 01-13.

"Land Suitability Assessment for Potato Crop using Analytic Hierarch Process Technique and Geographic Information System". Singha, C., Swain, K.C., and Saren, B.K. (2019). Journal of Agricultural Engineering, 56(3): 77-87.

"Identification and Assessment of Forest Fire in Similipal Tiger Reserve (STR) with GIS". Swain, S.K. and Swain, K. C. (2019). Indian Forester, 145(12): 1131-1138.

"Effect of polishing on chemical and engineering properties of yellow and black turmeric". Yeole, N.R., Swain K.C., Mann, S., Chandrasekar, V. and Kalnar, Y. (2019). Annals of Phytomedicine: An International Journal, 8(2): 85-92.

"Hermetic technology: A new beginning for grain storage and famers benefits". Mann, S., Yeole, N.R., Swain K.C. and Mittal, S. (2019). Indian Farming, 69(12):34-36.

### **Books and Book Chapters:**

#### **P. Kandasamy**

"Weed and Nematode Management - A Study". Kandasamy, P. (2019)., In book (ed) Proceedings of the International Conference on Livelihood Promotion, Bio-diversity Conservation and Social Security in Indian Sundarbans edited by Bholanath Mondal. Palash Mondal, Indrabrata Bhattacharya, New Delhi Publishers, New Delhi. ISBN: 978-93-88879-26-2.

#### **Kishore Chandra Swain**

"A Text Book on Precision Agriculture Technology". Swain, K.C., (2020)., New Delhi Publishers, pp. 161. ISBN: 978-93-88879-57-6.

### **Other relevant information**

Ms. Olipriya Biswas has been selected and joined as Assistant Professor in Department of Fishery Engineering, Faculty of Fishery Science, West Bengal University of Animal & Fishery Science.

Dr. Kishore Chandra Swain, is serving as Programme Officer, NSS unit, PSB/PSV since April 2019. Along with the students and teachers, he has carried out various extension activities such as Plantation programme, Swachhata Hi Seva (SHS) programme at Benuria High School and Blood Donation camp etc. during the year 2019-20.

## Department of Agricultural Entomology

Initially Agricultural Entomology and Plant Pathology were taught under the Department of Agriculture, Palli Siksha Sadana since 1965 and became a separate Department of Plant Protection within the Institute of Agriculture in 1989 by amalgamation of these two major subjects. The Department continued to offer resident instruction programme in Agricultural Entomology comprises undergraduate instruction for the students of Palli Siksha Bhavana and postgraduate instruction leading to M.Sc. and Ph.D. degrees in Plant Protection with specialization in Agricultural Entomology for the last 28 years. Recently in the year 2017, Plant Protection programme has been bifurcated to offer separate PG programme in M.Sc. (Ag) in Agricultural Entomology. Subsequently creation of full-fledged Department of Agricultural Entomology has been resolved in the Executive Council of Visva-Bharati in its meeting dated 23.02.2019 vide agenda Item No.4 and started to function independently w.e.f. 2nd June 2019 vide Memo No. Aca-G/K-40/190/2019-20 dated 02.06.2019. The department has been formed with an objective of achieving excellence in teaching Agricultural Entomology to UG, PG and PhD students and conducting problem-oriented research of farmers. Traditional strengths of research in the department had been in economic entomology, toxicology, biocontrol and on sericulture. At present emphasis is on synthesizing IPM modules for different crops involving bio- agents, cultural practices, host plant resistance and ecofriendly chemicals. The Department has so far contributed around 85 well-trained post graduate students to the human resource pool of agriculture and allied sectors. Many alumni of the college have risen to exalted positions and gained recognition both at national and international levels. Beside that the Department is gearing up to establish a well-equipped experiential learning unit of Sericulture that helps to produce job provider, rather than job seeking graduates.

### **Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations:**

Suvajit Pal (ICAR-NET)

### **National and International standard Conference/Seminar/Workshop**

#### **Hirak Chatterjee**

07.01.2019. Participated and Chaired the "Capacity Building training cum Workshop programme" on Tasar sericulture farmers of Bankura district of West Bengal and addressed the seri-farmers on Major pests of Tasar Silkworm (*Antheraea mylitta* D) and its remedial measures.

#### **Palash Mondal**

25.09.2019-26.09.2019. International Seminar on 'Ecological and Environmental Sustainability: Way Forward for Livelihood Security', held at Jharkhali, organized by the Department of Plant Pathology, Palli-Siksha Bhavana (Institute of Agriculture), Visva-Bharati in collaboration with Hiranmoypur Agro-Horticultural Society for Technology and Rural Development. Title of the paper- Studies on influence of weather parameters on population abundance of *Helicoverpa armigera* in tomato (*Lycopersicon esculentum* Mill.)

14.09.2019-15.09.2019. 7th ICSDAP Biennial Conference on 'Social unrest, peace and development' at Islamic University, Kushtia, Bangladesh Organized by Islamic University, Kushtia, Bangladesh and ICSDAP. Title of the paper: Kitchen Gardening - A type of family

farming to balance nutritional insecurity for the rural people

### Swarnali Bhattacharaya

26.07.2019-27.07.2019. Oral Presentation made in the National conference of Biotic Science Conference on the theme "Challenges and Innovative Approaches in Agriculture and Allied Sciences Research" organized by Society for Advancement of Agricultural Innovations (SAAI) at Salem, Tamil Nadu on the topic "Plant defense signaling of micro-organisms against Tomato white fly (Bemesiatabaci)"

### Ongoing Research Projects

Sl.	Name of the Project Co-ordinator/ team Leaders	Name of the Project	Sponsoring Agency	Amount Sanctioned (Rs.)
1.	Prof. Hirak Chatterjee	Evaluation of Bio-products against stem borer and leaf folder.	Emergene Agrinovo Private Ltd, Hyderabad, TS, India, 500018	1.3 Lakh
2.	Dr. Palash Mondal	Bioefficacy field trial of Chlorantriniprole 18.5% SC against fruit and shoot borer in brinjal crop & stem borer, leaf folder in rice crop	Ms. Agrow Allied Ventures Pvt. Ltd. Gurugram, Haryana	2.80 Lakh
3.	Dr. Swarnali Bhattacharaya	Evaluation of Bio-efficacy, phytotoxicity and residue trial of new generation molecules against important insect-pests infesting Sugarcane, chilli, okra and brinjal crop	Willwood Chemicals Pvt Ltd.	10.1 Lakh

### Extension activities/NSS/Cultural and other activities

The department is involved in transfer of technologies (TOT) from its inception. Apart from this, department is organizing departmental seminar, faculty members of the department regularly took part in district and state level expert group meetings, and delivered invited lecture organised by the Department of Agriculture, Government of West Bengal. The faculty members of the Department were also regularly participated in various outreach and extension programmes in All India Radio (FM 103.1). Moreover, the students of this Department are actively engaged in the extension activities organized by the Institute from time to time and simultaneously the department runs a Plant Health Clinic during office hours on all working days for the benefit of farmers. Telephone advisory services in relation to pest management are also extended to the farmers. Diagnostics and advisory services towards sustainable pest management are also extended to the Directorate of Agriculture, Govt. of West Bengal and different NGO's.

In addition to that the faculty members took part in various training programmes organized by Rathindra Krishi Vigyan Kendra, Visva-Bharati including on-farm training to growers in the surrounding villages. Beside that the faculties are actively involved in SwachataAbhiyan, Tree Plantation, Gandhi Punya, MaghMela, Halokarshon, Blood donation camp organized by NSS

#### **Academic distinctions gained by teachers/scholars**

##### **Hirak Chatterjee**

Appointed as Adjunct Faculty at Uttar Banga Krishi Viswavidyalaya, Cooch Behar, West Bengal.

Act as External expert in various selection committee and CAS promotion Board in ICAR & ISI, Kolkata.

Acting as Head of the Department, Department of Plant Protection, Palli Siksha Bhavana, Visva-Bhatayi, since 1st March 2017.

Acting as NODAL Officer, PSB, Visva-Bharati for the Project NISAGENET, ICAR, New Delhi.

Acting as Councillor of the Journal of Plant Protection and Environment. OUAT, Orrissa, Bhubaneswar since 2007.

Acting as referee of the Journals in 'Insect Science' PAU, Ludhiana.

Acting as referee of the Journals 'Oryza' and AZRA Society, CRRI, Cuttack

Acting as referee of the Journals in Agricultural Research Communication, Gourav Society, Hissar.

Acting as referee of the Journal of Plant Protection and Environment. OUAT, Orrissa, Bhubaneswar

Acting as paper setter, thesis evaluator and external examiner in CAU, OUAT, UBKV and BCKV and AAU, Jorhat

##### **Palash Mondal**

Life member of 'Crop and Weed Science Society' published the Journal 'Crop and Weed'. Office: Department of Agronomy, F/Ag., BCKV, India.

Life member of Society of Bio-resource, Environment and Agricultural Research, published the International Journal of Bio-resource, Environment and Agricultural Sciences Office: Abanpalli, Santiniketan, Birbhum, West Bengal.

External Examiner for Master's thesis evaluation at BCKV, Mohanpur; UBKV, Cooch Behar  
Paper setter of different courses of Entomology for UG level at BCKV, UBKV, JNKVV, PAU

PG Coordinator of Department of Plant Protection, Visva-Bharati

Course Co-ordinator of Library & Information Science for post graduate studies

Editorial Board member of International Journal of Bio-resource and Stress Management

Editorial Board member of International Journal of Bio-resource, Environment and Agricultural Sciences

Editorial board member of the Journal Progressive Agricultural Sciences

Member of Visva-Bharati staff football tournament

## **Swarnali Bhattacharya**

Received YOUNG WOMAN SCIENTIST AWARD in 2019 felicitated by Society for Advancement of Agricultural Innovations (SAAI).

Received YOUNG WOMAN SCIENTIST AWARD in 2019 felicitated by Dr.Vasantharaj David Foundation, Chennai

Appointed as an External Examiner for setting question paper in Bidhan Chandra KrishiViswa-vidyalaya, Mohanpur, Nadia, WB

Appointed as an external examiner for evaluation of dissertation and conducting viva-voce examination of M.Sc. (Ag) students at Bidhan Chandra KrishiViswa-vidyalaya, Mohanpur, Nadia, WB

Acted as judge for the Poster session in the National Symposium on "Role of Resource Management in Agriculture in the context of Food Security, Nutrition and Economy" held on 15th -17th December, 2018 at Institute of Agricultural Science, University of Calcutta.

## **Publications:**

### **Research Papers**

#### **Hirak Chatterjee**

"Occurrence of Fall Army worm *Spodoptera frugiperda* (J.E.Smith) (Lepidoptera:Noctuidae) on maize in West Bengal, India and its field life table studies".T Dhar, S Bhattacharya, H Chatterjee, SK Senapati, PM Bhattacharya, P Poddar, TR Ashika and T Venkatesan. 2019: Journal of Entomology and Zoology Studies. 7(4), 0869-875 5.53, (ISSN 2349-6800)

"Biodiversity and biocontrol prospects in mulberry gardens of west bengal with special reference to new predator *scymnus latifolius*. Sp. Nov on mealybugs infesting mulberry". Natarajan, Lalitha and Santhakumar, MV and Chatterjee, Hirak and Poorani, J. 2020: Innovative Farming; 5 (1-9).

#### **Palash Mondal**

"Study of some rational IPM modules to manage tomato fruit borer (*Helicoverpa armigera* Hub.) during rabi season under red and Lateritic zone of West Bengal". Bimal Mondal, Palash Mondal, Ayan Das and Kunal Bhattacharyya. 2019. International Journal of Chemical Studies 7(3): 1797-1800.

"Studies on influence of weather parameters on population abundance of some major insect pests of okra during rabi season under red and lateritic zone of West Bengal".Bimal Mondal, A Vignesh Kumar and Palash Mondal. 2019. Journal of Entomology and Zoology Studies. 7(4): 1282-1288.

"Studies on compatibility of two isolates of *Beauveria bassiana* (Balsamo) Vuillemin with different agro-chemicals used in crop protection".P. Mondal, P. Pramanik and S. Chatterjee. 2019. Progressive Agricultural Sciences.1(1): 1-6.

"Effect of granular insecticides on yellow stem borer and leaf folder of rice".Sitesh Chatterjee, Chirasree Gangopadhyay, Indrani Dana, Santosh Kumar Roy and Palash Mondal. 2019. Progressive Agricultural Sciences.1(1): 61-66.

"Population dynamics of chilli thrips *S. dorsalis* (Hood) and their natural enemies: Effect of weather factors in chilli agro-ecosystem". Sahani SK, Mondal P and Pal S. 2020. Journal



of Entomology and Zoology Studies. 8(1): 273-276.

### **Swarnali Bhattacharya**

"Comparative Biology of *Spilosoma obliqua*". Yogesh Kumar H.D. and Swarnali Bhattacharya (2019). Indian Journal of Entomology. March : 87-89 (ISSN 0367)

"Effect of different insecticidal treatments on aphid (*Aphis craccivora*) infesting groundnut (*Arachis hypogea*)". Veerendra Kumar and Swarnali Bhattacharya, 2019. in "Journal of Entomology and Zoology Studies" 7 (2): 513-515 (ISSN 2349-6800).

"Combination of Plant Growth Promoting Rhizobacteria and Biopesticides: An Effective Means of Suppressing Pod Borer Complex in Mungbean". Snehangshu Das, Swarnali Bhattacharya and Tapamay Dhar (2019). International Journal of Current Microbiology and Applied Sciences. (ISSN: 2319-7706), 8 (11) 1410-1417

"Comparative Assessment of Biocontrol Agents (BGAs) and Chemical Insecticides on the Incidence and Management of Major Insect-Pests in Green Gram in West Bengal, India". Prajna Pati and Swarnali Bhattacharya (2019). International Journal of Current Microbiology and Applied Sciences. (ISSN: 2319-7706), 8 (7) 1578-1587.

"Influence of Meteorological Parameters on the Incidence and Abundance of Leaf Miner (*Approaerema modicella*), Aphid (*Aphis craccivora*), and Bihar Hairy Caterpillar (*Spilosoma obliqua*)". Virendra Kumar and Swarnali Bhattacharya (2019). International Journal of Current Microbiology and Applied Sciences. (ISSN: 2319-7706), 8 (12):1225-1231.

"Occurrence of Fall Army worm *Spodoptera frugiperda* (J.E.Smith) (Lepidoptera:Noctuidae) on maize in West Bengal, India and its field life table studies". T Dhar, S Bhattacharya, H Chatterjee, SK Senapati, PM Bhattacharya, P Poddar, TR Ashika and T Venkatesan. Journal of Entomology and Zoology Studies. 7(4): 869-875 (ISSN 2349-6800).

"Studies on Species Diversity of Rice Leaf Folder and their Natural Enemies in North Eastern Coastal Plains of Odisha". BK Rautaray, S Bhattacharya, D Panigrahi, SR Dash (2019). International Journal of Current Microbiology and Applied Sciences. 8 (10) 634-645.(ISSN: 2319-7706)

"Effect of planting dates on incidence of rice leaf folder and its impact on grain yield in north eastern coastal plains of Odisha". T Panda, SR Dash, BK Rautaray, S Bhattacharya and D Panigrahi (2019). Journal of Entomology and Zoology Studies. 7 (5)1287-1290(ISSN 2349-6800).

"Evaluation of red rice genotypes against brown planthopper, BPH (*Nilaparvata lugens* Stal.) by phenotypic analysis and study of mechanism of resistance involved". Prajna Pati, Mayabini Jena, Swarnali Bhattacharya, Annamalai M, Raghu S, Behera SK, Sanghamitra P, Gurupirasanna Pandi G and Sankari Meena K. (2019). Journal of Entomology and Zoology Studies. 7 (5)149-155.(ISSN 2349-6800).

"Biology of *Spodoptera litura* (Fab) on different crop plants". Yogesh Kumar H.D. and Swarnali Bhattacharya, 2019. Journal of Entomological Research 43 (2) : 165-168 (ISSN No. - 0974-4576)

### **Books & Book Chapters**

#### **Hirak Chatterjee**

"Livelihood promotion, Bio-diversity Conservation and Social Security in Indian Sundarbans"

B. Mondal, B.Mondal, I.Bhattacharya, P.Mondal, S.Bhattacharya, R.Nath, S.Santra, M.K.Biswas and H.Chatterjee. Published by New Delhi Publishers on December 2019. [ISBN No.-978-93-86453-97-6]

### **Palash Mondal**

"Indigenous Knowledge in Ecosafe Plant Protection Biodiversity in Sundarbans Region of West Bengal, India".Bholanath Mondal and Palash Mondal (2019). pp. 387-403. In: Proceedings of the international conference on livelihood promotion, bio-diversity conservation and social security in Indian Sundarbans. Bholanath Mondal, Palash Mondal and Indrabrata Bhattacharya eds. New Delhi Publishers, New Delhi, 1st Edition, 484p. (ISBN: 978-93-88879-26-2).

"Proceedings of the international conference on livelihood promotion, bio-diversity conservation and social security in Indian Sundarbans". Bholanath Mondal, Palash Mondal and Indrabrata Bhattacharya eds. (2019). New Delhi Publishers, New Delhi, 1st Edition, 484p. (ISBN: 978-93-88879-26-2).

### **Designing New Course/curriculum or any other teaching innovations introduced by the Department:**

During this academic year two Under Graduate courses have been newly designed and restructured viz; AEN- 211: Bio-control agents and Bio-pesticides: 2 (1+1) with an objective to train the students with theory and practice of biological control, mass production techniques and field evaluation of various biological control agents like parasitoids, predators and various entomopathogenic & other microorganisms. AND AEN-321: Principles of Integrated Pest Management: 2 (2+1) with an objective to train the students with theory, practice & validation of IPM. Mass production techniques of natural enemies & field diagnosis of various insect-pests. They will learn PRA & Decision making. Also, to aquatint with Host Plant Resistance and ecological management of insect-pest.

Other relevant information:

Faculties of the department have got sanctioned 4 major research projects from AVRDC, Taiwan and Horticultural Mission, Govt. of West Bengal. Among them one has achieved international recognition after its successful completion. Credit based Semester system has been incorporated for UG, PG & Ph.D. students in order to make the course curriculum system more flexible. It periodically updates its syllabi according to UGC & ICAR guidelines to incorporate emerging trends of the respective subjects. New syllabus for Ph.D. course work has been designed keeping in view of the recent advancement of knowledge in the respective subjects, which has been dully introduced successfully. Besides that, some new technologies w.r.t. sustainable management of brinjal fruit and shoot borer in eggplant, important insect-pests of rice in a eco-friendly way has been developed., Towards Nation building and making 'SELF-RELIANT BHARAT' this Department has been set-up SERICULTURE and APICULTURE as a part of UG course curriculum as well as to impart hands on training to the unemployed youth, migrant labours and distressed aged farmers for making them self-sufficient. Moreover, this department is planning to establish a dedicated Plant Health Clinic for providing single window solution to the farmers of adjoining areas and to carryout entomological research on new vistas of technologies.

## Department of Agricultural Extension

Department of Agricultural Extension is created as one of the nine departments of Palli Siksha Bhavana (Institute of Agriculture) in Visva-Bharati on 30th September 2016 from the erstwhile combined department of Agricultural Extension, Agricultural Economics and Agricultural Statistics. The Department of Agricultural Extension is actively engaged in B.Sc. (Hons.) Agriculture programme and it offers M.Sc. (Ag.) in Agricultural Extension and Ph.D. in Agricultural Extension programmes

**Name of the student qualified in UGC/CSIR/NET/SLET and GATE Examinations:**  
Rupashree Senapati - UGC NET (December 2019)

**National and International standard Conference/Seminar/Workshop Attended:**

**Anindita Saha**

23/02/2020-03/03/2020. Attended and successfully completed 10-Day National Workshop on Data Analysis using Statistical Tools, Techniques and Packages with special emphasis on SPSS and R, Organised by Department of Agricultural Statistics, PSB, Visva-Bharati, Sriniketan

**Extension activities/NSS/Cultural and other activities:**

Gandhi Punyaho

Teachers Day

Foundation Day

Freshers' Welcome

Farewell of Outgoing students

**Publications:**

**Research Papers:**

**Sarthak Chowdhury**

"Impacts on agriculture following the 2009 cyclone Aila: Lessons for recovery" (2019) Mondal, Debabrata, Chowdhury Sarthak. & Basu, Debabrata. Global Journal of Bio Science and Biotechnology. Vol. 8 No-3 pp: 302-306. ISSN no. 2278 - 9103

**Siddharth D. Mukhopadhyay**

"Studies of the Perception of Respondents regarding KVK Training Intervention in Agriculture" (2019), Sabyasachi Karak, Subhajit Roy and Siddhartha Dev Mukhopadhyay. International Journal of Current Microbiology and Applied Sciences, 8(2), Pp 1-16.

"Study of Knowledge, Skill and Extent of Participation of Self-Help Group Members in Managing SHGs and Income Generating Activities (2019)". N. Khoisnam and S.D. Mukhopadhyay. International Journal of Current Microbiology and Applied Sciences. 7(1), Pp 2270-2279.

"The nature and extent of changes occurred in the knowledge and practices of the respondents: A study in Nadia district of West Bengal" (2019). Karak, Sabyasachi and Mukhopadhyay, Siddhartha Dev. International Journal of Chemical Studies, 7, Pp 389-394.

"Impact of ATMA (Agricultural Technology Management Agency) in Changing Knowledge, Skill and Adoption Behavior of Farmers in Sikkim" (2019). Subba, Ranjit and Mukhopadhyay,

Siddhartha D. International Journal of Current Microbiology and Applied Sciences, 8, Pp 1493-1505.

"Perception of Beneficiaries about Impact of MGNREGS on Economic, Social and Societal Empowerment" (2019). Sinha, Subir Kumar and Mukhopadhyay, Siddhartha D. Economic Affairs, 64, Pp 753-759

"Farmers ' Perception on the Gaps, Barriers and Driving Forces for Organic Farming in India" (2019). Roy, Sabyasachi and Mukhopadhyay, Siddhartha D. Indian Journal of Agricultural Extension, 55, Pages 43-48.

### **Souvik Ghosh**

"Factors driving farmers' knowledge on climate change in a climatically vulnerable state of India". Das, Usha, and Ghosh, Souvik (2020). Natural Hazards (Springer), 102: 1419-1434.

"Resilience of Agriculture in a Climatically Vulnerable State of India". Das, Usha, Ghosh, Souvik and Mondal, Bitan (2020). Theoretical and Applied Climatology (Springer), 139: 1513-1529.

### **Anindita Saha**

"Constraints Faced by the Betel Vine Growers in Nadia District of West Bengal", Biswas, M., Saha, A. and Dash, S.R. (2019), International Journal of Current Microbiology and Applied Sciences, 8(4): 80-85pp, ISSN: 2319-7706

"Sources of Information and Their Extent of Utilization by Actors in AKIS for Betel Vine Growers in Nadia District of West Bengal", Biswas, M., Saha, A. and Dash, S.R. (2019), Asian Journal of Agricultural Extension, Economics and Sociology, 32(4): 1-6pp, ISSN: 2320-7027

"Participation of Rural Women in Decision Making Process of Dairy Farming in Sarguja District of Chhattisgarh, India". Gupta, A., Saha, A., Gupta, R.K. and Dhakre, D.S. (2020), International Journal of Current Microbiology and Applied Sciences, 9(6): 2982-2988pp, ISSN: 2319-7706

"Perceived Constraints on Participation of Rural Women in Decision - Making Process: Insights from Dairy Farming in Sarguja District of Chhattisgarh", Gupta, A., Saha, A., Gupta, R.K. and Dhakre, D.S. (2020), Current Journal of Applied Science and Technology, 39(20): 23-29pp, ISSN: 2457- 1024

"Perception of Vegetable growers towards Excessive Use of Pesticides in Bankura District of West Bengal", Paine, A.K., Saha, A., Dhakre, D.S. and Gupta, R.K. (2020), Journal of Research ANGRAU, XLVIII (1): 53-58 pp, ISSN: 0970-0226

"Entrepreneurial Behaviour of Tribal Dairy Farmers in Balrampur District of Northern Hill Region of Chhattisgarh", Gupta, R.K., Saha, A., Tiwari, P.K., Dhakre, D.S. and Gupta, A. (2020), Indian Journal of Extension Education, 55(4):25-30pp, ISSN: 0537-1996

"Personal, Psychological, Situational and Communicational Profile of Gram Cultivators in Hamirpur District of Uttar Pradesh, India", Bajpai, V. and Saha, A. (2020), International Journal of Current Microbiology and Applied Sciences, 9(3): 1-13pp, ISSN: 2319-7706

"Correlates of Personal, Communication and Psychological Attributes with Functional Linkage of Gram Cultivators of Hamirpur District of Uttar Pradesh", Bajpai, V. and Saha, A. (2020),

Multilogic in Science, 10(33): 630-633pp, ISSN: 2277-7601

**Other Papers:**

**Souvik Ghosh**

"Farmers'- Led Extension: Contexts, Experiences and Way Forward". Das, U. and Ghosh, S. (2019). Indian Farming, 69 (5): 31-35.

"Public Private Partnership in Agriculture Sector". Das, U. and Ghosh, S. (2019). Kurukshetra, 67 (12): 40-45.

"Water User Institutions for Effective Water Management at Grass-Root Level". Das, U. and Ghosh, S. (2019). Kisan World, 46 (4): 55-58.

"Agricultural Research and Extension: Making the Link". Das, U. and Ghosh, S. (2019). Agriculture Today, 22 (3): 38-39.

**Books & Book Chapters:**

**Sarthak Chowdhury**

"Panchayats in Disaster Preparedness and Management". Mondal, Debabrata, Chowdhury, Sarthak. and Basu, Debabrata (2019). Best Publishing House, New Delhi. ISBN 978-81-9382-168-8

"Training - An Intellectual Investment in Human Resource Development", Chowdhury, Sarthak. and Ray, Prabuddha (2019). New Delhi Publishers, New Delhi, p. 295. ISBN No. 978-93-88879-15-6

**Souvik Ghosh**

"Growing Potato through True Potato Seed (TPS): Levels and Dynamics of Adoption". Tripura, Binoy and Ghosh, Souvik. (2020). New Delhi Publishers, New Delhi, P. 203 (ISBN 978-93-88879-67-5).

"Geoinformatics: Today's e-Bird's Eye". Das, U., Ghosh, S. and Praharaj, S. (2020). In: Application of Space and Modern Technology in Agriculture and Environment. Swain, K.C., Chatterjee, A.K., Patra, P.K. and Kandasamy, P. (Eds.). Mukund Publication, Delhi. pp. 183-195 (ISBN: 978-93-84335-35-9)

**Anindita Saha**

"Tribal Dairy Entrepreneurship Development", Gupta, R.K. and Saha, A. (2020), LAP LAMBERT Academic Publishing, 1-161pp, ISBN: 978-620-2-56360-4

"Decision -Making Process of Women Dairy Farmers in Rural Area", Gupta, A, Saha, A. and Gupta, R.K. (2020), LAP LAMBERT Academic Publishing, 1-129pp, ISBN: 978-620-2-78816-8

**Designing New Course/Curriculum or any other teaching innovations**

Following two Elective Courses were designed for the UG level students that would be introduced from academic session 2019-20:

AEX 312: Communication and Information Management (2+1=3 Credits)

AEX 321: Emerging Trends in Agricultural Extension (2+1= 3 Credits)

**Other relevant information:**

The Department of Agricultural Extension deals with eight courses for Under Graduate

programme of the Bhavana and coordinates Rural Awareness and Work Experience (RAWEX) programme. It conducts two-years M.Sc.(Ag.) in Agricultural Extension programme and Ph.D. in Agricultural Extension programme. The Department has made significant accomplishments in teaching, research and extension fronts that are evident from the students' success in ICAR-JRF, ICAR-SRF, ICAR-NET and UGC-NET examinations, implementation of two externally funded research projects and coordination of rural awareness work experience programme as well as field demonstrations on vegetables, pulses and oilseeds crops, respectively. This department has developed two new elective courses i.e. Communication and Information Management (2+1=3 Credits) and Emerging Trends in Agricultural Extension (2+1= 3 Credits) which are being offered from academic session 2019-20.

## Department of Agricultural Statistics

Department of Agricultural Statistics is one of the twelve departments of the Institute of Agriculture (Palli-Siksha Bhavana, in short PSB). This Department has been functioning since 2nd June 2019, under Visva-Bharati. Department of Agricultural Statistics is located at Institute of Agriculture, Sriniketan. The department is offering various courses at UG, PG and Ph. D. levels on subjects like Agricultural Statistics and Data Analysis. The main aim of this department is to promote and conduct different teaching, research and outreach programmes. Mention may be made of the following specific highlighted objectives:

To teach the courses on Agricultural Statistics at UG, PG and Ph.D. level.

To pursue research work in the areas of Agricultural Statistics and other related areas.

To collect data from different experiments and sources for analyzing the data, finding feasible results and to provide that to other allied departments.

To make facilities available for analysing big data using computing techniques and statistical tools.

To develop some computer programs for applied statistical techniques and tools for which software's are not directly available.

### **Conference/Seminar/Workshop/ Exhibition:**

#### **Debasis Bhattacharya**

21.12.2019-23.12.2019. invited speaker in International conference on Recent Advances in Statistics and Data Science for Sustainable Development, organized by Department of Statistics, Utkal University, held at Institute of Physics, Directorate of Atomic Energy Bhubaneswar, Odisha.

09.12.2019-10.12.2019. invited speaker in National conference on High dimensional Data Analysis-Stochastic Optimization methods (UGC-SAP sponsored). organized by Department of Statistics, Pondicherry University.

### **Extension activities/NSS/Cultural and other activities:**

23.02.2020-03.03.2020. Ten-day National Workshop on Data Analysis using Statistical Tools, Techniques and Packages with special emphasis on SPSS and R.

### **Academic distinctions:**

#### **Debasis Bhattacharya**

#### **Award**

'Distinguished Statistician' by the Indian Society for Probability and Statistics.

Membership of Learned Society

The American Statistical Association

The Institute of Mathematical Statistics, USA

Indian Statistical Institute

Calcutta Statistical Association

Indian Science Congress Association

Indian Association for Productivity, Quality and Reliability.

Editorial Responsibility

Editor of the Journal "Stochastic Modelling and Applications", ISSN: 0972-3641  
Managing Editor of "International Journal of Statistics and Management System", ISSN: 0973-7359  
Editorial Board Members of Global and Stochastic Analysis ISSN 2248-9444  
Editorial Board Member of the Journal of the Indian Society for Probability and Statistics ISSN: 2277-9620  
Editorial Board Member of Journal: Palli Charcha, The Indian Journal of Rural Studies, ISSN: 2350-1227

**Peer reviewer of international journals:**

Journal of Inequality and applications  
Statistics and Probability Letters  
Journal of Statistical Planning and Inference  
Journal of Multivariate Analysis  
Communication in Statistics; Theory and Methods  
Naval Research Logistics  
Journal of Applied Statistic and Methods  
Model Assisted Statistics and Applications

**Publications:**

**Research papers:**

**Debasis Bhattacharya**

"Performance Improvement of a Multi-State Coherent System using Component Importance Measure", 2019, American Journal of Mathematical and Management Sciences. 38(3), 312-324.

"An Analysis of Constraints in Large Scale Dissemination of System of Rice Intensification (SRI) in Odisha, India", 2019, International Journal of Current Microbiology and Applied Sciences, 8(7), 1898-1906.

"Use of regression model and ARIMA model for forecasting kharif food grain production of Odisha: A comparative study", 2019, International Journal of Multidisciplinary Research and Development, 6(12), 107-116.

"The challenge of selecting the best forecasting model for a time series data", 2020, Journal of Food, Agriculture & Environment, 18(2), 97-102.

"An Appropriate Model to Fit the Production of Rice and Wheat Data for India", 2020, International Journal of Current Microbiology and Applied Sciences, 9(3), 439-449.

**Digvijay Singh Dhakre**

"An Analysis of Constraints in Large Scale Dissemination of System of Rice Intensification (SRI) in Odisha, India", 2019, International Journal of Current Microbiology and Applied Sciences, 8(7), 1898-1906.

"Assessment of physicochemical and sensory characteristics of foam-mat dried papaya fruit powder", 2019, International Food Research Journal, 26(3), 819-829.

"Use of regression model and ARIMA model for forecasting kharif food grain production of Odisha: A comparative study", 2019, International Journal of Multidisciplinary Research and Development, 6(12), 107-116.



"The challenge of selecting the best forecasting model for a time series data", 2020, Journal of Food, Agriculture & Environment, 18(2), 97-102.

"Perception of vegetable growers towards excessive use of pesticides in Bankura district of West Bengal", 2020, The Journal of Research ANGRAU, 48(1), 53-58.

"An Appropriate Model to Fit the Production of Rice and Wheat Data for India", 2020, International Journal of Current Microbiology and Applied Sciences, 9(3), 439-449.

#### **Kader Ali Sarkar**

"The challenge of selecting the best forecasting model for a time series data", 2020, Journal of Food, Agriculture & Environment, 18(2), 97-102.

"An Appropriate Model to Fit the Production of Rice and Wheat Data for India", 2020, International Journal of Current Microbiology and Applied Sciences, 9(3), 439-449

#### **Designing New Course/ Curriculum or any other teaching innovations**

The department has developed one Practical Manual for post graduate course on Nonparametric Techniques

The department is contemplating to organise a 10-day National Workshop on Data Analysis. The department is planning to initiate Post graduate courses on Data science/ Bio Statistics.

#### **Other relevant information:**

The department is trying to maintain its record of high performance in terms of teaching, research and outreach programmes as it was performing before. The department has developed one Practical Manual for post graduate course on Nonparametric Techniques. Presently (08) students are pursuing Ph.D. in the department. The department has organized a ten-day National workshop on "Data Analysis using Statistical Tools, Techniques and Packages with special emphasis on SPSS and R" during February 23 to March 03, 2020. The severe constraint of space, infrastructure and non-teaching man power are being felt on the way of general development of the department in all respect. The department is glad to report that Prof. Debasis Bhattacharya has been awarded "Distinguished Statistician" by the Indian Society for Probability and Statistics. It is also to mentioned that Dr. Kader Ali Sarkar, have successfully completed winter school at IASRI as a part of the faculty development programme.

## Department of Agronomy

### Departmental Activities:

#### A. Teaching

Regular teaching programme for under-graduate, post-graduate and doctoral level

Coaching classes for ICAR-JRF, ICAR-SRF, ICAR-NET, WBAS, etc

Educational tour for the students to different research institutes, private farms, farmers' field, etc

Conducting programme on Rural Agricultural Work Experiences for UG students

#### B. Research

Thrust areas of research: Improved agronomic packages for newly released varieties and hybrids, production of forage crops, integrated nutrient management, integrated weed management, improved water management practices, crop production under moisture stress, organic agriculture, cropping system research, conservation agriculture and integrated farming system.

Planning and conducting of research for Master and Doctoral degree

Collaborative doctoral research programme with different SAUs and ICAR research institutes

Sponsored and collaborative research programme funded by National organizations like CSIR, ICAR etc. and international organizations such as IPNI, ICARDA, IRRI etc.

Collaborative research programme under Public-Private-Partnership (PPP) module with funding from many National and Multinational companies.

#### C. Extension

Conducting farmers'- scientist meeting, farmers' training, women farmers training and imparting training to Govt. officials of dept. of Agriculture and in collaboration with Rathindra Krishi Vignan Kendra, Agriculture Department of West Bengal and NGOs.

Consultancy service to the farmers by the teachers of the department

Dissemination of modern knowledge of crop production through talks in All India Radio, Doordarshan and other TV programmes and technology demonstration in annual festival of Sriniketan (Magh Mela).

Coordinating Farmers' Exposure visit from different parts of West Bengal.

#### D. Other activities:

Organization of national and international seminar on contemporary themes

Regular cleaning work under Sawchh Bharat Abhiyan

Special programme on the occasion of National Integration Day, Teachers' Day etc.

Organization of annual picnic, freshers' welcome programme for the newly admitted PG students, farewell programmes for outgoing students and superannuated staff members.

Active participation of faculties of the department in University sports

#### Name of the students qualified in NET Examinations:

Antara Chaudhuri

Deepak Kumar Jaiswal

Maksud Hasan Shah  
Sushree Pratikshya Rani

**Conference/ Seminar/ Workshop/ Exhibition:**

**Prof. B.K. Saren**

16.11.2019-18.11.2019. Participated and presented a paper in International Conference on "Road Map for the Development of Rural Tourism in & around Birbhum" organized by Visva-Bharati in collaboration with Ministry of Tourism, Govt. of India & Dept. of Tourism, Govt. of West Bengal, at Lipika, Santiniketan.

**Dr. B. Duary**

24.08.2019-26.08.2019. Attended and presented invited lecture on "Weed management in direct seeded rice in West Bengal" in the Workshop on Enhancing resilience and productivity of rice-based system through precision agronomy, machine learning, and ICT based tools organised by International Rice Research Institute (IRRI), Hotel Taj, Chandigarh, Punjab, India.

24.08.2019-26.08.2019. Attended brainstorming workshop on developing ICT - based decision tool for field-specific weed management recommendation for rice and wheat organized by IRRI Chandigarh, Punjab and acted as Team Leader for eastern India.

05.02.2019-07.02.2019. Attended and presented an invited oral paper in the ISWS Biennial Conference 2020 on "Weed Management for Enhancing Farmers Income and Food Security" in ICAR-CCARI, Goa.

**K. Pramanik**

25.09.2019-26.09.2019. Presented a paper in the International Seminar entitled "Ecological and Environmental Sustainability: Way forward for Livelihood Security" organized by Department of Plant Pathology, Palli Siksha Bhavana, Visva-Bharati, Sriniketan in collaboration with Hiranmaypur Agro-horticultural Society for Technology and Rural Development, Basanti, South 24 Parganas. "Biofortification of zinc in aerobic rice under irrigation regime".

15.11.2019-16.11.2019. Presented a paper in the National Seminar entitled "Agro-Chemical Inputs and its Extension Approaches towards Food Security and Bio- Safety: Prospects & Challenges" organized by State Agricultural Management and Extension Institute-West Bengal, Integrated Rural Development and Management Faculty Centre & Sasya Shyamala Krishi Vigyan Kendra Ramakrishna Mission Vivekananda Educational and Research Institute, Ramakrishna Mission Ashrama, Narendrapur. "Zinc biofortification through agronomic approach in aerobic rice under irrigation regime".

18.11.2019-20.11.2019. Presented a paper in the National Seminar entitled "21st National Conference on Aerobiology" organized by Department of Botany, Visva-Bharati, Santiniketan. "Biofortification of zinc through agronomic management in aerobic rice under irrigation regime".

**M. Banerjee**

02.04.2020. Delivered a lecture as resource person on the topic "Herbicide Resistance and its management in Rice in Eastern India", in a workshop on "Herbicide Resistance situation in India, Present scenario, future challenge and way forward" sponsored by Syngenta at New Delhi

## Ongoing Research Projects

Name of Teacher	Name of the Project	Sponsoring Agencies	Amount Sanctioned
P.I. Prof. A.K. Barik CO-PI- Prof. B.K. Saren, & Dr. S.K. Maity	IFAD (International Fund for Agricultural Development)-ICARDA (International Center for Agricultural Research in the Dry Areas	IFAD-ICARDA project for South Asia	12220 USD
Dr. B. Duary	Principal Investigator of IRRI collaborative Programme on Direct seeded Rice Consortium (DSRC) under ICAR-IRRI Collaborative Project Window 3	International Rice Research Institute (IRRI), Philippines	15000 USD.
	Principal Investigator of the project "Testing of new varieties as well as hybrids recently developed by GMS Agritech Private Ltd."	sponsored by GMS Agritech Private Limited.	Rs. 7.84 lakh.
	Principal Investigator of the project "Bioefficacy of Orthosulfamuron 0.6% + Pretilachlor 6% GR on transplanted rice".	Nichino India Pvt Ltd.	Rs. 5.59 lakh..
	Principal Investigator of the project "Bioefficacy of Orthosulfamuron 50% WG on transplanted rice.	Nichino Chemical India Pvt. Limited	Rs. 3.64 lakh.
Dr. G.C. Malik	"Bio+Phytotoxicity evaluation of some herbicides and fungicides in different crops against different weeds and diseases scenario".	Syngenta India Ltd	14.55 lakh
	"Bio-efficacy study of different agrochemicals in field crops"	Crystal Crop Protection	2.20 lakh
	"Bio-efficacy and phytotoxicity study of different in crops"	Sumitomo Chemical India Pvt. Ltd.	16.00 lakh

Dr. K. Pramanik	Studies on bio-efficacy of concentrated natural derivatives on chilli, tomato, mustard, potato and maize crop	Ample Biocare Pvt. Ltd. Vijayawada.	5.20 lakh
	Studies on bio-efficacy of concentrated natural products on chilli, tomato, mustard, potato, maize crop	MN Bio Tech, Vijayawada	5.20 lakh
	Bio-efficacy, Phytotoxicity and Residues of herbicides on transplanted rice, cumin, sunflower and mustard	M/s Parijat Industries (India) Pvt. Ltd., New Delhi-110048	11.70 lakh
	Bio-efficacy & Phyto-toxicity of Metamifop 10% EC against the weeds of direct seeded Rice ( <i>Oryza sativa</i> ) crop & its effect on succeeding crop	M/S Crimsun Organics Private Limited, Tamil Nadu	1.56 lakh
	Study on bio-efficacy and phytotoxicity of some herbicides in soybean, cotton and tea	TEPHRA BIOSCIENCE LLP, Rohini, Delhi - 85	14.001 lakh
Dr. M. Banerjee	"Bio-efficacy study of different agro-chemicals in field crops"	Natco Pharma Limited.	9.07 lakh
	"Bio-efficacy study of different agro-chemicals in field crops"	Insecticides India Ltd	2.40 lakh
	"Bio-efficacy study of different agro-chemicals in field crops"	Sulphur mills limited	6.60 lakh
Dr. N.C. Sarkar	Livelihood improvement through climate-smart agriculture: An Australia-India Initiative	Australia-India Council	\$29, 550
	Performance evaluation of new rice varieties	Astha Agri Genetics	1.17 lakh
	Evaluation of new rice varieties under red-lateritic zone of W.B.	Astha Agri Genetics	1.36 lakh

#### **Extension activities/ NSS/ Cultural and other activities:**

##### **A.K. Barik**

28.8.2019. Utera/Poira cropping- its scope and improved technology, broadcasted by Doordarshan, Santiniketan

10.2.2020. Improved technology of green fodder production broadcasted by AIR, Santiniketan

through FM radio "Kishan Bani"

16.7.2020. Scope and strategies to increase green forage cultivation broadcasted by AIR, Santiniketan through FM radio "Kishan Bani".

### **B.K. Saren**

21.01.2020-22.01.2020. Delivered a lecture on 'water management in oilseed crops in Birbhum' in the Training meeting of Extension Workers of Birbhum District organized by Deputy Director of Agriculture (Admn.) Birbhum at Farmers' Training centre, Hatzanbazar, S.A.F., Suri.

13.3.2020. Delivered a lecture on 'Improved Pulse Production Technology' in the one day Field Day cum Training programme of farmers held at District Seed Farm, AB Block, Kalyani, B.C.K.V. organized by B.C.K.V.- ICARDA- Department of Agriculture, Govt. of West Bengal.

18.03.2020. Participated as an Expert in the Discussion programme on 'Organic Farming' in the Doordarshan, Santiniketan.

### **B. Duary**

20.08.2019. Imparted training and delivered lecture on Weeds and Herbicides in the programme of Diploma in Agricultural Extension Services for Input Dealers (DAESI) for Birbhum District at RKVK, Visva-Bharati.

17.09.2019. Imparted training and delivered lecture on Weed management in kharif crops in the programme of Diploma in Agricultural Extension Services for Input Dealers (DAESI) for Birbhum District at RKVK, Visva-Bharati.

26.09.2019. Delivered Lecture on "Integrated weed management for production of export quality potato" in "Farmers training for facilitating export quality of potato" organized by Assistant Director of Agriculture (Admin.), at Bolpur Subdivision, Bolpur.

09.11.2019. Delivered Lecture on "Problem of Parthenium and its management" in "Seminar cum Awareness Campaign on Parthenium Weed control, Stubble burning and crop residue management and Water Conservation" organized by State Agricultural Technologists's Association, Bankura district at Raipur, Bankura.

22.11.2019. Delivered Lecture as a resource person on "Concept of Integrated Nutrient Management" in "Training Programme on Fertilizer Application Awareness for Farmers" organized by Rathindra Krishi Vigyan Kendra, Palli Siksha Bhavana, Visva-Bharati, Sriniketan.

10.03.2020. Imparted training and delivered lecture on Integrated weed management in summer (boro) rice in the programme of Diploma in Agricultural Extension Services for Input Dealers (DAESI) course for Birbhum District at RKVK, Visva-Bharati.

21. 09. 2019. Recording and broadcasting a radio talk on "Herbicides and their proper use" by AIR Santiniketan (Recording).

### **S. K. Maity**

8.10.2019. Participated live phone-in programme on Organic Farming for Kissan Vani programme broadcast by All India, Santiniketan.

16.08.2019. Delivered a radio talk on Contingent Cropping for Kissan Vani programme broadcast by All India, Santiniketan.

08.01.2020. Delivered an invited lecture on Soil Health Management in Krishi Mela organized

by Ramakrishna Math and Ramakrishna Mission, Kamarpukur, Hooghly.

**K. Pramanik**

22.11.2019. Invited lecture as resource person for the "Training Programme on Fertilizer Application Awareness for farmers" organized by Rathindra Krishi Vigyan Kendra, Visva-Bharati, Sriniketan. "Fertigation".

11.09.2019. Invited lecture as resource person for the "Training Programme on BGREI for farmers" organized by Office the Assistant Director of Agriculture, Government of West Bengal Bolpur-Sriniketan on "cultivation of Kharif paddy"

16.09.2019. Invited lecture as resource person for the "Farmers Son Training" organized by Office the Assistant Director of Agriculture, Government of West Bengal Bolpur-Sriniketan on "Improved Agriculture"

19.02.2020. Invited lecture as resource person for the "Training Programme on BGREI for farmers" organized by Office the Assistant Director of Agriculture, Government of West Bengal Bolpur-Sriniketan on "cultivation of Wheat"

05.03.2020. Invited lecture as resource person on "improved crop production technique" under "TRFA scheme" organized by Office the Assistant Director of Agriculture, Government of West Bengal Bolpur-Sriniketan on "cultivation of Wheat"

**M. Banerjee**

26.01.2020. Participated in a Radio talk on "Maharshi Debendranath".

05.02.2020. Participated in a radio talk on "Maghotsav 2020" .

03. 2020. Participated in a Radio talk on "Sesame Cultivation" and telecasted in Kisan Bani Programme.

**P. Ghosh**

11.02.2020.Delivered lecture on 'Integrated Nutrient Management in boro rice' in the programme of Diploma in Agricultural Extension Services for Input Dealers (DAESI) course for Birbhum District at Rathindra KVK, Visva-Bharati.

20.11. 2019.Took part as an expert in the Discussion Programme on 'Stubble burning, its cause and effects' at DDK, Santiniketan broadcasted.

19.05.2019.RecordedPhone-in Programme on 'Use and Importance of Green Manure in Agriculture' translated as 'Krishite sabuj sarer gurutto o byabahaar' broadcasted.

**Academic Distinctions:**

**A.K. Barik**

BOS External member, Dept. of Agronomy, BCKV, Mohanpur, Nadia, W.B.

Adjunct Professor/faculty of UBKV, Coochbehar

Councillor of West Bengal, Indian Society of Agronomy, New Delhi.

Member of Editorial Board, Indian Society of Agronomy, New Delhi.

Life member of Indian Society of Agronomy, New Delhi.

Life member of Indian Society of Forage crops, Hisar.

Life member of Indian Society of Soil Biology and Ecology, UAS, Bangalore.

**B.K. Saren**

HOD, Dept. of Agronomy, PSB.

Nominated as an External Member of the Ph. D. Advisory Committee in Agronomy, Department of Agronomy, Institute of Agricultural Science, Calcutta University.

Life member of Indian Society of Agronomy

Life member of Crop and Weed Science Society

**B. Duary**

Councillor of the Agricultural Society of India, Kolkata.

Member, Editorial Board, IJWS.

Life member of International Weed Science Society

Life member of Asia Pacific Weed Science Society (APWSS)

Life member of Indian Society of Agronomy

Life member of Indian Society of Weed Science

Life member of Indian Society of Agricultural Sciences

Life member of Crop and Weed Science Society

Life member of the Agricultural Society of India, Kolkata.

Life member of Indian Science Congress Association

Life member of International Society of Bioresource Environment and Agricultural Sciences

Joint Secretary of Indian Society of Weed Science (2019-21).

**G.C. Malik**

Acting as Deputy Proctor, Visva-Bharati

Acting as Ph.D. coordinator

Acting as Prof. in Charge Security, Visva-Bharati

**K. Pramanik**

Life Member of Indian Society of Agronomy, IARI, New Delhi

Life Member of Crop and Weed Science Society, BCKV, Nadia, West Bengal

Life Member of Indian Society of Soil Biology and Ecology, Bengaluru

Life member of Association of Rice Research Workers (ARRW), Cuttack, Odisha

Life member of International Journal of Bio-resource, Environment and Agricultural Sciences, Santiniketan

Serving as a Member of Anti-Ragging Committee, PSB, Visva-Bharati.

Serving as a Member of Anti-Ragging squads, PSB, Visva-Bharati.

UG coordinator, Palli Sikaha Bhavana

Member of Central Admission Committee, Visva-Bharati.

Secretary, Society of Bio-resource, Environment and Agricultural Research, Santiniketan

Managing Editor, International Journal of Bio-resource, Environment and Agricultural Sciences, Santiniketan

Awarded for securing first position in the Oral presentation of the Research Paper in the theme III on "Zinc biofortification through agronomic approach in aerobic rice under irrigation regime" in the National Seminar on "Agro-Chemical Inputs and its Extension Approaches towards Food Security and Bio- Safety: Prospects & Challenges" organized by State Agricultural Management and Extension Institute-West Bengal, Integrated Rural Development and



Management Faculty Centre & Sasya Shyamala Krishi Vigyan Kendra Ramakrishna Mission Vivekananda Educational and Research Institute, Ramakrishna Mission Ashrama, Narendrapur.

**M. Banerjee**

Acting as Deputy Proctor, Visva-Bharati

Acting as PG coordinator

Life Member, Indian Society of Agronomy, IARI, New Delhi

**N.C. Sarkar**

Life Member, Indian Society of Agronomy, IARI, New Delhi

Life Member, Society for Bioresource and Stress Management, Kolkata, India

In-charge, Placement Cell, PSB, Visva-Bharati

**P. Ghosh**

Life Member of Indian Society of Agronomy, IARI, New Delhi

Life member of Indian Society of Weed Science

Life member of Crop and Weed Science Society

**Publications:**

**Research papers:**

**A.K. Barik**

"Response of nutrient management to growth, yield and economics of pigeonpea + radish intercropping system". Sethy, A. K., Barik, A.K. and Paikaray, R.K. 2019. International Journal of Bio-resource and Stress Management10(4):340-345.

"Studies on growth, productivity and economics of rice as influenced by diversification of rice-based cropping systems in red and lateritic soil of West Bengal".Saha, B., Barik, A.K., Mandal, N. 2020. International Journal of Bio-resource and Stress Management11(2): 108-113

**B.K. Saren**

"Land suitability assessment for potato crop using analytic hierarchy process technique and Geographic Information System." Sinha Chiranjit, Swain Kishore Chandra and Saren Binoy Kmar (2019).Journal of Agricultural Engineering (ISAE):ISSN-0256-6524, 56(3):223-233.

"Drought Management of Jute Crop under rainfed situation in Jute-Rice-Lentil Cropping System". P. K. Hembram, B. K. Saren , A. K. Ghorai and Keya Banerjee, (2019). SATSA Mukhopatra - Annual Technical Issue, ISSN: 0971-975X.23: 121-129

**B. Duary**

"Assessing C-N balance and soil rejuvenation capacity of vermicompost application in a degraded landscape: A study in an alluvial river basin with *Cajanus cajan*."Das, S., Teron, R., Duary, B., Bhattacharya, S S and Kim, Ki-Hyun (2019). Environmental Research,177 (2019): 108591.<https://doi.org/10.1016/j.envres.2019.108591>.

"Allelopathic effect of aqueous leaf extract of selected trees on germination and seedling growth of rice." Mondal, S., B. Duary, B. Mondal and D. Panda (2020).. Journal of Environmental Biology,41:255-260. DOI: <https://doi.org/10.22438/jeb/41/2/MRN-1218>; ISSN:0254-8704 (print); 2394-0379 (online).

"Response of sesame (*Sesamum indicum*) cultivars to weed management by straw mulching with or without pre-emergence herbicide during summer season." Fatima, Ayesha and Duary,

B. (2020). Indian Journal of Agricultural Science,90(11): In press.

"Effect of tillage and weed management practices on weed control and yield of wheat." Pratikshya Rani, B. Duary and Sidhartha Priyatam (2020). International Journal of Current Microbiology and Applied Sciences, 9(06): 2328-2335. doi: <https://doi.org/10.20546/ijemas.2020.906.285>.

"Effect of overall and row application of herbicides on growth, yield and economics of potato (*Solanum tuberosum*).". Das, Santanu, Duary, B. and Jena, Jagadish (2019). International Journal of Chemical Studies, 7(1):354-361. P.ISSN:2349-858; E.ISSN:2321-4902. NAAS rating (2020):5.31.

### **G.C. Malik**

"Effect of pyriftalid + bensulfuron-methyl herbicide on transplanted summer rice under red and lateritic soil of West Bengal". K Mondal, G.C. Malik, K Jana and M Banerjee. 2019. International Journal of Chemical studies, SP6:264-267

"Effect of nutrient management on growth, productivity and economics in rice-based cropping system in lateritic soil of West Bengal". Tanmoy Shankar, Mahua Banerjee, G.C. Malik and Sudarshan Dutta. 2020. International Journal of Chemical studies;8(2):2694-2698

### **S.K. Maity**

"Fertigation effects on elephant foot yam (*Amorphophallus paeoniifolius*) + greengram (*Vigna radiata*) intercropping system." Jata, S.K., Nedunchezhiyan, M., Maity, S.K., Mallikarjun, M. 2019. Indian Journal of Agricultural Sciences, 89(12):2032-36

### **K. Pramanik**

"Response of aerobic rice to irrigation and nitrogen management in red and lateritic soil of West Bengal". S. Duary and K. Pramanik. Journal of Crop and Weed. 15(1): 108-113. 2019. P ISSN:0974-6315, E ISSN:2349-9400.

"Response of aerobic rice to irrigation regimes and method of zinc application on growth and yield during summer season in lateritic soil". Brajagopal Mondal, Kalipada Pramanik and Narayan Chandra Sarkar. Res. on Crops. 21 (1): 1-9. 2020. Print ISSN: 0972-3226. Online ISSN: 2348-7542

"Effect of low dose early post emergence Ready-mix herbicide on complex weed flora, Growth and yield of transplanted Rice crop". Kalipada Pramanik, Maksud Hasan Shah, Rahul Kumar Gupta and Mayank Singhal. Plant Cell Biotechnology and Molecular Biology. 21(7&8):18-26. 2020. ISSN: 0972-2025

"Effect of irrigation regimes and method of zinc application on growth and yield attribute of aerobic rice in lateritic soil". B. Mondal and K. Pramanik. Plant Archives. 20 (1): 1213-1219. 2020. e-ISSN:2581-6063 (online), ISSN:0972-5210

### **M. Banerjee**

"Effect of pyriftalid + bensulfuron-methyl herbicide on transplanted summer rice under red and lateritic soil of West Bengal 2020". K Mondal, GC Malik, K Jana and M Banerjee. International Journal of Chemical studies 2019;SP6:264-267

"Effect of weed management practices on yield, quality and economics of groundnut (*Arachis hypogaea* L.) during summer season 2020". Shalu Kumari, Mahua Banerjee, RK Raj, Antara

Chaudhuri and Sujay Kumar Paul. International Journal of Chemical studies 2020;8(2):2562-2565

"Effect of nutrient management on growth, productivity and economics in rice-based cropping system in lateritic soil of West Bengal 2020". Tanmoy Shankar, Mahua Banerjee, GC Malik and Sudarshan Dutta. International Journal of Chemical studies 2020;8(2):2694-2698

"Effect of pyrifthalid + bensulfuron-methyl herbicide on transplanted summer rice under red and lateritic soil of West Bengal". K Mondal, GC Malik, K Jana and M Banerjee, 2019. International Journal of Chemical studies; SP6:264-267

"Effect of weed management practices on yield, quality and economics of groundnut (*Arachis hypogaea* L.) during summer season". Shalu Kumari, Mahua Banerjee, RK Raj, Antara Chaudhuri & Sujay Kumar Paul, 2020, , International Journal of Chemical studies 2020;8(2):2562-2565.

"Effect of nutrient management on growth, productivity and economics in rice-based cropping system in lateritic soil of West Bengal". Tanmoy Shankar, Mahua Banerjee, GC Malik and Sudarshan Dutta, 2020, International Journal of Chemical studies 2020;8(2):2694-2698

"Comparative performance of chemicals and botanicals on weed management of wheat". Banerjee, Mahua, Mallick, S.R. and Maiti, D. 2019. SATSA Mukhopatra - Annual Technical Issue, 23: 139-145

#### **N.C. Sarkar**

"Effect of different levels of sulphur and boron on the growth and yield of sesame under red-laterite soils". Kumar, B., Sarkar, N.C., Maity, S., Maiti, R. 2019. Research on Crops, 20 (3): 515-524

"Response of aerobic rice to irrigation regimes and method of zinc application on growth and yield during summer season in lateritic soil". Mondal, B., Pramanik, K., Sarkar, N.C. 2020. Research on Crops, 21 (1): 1-9.

"Retrieval of bio-physical parameters in sunflower crop (*Helianthus annuus*) using field based hyperspectral remote sensing". Routh, P.K., Sarkar, N.C., Das, P.K., Debnath, D., Bandyopadhyay, S., Raj, U. 2019. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives. Volume XLII-3/W6. ISPRS-GEOGLAM-ISRS Joint Int. Workshop on "Earth Observations for Agricultural Monitoring", 18-20 February 2019, New Delhi, India

#### **P. Ghosh**

"Effect of different weed management practices on growth and yield of summer sesame (*Sesamum indicum* L.)". Chaudhuri, Antara and Ghosh, Pritam. 2020. International Journal of Chemical studies, 8(1): 2090-2093, P-ISSN: 2349-8528 E-ISSN: 2321-4902.

"Efficacy of fomesafen against broadleaved weeds and productivity improvement in soybean". Ghosh, Pritam and Pramanik, Kalipada. 2020. Plant Cell Biotechnology and Molecular Biology, 21(11&12):53-60, ISSN: 0972-2025.

"Allelopathy a tool for sustainable weed management" by Shirgapure, K.H. and Ghosh, Pritam. 2020. Archives of Current Research International Vol.20, no.3, pp.17-25, ISSN: 2454-7077.

"Burning of crop residue and its management" by Ghosh, Pritam. and Patel, Nirmala. 2020. Satsa Mukhapatra - Annual Technical Issue Vol.24, pp.160-162, ISSN: 0971-975X.

### **Books & Book Chapters:**

#### **B.K. Saren**

"Potential Fishing Zone (PFZ) Forecasting using Satellite Imager". Sinha Chiranjit, Swain Kishore Chandra and Saren Binoy Kmar (2020). Proceeding on Application of Space and Modern Technology in Agriculture and Environment, ISBN: 978-93-84335-35-9, Mukund Publication, Delhi,110051, pp.104-128.

#### **B. Duary**

"ICT based decision tool for weed management in rice and wheat". Virender Kumar, R K Malik, Ashoke Yadav, M K Bhullar Buddhadeb Duary, J S Misra, Sanjoy Saha, Malay K Bhowmick and Mainak Ghosh (2020).Proceedings of the Indian Society of Weed Science Biennial Conference on "WeedManagement for Enhancing Farmers' Income and FoodSecurity", ICAR - Central Coastal Agricultural Research Institute, Goa (India) 5-7 February, 2020. p.11.

"Weed dynamics and management options under different rice establishment methods during Kharif". Bhowmick, M. K., Duary, B., Ghosh, R.K., Maiti, P. K. and Patra, S.R. (2020).. Proceedings of the Indian Society of Weed Science Biennial Conference on "WeedManagement for Enhancing Farmers' Income and FoodSecurity", ICAR - Central Coastal Agricultural Research Institute, Goa (India) 5-7 February, 2020.p.37.

"Weed management in dry seeded rice under different tillage practices in lateritic soil of West Bengal." Jaiswal, D. K. and Duary, B. (2020). Proceedings of the Indian Society of Weed Science Biennial Conference on "Weed Management for Enhancing Farmers' Income and Food Security", ICAR - Central Coastal Agricultural Research Institute, Goa (India) 5-7 February, 2020.p.122

"Weed management in yellow mustard using herbicide and weed mulch in lateritic soil of West Bengal." Sar, K. and Duary, B. (2020). Proceedings of the Indian Society of Weed Science Biennial Conference on "WeedManagement for Enhancing Farmers' Income and FoodSecurity", ICAR - Central Coastal Agricultural Research Institute, Goa (India) 5-7 February, 2020.p.193.

#### **N.C. Sarkar**

"Sustainable Bioresource Management: climate change mitigation and natural resource management." Maiti, R.K., Rodriguez, H.G., Kumari, C.A., Mandal, D., Sarkar, N.C. 2020.Apple Academic Press, USA. Pg. 528. ISBN 978-1-77188-815-8.

### **Other relevant information:**

The department trying to motivate the farmers to grow pulse crops under rainfed situation in Rice-Fallow areas through training, field demonstration as well as transfer of production technologies. Availability of quality crop seeds to the farmers is always challenging task. Production of quality seeds is the only way to overcome the problem of availability of seeds. This department is taking pivotal role to produce certified seeds for the farmers.

## Department of Animal Science

### Publications

#### Research Paper

"Comparative evaluation of in vitro antioxidant activities and high-performance liquid chromatography fingerprinting of fruit peels collected from food processing industry wastes". Ghosh, S., Chatterjee, J. K., & Hazra, A. K. (2019). *Pharmacognosy Research*, 11(4), 346.

## Department of Crop Physiology

The Department of Crop Physiology was carved out by splitting the erstwhile Department of Genetics and Plant Breeding & Crop Physiology on 2nd June 2019. The Department offers different UG courses in Crop Physiology, Seed Technology & Micropropagation Technologies along with some experiential learning module courses such as Seed Production Technology, Molecular Diagnostics, Diagnostic Physiology and Plant Growth Regulators for B.Sc. (Ag) programme. The Department is also offering Ph.D. programme in Crop Physiology along with some supporting courses like Stress Physiology and Mineral Nutrition of Plants for Post Graduate students of other Departments. The research activity of the faculty members of the Department includes some high priority areas such as stress physiology, molecular biology, mineral nutrition, seed physiology, plant tissue culture and plant growth regulators.

### Conference/Seminar/Workshop/Symposium Participated:

#### Debasish Panda

25.09.2019-26.09.2019. Participated and presented paper in the International Seminar on Ecological and Environmental Sustainability: Way forward for Livelihood Security organized by Department of Plant Pathology in collaboration with Hiranmaypur Agri-horticultural Society for Technology and Rural Development, Basanti, South 24 Parganas. Title of presentation: Effect of foliar application of micronutrients and growth regulators on yield attributes of chilli.

16.11.2019-18.11.2019. Participated and presented paper in the International Conference on Road Map for the Development of Rural Tourism in and around Birbhum organized by Visva-Bharati, Santiniketan. Title of presentation: Agro-Ecotourism a Novel Approach of Promotion of Rural Tourism through Agriculture

18.11.2019-20.11.2019. Participated and presented papers in the 21st National Conference on Aerobiology organized by Department of Botany, Visva-Bharati, Santiniketan during 18-20 November 2019. Title of presentation: Morpho-physiological responses of chilli to micronutrients and growth regulators

01.11.2019 -30.11.2019. Participated and successfully completed MOOC Course on "Teaching Excellence" organized by ICAR-National Academy of Agricultural Research Management, Hyderabad

23.02.2020-03.03.2020. Participated in the National Workshop on Data Analysis using Statistical Tools, Techniques and Packages with Special Emphasis on SPSS and R organized by

Department of Agricultural Statistics, Palli Siksha Bhavana, Visva-Bharati, Sriniketan

**Sananda Mondal**

25.09.2019-26.09.2019. Participated and presented paper in the International Seminar on Ecological and Environmental Sustainability: Way forward for Livelihood Security organized by Department of Plant Pathology in collaboration with Hiranmaypur Agri-horticultural Society for Technology and Rural Development, Basanti, South 24 Parganas. Title of presentation: Effect of foliar application of micronutrients and growth regulators on yield attributes of chilli.

16.11.2019-18.11.2019. Participated and presented paper in the International Conference on Road Map for the Development of Rural Tourism in and around Birbhum organized by Visva-Bharati, Santiniketan. Title of presentation: Agro-Ecotourism a Novel Approach of Promotion of Rural Tourism through Agriculture

18.11.2019-20.11.2019. Participated and presented papers in the 21st National Conference on Aerobiology organized by Department of Botany, Visva-Bharati, Santiniketan during 18-20 November 2019. Title of presentation: Morpho-physiological responses of chilli to micronutrients and growth regulators

01.11.2019 -30.11.2019. Participated and successfully completed MOOC Course on "Teaching Excellence" organized by ICAR-National Academy of Agricultural Research Management, Hyderabad

02.12.2019-11.12.2019. Dr. Sananda Mondal participated in the National Workshop in "Advanced application of "R" in Planning, Research & Development organized by A.K. Dasgupta Centre for Planning and Development, Visva-Bharati, Santiniketan during 02 December 2019 to 11 December 2019.

**Publications:**

**Research Papers:**

**Sananda Mondal**

"Impact of micronutrient seed priming on germination, growth, development, nutritional status and yield aspects of plants". Mondal, S. and Bose, B. Journal of Plant Nutrition. Vol 42, no. 19, pp. 2577-2599, 2019, ISSN 0190-4167, DOI: 10.1080/01904167.2019.1655032.

**Debasish Panda & Sananda Mondal**

"Studies on the Response of Potato to Boronated Sulphur". Mondal, S. and Panda, D. Plant Archives. Vol 19, no. 2, pp. 2622-2626, 2019, ISSN 2581-6063.

"Effect of boronated sulphur on the growth and yield of Cauliflower". Panda, D. and Mondal, S. (2020). Ecology, Environment & Conservation. Vol 26 (February Suppl. Issue), pp. S101-S107, 2020, ISSN 0971-765X

"Seed Enhancement for Sustainable Agriculture: An Overview of Recent Trends". Panda, D. and Mondal, S. (2020). Plant Archives. Vol 20 (Supplement 1), pp. 2320-2332, 2020, ISSN 2581-6063.

"Effect of Panchagavya and Jeevamrit on growth and yield of tomato (*Solanum lycopersicum* L.)". Panda D., Padhiary, A. K. and Mondal, S. Annals of Plant and Soil Research. Vol 22. no. 1, pp. 80-85, 2020, ISSN 2347-6036.

"Allelopathic effect of aqueous leaf extracts of selected trees on germination and seedling

growth of rice". Mondal, S., Duary, B., Mondal, B. and Panda, D. Journal of Environmental Biology. Vol 41, no. 2, pp. 255-260, 2020,ISSN 0254-8704.

"Morpho-physiological responses of chilli (*Capsicum annuum* L.) to foliar application of micronutrients and growth regulators". Ghosh A, Mondal S. and Panda D. International Journal of Bio-resource and Stress Management. Vol 11, no. 1, pp. 095-102, 2020, ISSN 0976-4038.

**New Course/Curriculum or any other teaching innovations introduced by the Department:**

One new course Micropropagation Technologies (Course No. CPH311) was introduced in the year 2019-20

## Department of Genetics and Plant Breeding

The Department of GPB, started functioning from 2019. M.Sc. (Ag) in Genetics and Plant Breeding started from Academic session 2015-16 with an intake capacity of six students (at present seven). The department offers various courses on Genetics, Plant Breeding, Plant Biotechnology, Breeding Field Crops and Plant Physiology at U. G. and P.G.level. Besides the U. G. and P. G. courses, the faculty members of the department are also actively engaged in guiding students in research work leading to M.Sc and Ph. D. degree, and extension activities. The faculty members conducted special classes exclusively for the purpose of ICAR, JRF and other competitive examinations.

### Conference /Seminar /Workshop /Symposium Participated:

#### **Nihar Ranjan Chakraborty**

20.01.2020 - 30.01.2020. Participated training programme on "Recent Advances in mutation breeding for crop improvement" to be held at Bidhan Chandra Krishi Viswavidyalaya (BCKV), W.B. in collaboration with Bhabha Atomic Research Centre (BARC) Mumbai.

#### **Sandip Debnath**

20.01.2020 - 30.01.2020. Participated training programme on "Recent Advances in mutation breeding for crop improvement" to be held at Bidhan Chandra Krishi Viswavidyalaya (BCKV), W.B. in collaboration with Bhabha Atomic Research Centre (BARC) Mumbai

15.10.2019 - 30.11.2019. Successfully completed six weeks MOOC with distinction on Detection, Diagnosis and Management of Plant Diseases (MOOCs) organized by ag MOOCs platform of Centre for Development of Technical Education (CDTE), IIT Kanpur, India and Commonwealth of Learning (COL), Canada

Sl.	Name of the Project Co-ordinator/ team Leaders	Name of the Project	Sponsoring Agency	Amount Sanctioned (Rs.)
1.	Nihar Ranjan Chakraborty (PI) Amitava Paul (Co-PI)	Induced mutation for early maturing, semi dwarf and high yielding lines in Aromatic rice Badshabhog	Board of Research in Nuclear Sciences (BRNS), DAE, Govt of India	Rs.27,48,300/- (Total Funding)
2.	Sandip Debnath (Co-PI)	Enhancing food and nutritional security and improved livelihoods through intensification of rice-fallow system with pulse crops	IFAD-ICARDA PROJECT IN SOUTH ASIA	N.A.

### **Extension activities/NSS/Cultural and other activities**

Teachers and students of the Department are actively engaged in the extension activities organized by the Institute from time to time on transfer of technology programmes. This includes



organizing students and farmers in undertaking extension programme, T.V. and Radio programmes etc. The faculty members also participated in various training programmes (organized by Rathindra Krishi Vigyan Kendra, Visva-Bharati, Govt. of West Bengal, NGO's etc.).

#### **Faculty Participation:**

##### **Nihar Ranjan Chakraborty**

Participated on recorded radio programme on "Changing climate and its appropriate cultivation" organized by All India Radio, Santiniketan on 4th Sep., 2019.

Participated on live phone- in radio programme on "Improved Mustard and Sesame cultivation" organized by All India Radio, Santiniketan on 12th November, 2019.

Sandip Debnath

Conducted live Radio programme on "Role of ecology, environment and biodiversity in agriculture" (conducted on 04/01/2020)

#### **Academic distinctions gained by Teachers/Scholars**

##### **Paresh Chandra Kole**

Reviewer of:

Plant Physiology and Biochemistry

3 Biotech

Journal of Environmental Biology

Acted as an External Examiner for M.Sc. (Ag) Thesis evaluation of Uttar Banga Krishi Viswa- Vidyalaya, Pundibari, Coochbehar and Central Agricultural University, Imphal, Manipur

Acted as an External Examiner for Ph.D. Thesis evaluation of Calcutta University, Kolkata.

##### **Amitava Paul**

Life member of the following societies:

Indian Society of Genetics and Plant Breeding, New Delhi

Crop and Weed Science Society, BCKV, Nadia

Biosciences & Agriculture Advancement Society, Meerut

The Indian Science Congress Association

Association for Plant Breeding and Improvement (APBI), CU, Kolkata.

Acted as external examiner and paper setter of different Agricultural Universities (OUAT, Bhubaneswar, BCKV, Mohanpur, UBKV, Pundibari, PAU, Ludhiana)

Acted as evaluator and external examiner for M.Sc and Ph.D thesis of different Agricultural Universities (BCKV, Mohanpur; CAU, Imphal, Manipur; UAS, Dharwad, Karnataka)

##### **Nihar Ranjan Chakraborty**

Life member of the following

Indian Science Congress Association (ISCA)

Association for Plant Breeding and Improvement (APBI), Kolkata

Act as an. External Examiner for setting question paper for B.Sc. (Ag.) Hons. End Term Examination, 2019-20 (GPB-301: Crop Improvement-1, Kharif crops) at UBKV, WB

Act as an. External Examiner for setting question paper for B.Sc. (Ag.) Hons. End Term Examination, 2019-20 (GPB-101: Fundamantal of genetics) at UBKV, WB

Acted as reviewer of research papers:  
Agricultural Research Journals (ARJ)  
International Journal of Plant Breeding and Crop Science  
Industrial crops and products

**Publications:**

**Research Papers:**

**Paresh Chandra Kole**

"GGE biplot analysis analysis for grain yield in chick pea (*Cicer arietinum*) under normal and heat stress conditions". *Indian J. Agril. Sci.* 2019, 89(4): 721-725.

"QTL mapping for heat stress tolerance in chick pea (*Cicer arietinum* L.)". *Legume Res.*, 2019, 20/1/19- 20/319/

"Parental evaluation and polymorphism survey of drought contrasting donor and recurrent parents in rice (*Oryza sativa* L) using microsatellite markers". *Electronic J. Plant Breed.*, 2019, 10 (2), 406-412

"Study on the combining ability and gene action in sunflower through line x tester mating design". *Electronic J. Plant Breed.*, 2019, 10 (2), 816-82

**Amitava Paul**

"Identification of genomic region(s) responsible for high iron and zinc content in rice", *Nature Scientific Reports*, 2019, Vol.9, pp. 8136-8143.

"Radiation induced mutagen sensitivity and chlorophyll mutation frequency on sesame seed", *Journal of Environmental Biology*, 2019, Vol. 40, no.2, pp. 252-257.

"Path analysis of the relationships between fruit yield and some yield components in tomato (*Solanum lycopersicum* L.)" *Journal of Pharmacognosy and Phytochemistry*, 2019, Vol. 8, no. 3, pp. 4666-4671

**Nihar Ranjan Chakraborty**

"Gamma ray induced M2 generation polygenic variability in medium grain non-basmati aromatic rice". *Journal of Biotechnology and Crop Science* 7(11): 119-129.

"Assessment of genetic variability, correlation and path association for yield and yield components in aromatic non-basmati rice". *Journal of Pharmacognosy and Phytochemistry*, 8(3): 1907-1914.

"Exploration and agro-morphological evaluation of rice (*Oryza sativa* L.) land races grown under the upland ecosystem of Tripura". *Journal of Pharmacognosy and Phytochemistry*, 8(3): 2316-2323.

"Induced macro mutational spectrum and frequency of viable mutants in m2 generation of non-basmati aromatic rice". *Journal of Pharmacognosy and Phytochemistry*, 8(3): 2383-2386.

"Study on the combining ability and gene action in sunflower through line x tester matting design". *Electronic Journal of Plant Breeding*, 10 (2): 816-826

"Heterosis study in sunflower (*Helianthus annuus* l.) through line x tester matting design for yield attributing traits". *International journal of current Agricultural Sciences*. 9 (8): 430-433.

"Study the Economic Heterosis Study for Seed Yield, Oil Yield and Yield Attributing Traits in Newly Developed Hybrids in Sunflower (*Helianthus annuus* L.)". *Environment and Ecology*

37 (4): 1265-1274.

"In silico analysis of functional linkage among arsenic induced MATE genes in rice". Biotechnology Reports. <https://doi.org/10.1016/j.btre.2019.e00390>.

"Heterosis study in sunflower (*Helianthus annuus* L.) Through line x tester matting design for yield attributing traits". International journal of current Agricultural Sciences 9 (A): 433-439.

"Gamma ray induced effectiveness and efficiency of chlorophyll mutants in non-basmati aromatic rice". Journal of Biotechnology and Crop Science 8(12): 4-9.

"A Study on Genotypic Evaluation of Green Gram (*Vigna radiata* L.) in respect of Yield and Yield-Attributing Traits in the Coastal Saline belts of Sundarbans, West Bengal". Grassroots Journal of Natural Resources 2(4): 38-44. Doi: <https://doi.org/10.33002/nr2581.6853.02044>.

"Heterosis Study in Sunflower (*Helianthus annuus* L.) for Yield Attributing Traits through Line x Tester Matting Design". Grassroots Journal of Natural Resources 2(4): 13-25. Doi: <https://doi.org/10.33002/nr2581.6853.02042>.

### **Sandip Debnath**

"In silico analysis of functional linkage among arsenic induced MATE genes in rice." Biotechnology Reports, Vol: 26 : e00390.

"Genetic Divergence Analysis in Grasspea (*Lathyrus sativus* L.)". Int. J. Curr. Microbiol. App. Sci Vol: 8, no. 12: pp: 562-567.

"Assessment of Genetic Divergence for Quantitative Traits in *Lens culinaris* Medik". Int. J. Curr. Microbiol. App. Sci Vol: 9no.2 pp: 252-261.

### **Books & Book Chapters:**

#### **Nihar Ranjan Chakraborty**

"Genetic Analysis of Biodeisel Plant (*Jatropha curcas*)". Singh S, Chakraborty N R and Ghosh A (2019 August). Published by International Publisher 'LAP LAMBERT Academic Publishing, Germany, 978-6139909124 (ISBN-13), 6139909120 (ISBN-10)

Popular Articles:

"Conservation of diversity of Folk Rice in West Bengal". Debnath S and Chakraborty N.R. (2020) Food and Scientific Report 1: 1-3.

### **Designing New Course/curriculum or any other teaching innovations**

Studies on agro-botanical characters of different cereals, pulses, oilseeds and vegetables crops are going on which will help identify suitable genotype(s) for direct use as variety and/or indirect use in cross-breeding programme for utilization of heterosis effect in F1 generation or isolation of promising segregants in advanced generation of inbreeding.

Other relevant information:

The department has planned to set up modern and well-equipped laboratories for tissue culture and Molecular breeding work.

## **Department of Horticulture & Post Harvest Technology**

The Department of Horticulture & Post-Harvest Technology started functioning from September, 2016. Since its inception, the department offers various courses on Horticulture and Post-Harvest aspects of horticultural crops at U. G. & P.G. level. Besides the U. G. and P. G. courses, the faculty members of the department are also actively engaged in various extension activities. Moreover, they are conducting Ph.D. Coursework Programme and guiding students in research work leading to Ph.D.degree.

### **Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations**

#### **Candidates qualified ICAR NET Examination 2019:**

**Priyam Chattopadhyay**

**Buddhisatya Dowrah**

**Meghna M.**

**Gangaram Rana**

**Tapashri Baidya**

### **National and International standard Conference /Seminar /Workshop**

#### **Joydip Mondal**

01.02.2020-02.02.2020. National Conference on "Contribution of Dr. B. R. Ambedkar to Modern India" organized by Department of Marathi, Visva-Bharati and SC, ST, OBC Employees Welfare Association of Visva-Bharati, research paper presentation on "Study on Storage of Onion Bulb in South 24 Parganas, West Bengal"

#### **Prahlad Deb**

20.11.2019-21.11.2019. National Seminar on "Cultivation, Conservation and Sustainable Utilization of Medicinal Plants for Livelihood Improvement" at Dept. of Forestry, UBKV, Pundibari, Cooch Behar, research paper presentation on "Medicinal Planta Commonly Used by Tribal Ayurvedic Practitioners of Western Dry Tract of West Bengal"

### **Ongoing Research Projects**

<b>Name of the teacher</b>	<b>Name of the Project</b>	<b>Sponsoring agencies</b>	<b>Amount sanctioned</b>
Dr. Jodip Mondal (PI) and Dr. Goutam Mandal (Co-PI)	Assessment of Efficiency of Three Organic Compounds in Vegetable Cultivation	Krishi Rasayan, Kolkata	Rs. 1.43 lakh
Joydip Mandal (Co-PI) and Kalipada Pramanik (PI)	Bio-efficacy, phytotoxicity and residue of herbicides on transplanted rice, cumin, sunflower and mustard	M/S Parijat Industries (India) Pvt. Ltd.	Rs. 11.7 lakh
Dr. Prahlad Deb	Leaf Tissue Analysis Laboratory National Horticulture Mission through,	Dept. of FPI & Horti-culture Govt. of WB	Rs. 20.0 lakh

### **Extension activities/NSS/Cultural and other activities**

Teachers and students of the Department are actively engaged in the extension activities organized by the Institute from time to time on transfer of technology programmes. This includes organizing students and farmers in undertaking extension programme, T.V. and Radio programmes etc. The faculty members also participated in various training programmes (organized by Rathindra Krishi Vigyan Kendra, Visva-Bharati, Govt. of West Bengal, NGO's etc.).

Department takes leading part in organizing various University programmes such as, 'Halakarshana' and 'Sriniketan Utsava' ('Magh Mela').

Dr. Joydip Mandal was committee member in 'Halakarshana' programme, 2020.

Dr. Joydip Mandal act as Co-ordinator of the Exhibition at Sriniketan Annual Festival (Magh Mela), 6 to 8 February 2020.

Dr Joydip Mandal act as President of the Palli Siksha Bhavana Reunion Committee, the programme was conducted during 11th and 12th January 2020.

Dr Goutam Mandal act as Secretary of the Palli Siksha Bhavana Reunion Committee, the programme was conducted during 11th and 12th January 2020.

Academic distinctions gained by Teachers/ Scholars

#### **Snehasish Chakravorty**

Life Member of the following professional societies

The Society for the Advancement of Horticulture, Mohanpur, W.B.

The Indian Society of Vegetable Science, Varanasi, U.P.

Seed Science Society of Bangladesh, Maymonsingha, Bangladesh.

International Journal of Bio-Resources and Stress Management

The Karnataka Horticultural Society, Arabhavi, Karnataka

External member, Board of Studies, Faculty of Horticulture, B.C.K.V.

Acted as paper setter, external expert of different courses and/or M.Sc. thesis examiner in Horticulture in BCKV (Mohanpur, Nadia), and OUAT (Bhubaneswar, Odisha).

#### **Goutam Mandal**

Life Member of the following professional societies

The Horticultural Society of India

The Indian Science Congress Association

Society for Advancement of Horticulture

Indian Society of Arid Horticulture

Indian Society of Agricultural Engineers

International Journal of Bio-Resources and Stress Management

Acted as paper setter and external/internal examiner of different courses of M.Sc. of horticulture programme of BCKV, Mohanpur, Nadia (WB) and Visva-Bharati, Santiniketan.

Acted as external/internal examiner of thesis M. Sc. Thesis viva-voice in BCKV, Nadia, WB  
Acted as Teachers Warden, Elmhirst Boys Hostel, Sriniketan; Visva-Bharati.

### **Joydip Mondal**

Life Member of the following professional societies

The Horticultural Society of India, New Delhi.

The Indian Society of Vegetable Science, Varanasi, U.P.

The Society for the Advancement of Horticulture, Mohanpur, W.B.

The Orissa Horticultural Society, Bhubaneswar, Odisha.

Indian Journal of Hill Farming, Barapani, Meghalaya.

Seed Science Society of Bangladesh, Maymonsingha, Bangladesh.

Cooch Behar Association of Cultivation of Agricultural Sciences (COBACAS), Cooch Behar, W.B.

Sciences & Agriculture Advancement Society (BAAS), Meerut, UP.

The Karnataka Horticultural Society, Arabhavi, Karnataka.

Indian Society of Alliums, ICAR-DOGR, Rajgurunagar, Pune

Performed as Guest Teacher in Department of Horticulture, Institute of Agricultural Sciences, Calcutta University.

BOS member of Department of Environmental Studies, Visva-Bharati.

Member of the Editorial Board (2019) in the Journal "HortFlora Research Spectrum".

Acted as paper setter, external expert of different courses and/or M.Sc. thesis examiner in Horticulture in OUAT, Bhubaneswar (Odisha) and Calcutta University (Kolkata, West Bengal).

### **Prahlad Deb**

Acting as Post-Graduate Co-ordinator and Laboratory In-charge, Department of Horticulture & Postharvest Technology, Palli Siksha Bhavana, Visva-Bharati, Sriniketan

Life Member of the following professional societies:

The Horticultural Society of India, New Delhi

The Society for Promotion of Horticulture, Bangalore

Fruit Science Society of Bangladesh, Mymensingh, Bangladesh

Hort Flora Research Spectrum, Meerut, Uttar Pradesh

Crop & Weed Science Society, BCKV, Nadia, WB

Journal of Bio-resource and Stress Management, Kolkata

Society for Bioresource, Environment and Agricultural Research

Executive Committee Member of International Society for Minor Fruits, Medicinal and Aromatic Plants.

Member, Editorial Board, International Journal of Minor Fruits, Medicinal and Aromatic Plants

Member of International Society for Horticultural Sciences, Belgium

Acted as paper setter and examiner of different courses of horticulture in Uttar Banga Krishi

Viswavidyalaya, Pundibari, Cooch Behar, W.B. and Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, W.B., Orissa University of Agriculture & Technology, Bhubaneswar, Odisha.

## **Publications**

### **Research Papers**

#### **Snehasish Chakravorty:**

"Enhanced Effect of Nitrogen and Phosphorus on Growth and Yield of Capsicum: A Review". Lodhi, Y; Sangeeta, Chakravorty, S and B.V.G. Prasad (2019) International Journal of Current Microbiology and Applied Science (ISSN NO.: 2319-7706)

"Integrated weed management in chilli + garlic intercropping system". Gasti, V. D. and Chakravorty, S. (2019) International Journal of Current Microbiology & Applied Sciences. 8(01): 3100 - 3110. (ISSN No.: 2319-7706)

"Chemical weed control in chilli + onion intercropping system". Gasti, V. D. and Chakravorty, S. (2019). International Journal of Current Microbiology & Applied Sciences. 8(01): 3111 - 3121. (ISSN No.: 2319-7706)

"Efficacy of herbicidal weed management in chilli + coriander intercropping system". Gasti, V. D. and Chakravorty, S. (2019) International Journal of Chemical Studies. 7(1): 2530-35

#### **Goutam Mandal**

"Effect of nutrients on yield and chemical characteristics of aonla (*Emblica officinalis* Gaertn) cv. Chakiya". Goutam Jangid, Goutam Mandal, Usha Kumari. (2019), Journal of Medicinal Plants, 7(1): 106-108 (E-ISSN: 2320-3862; P-ISSN: 2394-0530)

"Response of zinc and boron sprays on growth and yield of Aonla (*Emblica officinalis* Gaertn) cv. Chakiya". Goutam Jangid, Goutam Mandal, Usha Kumari. (2019), Journal of Pharmacognosy and Phytochemistry, 8(2): 1290-1292 (E-ISSN: 2278-4136; P-ISSN: 2349-8234)

"Qualitative analysis of mango cv. Langra influenced by various postharvest treatments". R Thokchom, G Mandal. (2019) International Journal of Chemical Studies, 7(1): 2167-2172 (P-ISSN: 2349-8528 E-ISSN: 2321-4902)

"Effect of postharvest treatments on physical characteristics of mango". R Thokchom, G Mandal. (2019) Journal of Pharmacognosy and Phytochemistry, 8(1): 2239-2243 (E-ISSN: 2278-4136; P-ISSN: 2349-8234)

"Performance of promising litchi cultivars in Red and lateritic zone of Birbhum". Goutam Mandal and Rocky Thokchom. (2019) Agricultural Science Digest 40(2):144-148 (10.18805/ag. D-4984)

#### **Joydip Mondal**

"Assessment of Vegetable Purpose Watermelon [(*Citrullus lanatus* (Thunb.) Matsum and Nakai] Genotypes Collected from Laterite Belt of Eastern India". S. Mohanta and Joydip Mandal. 2019. Journal of Pharmacognosy and Phytochemistry, 8(3): 2508-2512. E-ISSN: 2278-4136; P-ISSN: 2349-8234.

"Growth, yield and quality of some onion (*Allium cepa* L.) cultivars under Laterite Belt of Eastern India". Joydip Mandal, R. Ajgalley, D. Saha and S. Mohanta. 2019.. Vegetable Science,

46(1&2). 129-131. Print ISSN: 0970-6585; Online ISSN: 2455-7552

"Influence of Organic Soil Amendment on Production Potential of Okra (*Abelmoschus esculentus* L. Moench) cv. Avantika". Souvik Ghosh, Joydip Mandal, P. Acharyya, A. Banerjee and R. Munsii. 2019. *Indian Agriculturist*, 63(1): 27-32. ISSN: 0019-4336.

"Evaluation of some cooking type Watermelon [(*Citrullus lanatus* (Thunb.) Matsum and Nakai] genotypes under Laterite Belt of Eastern India". T. Biswas, Joydip Mandal and Smaranika Mohanta. 2019. *Journal of Crop and Weed*. 16(1): 245-249. P ISSN: 0974-6315; E ISSN: 2349-9400. <https://doi.org/10.22271/09746315.2020.v16.i1.1301>

"A note on morphological characterization of brinjal (*Solanum melongena* L.) genotypes". R. Parida, Joydip Mandal and S. Mohanta. 2019. *Journal of Crop and Weed*. 16(1): 250-255. P ISSN: 0974-6315; E ISSN: 2349-9400. (<https://doi.org/10.22271/09746315.2020.v16.i1.1302>)

#### **Prahlad Deb:**

"Changes in quality of litchi (cv. Bombai) as influenced by postharvest treatments under ambient storage condition". Prahlad Deb and C. P. Suresh. (2019) *Indian Agriculturist*, 62(3&4): 99-105 (ISSN: 0019-4336)

"Hydrogen Peroxide Pretreatment Enhances Antioxidant Properties and Free Radical Scavenging Activities in Tree Bean (*Parkia roxburghii*) Seeds and Pods in Storage". M Premi Devi, M R Sahoo, A Kuna, M Dasgupta, S Mandarapu, Prahlad Deb and N Prakash. (2019) *Nutrition and Food Science*, DOI 10.1108/NFS-07-2018-0195 (ISSN: 0034-6659)

"Effect of edible coating on shelf life of fresh pomegranate arils". Kumar Abhishek and Prahlad Deb. (2019) *Journal of Postharvest Technology*, 7(1): 25-32 (ISSN: 2348-4330)

#### **Books & Book Chapters**

##### **Joydip Mandal**

"Anti-nutritional factors in tuber crops". Payal Panja, Joydip Mandal and P. Tripathy (2019) In: U. Thapa, R. Mondal and P. Tripathy (ed.) *Production Technology of potato and tuber crops*, Today & Tomorrow's Printers and Publishers, New Delhi. pp. 11-24. ISBN 10: 81-7019-636 and ISBN 13: 9788170196365

"Sweet potato". Joydip Mandal and Reva Mondal (2019). In: U. Thapa, R. Mondal and P. Tripathy (ed.) *Production Technology of potato and tuber crops*, Today & Tomorrow's Printers and Publishers, New Delhi. pp. 145-191. ISBN 10: 81-7019-636 and ISBN 13: 9788170196365

##### **Prahlad Deb**

"Lesser Known Plant Species for Food, Nutritional Security and Medicinal Benefit in North Eastern India". Prahlad Deb and C. P. Suresh (2019), In: *Ascertaining Food Security Through Livelihood Enriching Interventions Challenge and Opportunities*, Pandit Jawaharlal Nehru College of Agricultural and Research Institute, Karailak, pp: 39-46, ISBN: 978-93-84446-89-5

#### **Other relevant information:**

Dr. Prahlad Deb attended Hands on Training Programme on "Recent Advances on Mutation Breeding for Crop Improvement" sponsored by Department of Atomic Energy, Govt. of India at BCKV from 20 - 30th January, 2020.



## Department of Plant Pathology

### Departmental Seminar

25.09.2019-26.09.2019. Organized the International Seminar on "Ecological and Environmental Sustainability: Way Forward for Livelihood Security" from Department of Plant Pathology at Jharkhali, Basanti, South 24 Parganas in collaboration with Hiranmoypur Agro-Horticultural Society for Technology and Rural Development, Basanti, South 24 Parganas.

National and International standard Conference /Seminar /Workshop / Exhibition

### Ranjan Nath

25.09.2019-26.09.2019. Participated and presented paper (oral) entitled 'Management of chilli leaf curl disease through chemical control of whitefly' the International Seminar on "Ecological and Environmental Sustainability: Way Forward for Livelihood Security" organized by the Department of Plant Pathology at Jharkhali, Basanti, South 24 Parganas from in collaboration with Hiranmoypur Agro-Horticultural Society for Technology and Rural Development, Basanti, South 24 Parganas.

25.09.2019-26.09.2019. Act as chairman of the technical session -I, (Day-2, parallel session-I) of the International Seminar on "Ecological and Environmental Sustainability: Way Forward for Livelihood Security" Organized by Department of Plant Pathology at Jharkhali, Basanti, South 24 Parganas from .

03.12.2019. Participated in one-day workshop on 'Sugarcane Cultivation Practices' under 'Inclusive Sugarcane development Project' and given invited talk on 'Diseases of Sugarcane' Organised by the Department of Agricultural Extension, Palli-Siksha Bhavana, Visva-Bharati, Sriniketan.

### Mohan Kumar Biswas

30.06.2019. Participated and presented paper (oral) entitled" An Evaluation of antibacterial efficacy of different extracts of *Ocimum gratissimum* L. (Lamiaceae) leaves against some pathogenic bacteria with phytochemical screening." in the International Conference on "Environment, Agriculture and Biotechnology (ICEABT)". Organized by South Asian Research Center (SARC) at Kolkata, India on 06.07.2019. Participated and presented paper (oral) entitled" Isolation and Phylogenetic Identification of Seed borne Mycoflora associated with Rice and Eco-friendly management by *Datura stramonium* with Phytochemical Screening: GC-MS analysis" in the International Conference on "Agriculture, Forestry & Life Sciences (ICAFS-19)". Organized by Institute for Scientific and Engineering Research (ISER) held onat Kolkata, India.

16.01.2020-20.01.2020. Participated and presented paper entitled " Management of wilt disease of lentil (*Lens esculenta* Moench) for sustainable pulse production in West Bengal, India." in the 7th International Conference on " Phytopathology in Achieving UN Sustainable Development Goals". Organized by Indian Phytopathological Society from at IARI, New Delhi, 110011, India.

25.09.2019-26.09.2019. Presented paper entitled" Management of Brinjal wilt (*Fusarium*

oxysporium fsp. melongenae) through FPR and Extension for Sustainable Food Production" and Organized the International Seminar on "Ecological and Environmental Sustainability: Way Forward for Livelihood Security" from Department of Plant Pathology at Jharkhali, Basanti, South 24 Parganas from in collaboration with Hiranmoypur Agro-Horticultural Society for Technology and Rural Development, Basanti, South 24 Parganas.

25.09.2019-26.09.2019. Act as chairman of the technical session -III, (Day-1) of the International Seminar on "Ecological and Environmental Sustainability: Way Forward for Livelihood Security" Organized by Department of Plant Pathology at Jharkhali, Basanti, South 24 Parganas from

### **Bholanath Mondal**

14.09.2019-15.09.2019. Attend and presented paper in the 7th ICSDAP Biennial Conference on 'Social unrest, peace and development' held on at Islamic University, Kushtia, Bangladesh Organized by Islamic University, Kushtia, Bangladesh and ICSDAP. Title of the paper: Kitchen Gardening - A type of family farming to balance nutritional insecurity for the rural people

19.12.2019-20.12.2019. Attend and delivered lecture in the Krishi Unnayan Mela-2019 held on at Suri, Birbhum Organized jointly by Confederation of India Industry and Department of Agriculture, Government of West Bengal. Title of the lecture: Integrated Disease Management.

01.02.2020-02.02.2020. Attend and presented paper in the National Symposium on 'Contribution of Dr. B. R. Ambedkar to Modern India' held on, Organized jointly by Department of Marathi, Visva-Bharati and SC, ST, OBC Employees' Welfare Association of Visva-Bharati in association with Dr. Ambedkar Foundation, Ministry of Social Justice & Empowerment, Govt. of India at Lipika, Visva-Bharati. Title of the paper: Alternative livelihood options for the vulnerable section in the disaster affected areas of Sundarbans in West Bengal, India.

25.09.2019-26.09.2019. Act as Co-Chairman of the technical session -II, (Day-2, parallel session-II) of the International Seminar on "Ecological and Environmental Sustainability: Way Forward for Livelihood Security" Organized by Department of Plant Pathology at Jharkhali, Basanti, South 24 Parganas from .

01.02.2020-02.02.2020. Organized National Conference on "Contribution of Dr. B. R. Ambedkar to Modern India" as Co-Chairman by the Department of Marathi, Visva-Bharati at Lipika from in collaboration with SC, ST, OBC Employees' Welfare Association of Visva-Bharati in association with Dr. Ambedkar Foundation, Ministry of Social Justice & Empowerment, Govt. of India.

25.03.2019-29.03.2019. Completed 5-day (one week) workshop on 'Geoinformatics in Agriculture and Environment' during, organized by Department of Agricultural Engineering, Palli-Siksha Bhavana (Institute of Agriculture), Visva-Bharati, and secure 'A' Grade

03.12.2019. Participated in one-day workshop on 'Sugarcane Cultivation Practices' under 'Inclusive Sugarcane development Project' and given invited talk on 'Integrated Disease Management of Sugarcane' Organised by the Department of Agricultural Extension, Palli-Siksha Bhavana, Visva-Bharati, Sriniketan during

08.01.2020. Attended and deliver lecture in '9th Krishi Mela-2020' conducted by Ramakrishna Mission, Kamarpukur, Hooghly on at Kamarpukur. Topic: Crop health management through

organic intervention.

### Ongoing Research Projects in the Department

Sl.	Name of the Teacher	Name of the Project	Sponsoring Agencies	Amount Sanctioned (Rs. In Lakh)
1.	Prof. Ranjan Nath	Evaluation of Mancozeb and Azoxystrobin Combination against diseases of different crops for two seasons	Coromandel International Ltd. Secunderabad, 500 003	4.68
2.	Prof. Ranjan Nath	Studies on the Bio-efficacy of Two Fungicides (WCPL 6060 & Kresoxim-methyl 44.3% SC) on Paddy.	Willowood Chemicals Private Ltd., New Delhi-110025	5.175
3.	Prof. Ranjan Nath	Studies on the Bio-efficacy of some fungicides on Different crops during Kharif and Rabi season .	Willowood Chemicals Pvt. Ltd., New Delhi-110025	8.32
4.	Dr. Bholanath Mondal	Bioefficacy and phytotoxicity studies of pesticides on different crops for management of crop pests and diseases (Trial 1: Studies on Bioefficacy and phytotoxicity of Fluoxapiprolin 30+Fluopicolide 200SC against late blight of potato. Trial 2: Studies on Bioefficacy and phytotoxicity of Iprovalicarb 8.4% + Copper oxychloride 40.6% WG against late blight of potato)	Bayer Crop Science Ltd.	9.6

5. Dr. Bholanath Mondal Bioefficacy and  
phytotoxicity studies of pesticides  
on different crops for  
management of crop  
pests and diseases. Indofil Industries  
Ltd., Mumbai 49.40

### **Extension activities/NSS/Cultural and other activities**

Teachers and students of the Department are actively engaged in the extension activities organized by the Institute from time to time and simultaneously the department runs a Plant Health Clinic during office hours on all working days for the benefit of farmers. Telephone advisory services in relation to pest management are also extended to farmers.

Diagnostics and advisory services towards sustainable pest management are extended to Directorate of Agriculture, Govt. of West Bengal and different NGO's. In addition to that the faculty members took part in various training programmes organized by Rathindra Krishi Vigyan Kendra, Visva-Bharati including on-farm training to growers in the surrounding villages and also participated in All India Radio and Television extension programmes.

Cleaning of campus was done in collaboration with NSS unit, PSB

Cleaning of campus and the Department was done during the observation of Gandhi punyaho on 10 March, 2020.

### **Ranjan Nath**

Resource person in 'Krishi Darshan' programme organised by Doordarshan, Santiniketan

Resource person in 'Phone in' programme organised by 'Akashvani', Santiniketan

### **Mohan Kumar Biswas**

Act as a resource person in Entrepreneurship Development Course "Automated system for Mushroom cultivation and spawn production" from 02.01.20 to 08.01.20 under National Agricultural Higher Education Project (NAHEP). Organised by Centre of Tropical Mushroom Research and Training, Department of Plant Pathology, College of Agriculture,OUAT, Bhubaneswar.

Act as a resource person in One day farmers training meeting programme under ATMA, Suri-I Block, organised by the office of the ADA, Suri-I Block, and provided lecture, and training on "Mushroom cultivation for livelihood generation." on 14.02.2020 at 11.30 A.M.

Act as a resource person in One day women training programme under ATMA, Ausgram-I, Guskara, Purva Burdwan, Block organised by the office of the ADA, Ausgram-I, Guskara, Purva Burdwan and provided lecture and training on "Mushroom cultivation for village women and income generation." on 03.03.2020 at 11.00 A.M.

Acted as an Expert in the Doordarshan Santiniketan Telecast programme "KRISHI BARTA and discussed on the topic on "Cultivation of Button mushroom on 08.05.2019.

Acted as a resource person in the ALL INDIA RADIO broadcast programme "KISHAN VANI" and delivered lecture on "Micronutrients problems of crops and their management" which was broadcasted on 26.06.2019 at 8.30 P.M..

Acted as a resource person in the ALL INDIA RADIO broadcast programme "KISHAN

VANI" and delivered lecture on "Diseases of rice and its management" 03.09.2019.. Acted as a resource person in the ALL INDIA RADIO broadcast programme "KISHAN VANI" (live hone-in) and delivered lecture on "Control of pest and diseases in vegetable cultivation" 29.10.2019 at 6.30 P.M..

### **Bholanath Mondal**

Attended and delivered lecture as a resource person in one-day awareness programme on 'Anti-counterfeit and safe & judicious use of pesticide' on 12th September, 2019, Organised jointly by the Crop Life India, Department of Agriculture, Govt. of West Bengal and SAMETI-WB, Narendrapur at RKVK, PSB, Visva-Bharati. Topic: Safe and Judicious use of Pesticides.

Attended and delivered lecture as a resource person in DAESI course programme on 12th September, 2019, Organized by RKVK, PSB, Visva-Bharati for Birbhum district. Topic: Safe use of Pesticide.

Made arrangement and given training to 40 numbers progressive farmers came from Balurghat Block, Dakshin Dinajpur under the programme of ATMA from 6th December to 10th December, 2019. Topic: 'Advance Technology on Modern Agriculture'

Attended and deliver lecture as an invited speaker in '9th Krishi Mela-2020' conducted by Ramakrishna Mission, Kamarpukur, Hooghly on 8th January, 2020 at Kamarpukur. Topic: Crop health management through organic intervention.

Participated in different Live-phone-in & Recording programmes of Prasarbharati [All India Radio (Kishan Bani) & Doordarshan (Krishi Darshan)] as an expert and delivered lecture on different topics of agriculture and allied aspects. Some of the important topics are: (a) Nutritional garden (AIR-Santiniketan, broadcasted on 21.05.2019), (b) Integrated Nutrient Management in Paddy (DDK-Santiniketan, broadcasted on 17.07.2019), (c) Prodhon Montri Fasal Bima Yojona & Kishan Credit Card (AIR-Santiniketan, broadcasted on 10.08.2019) (d) Advance preparation of Mustard Cultivation (AIR-Santiniketan, broadcasted on 22.10.2019) (e) IPM on Mustard Cultivation (DDK-Santiniketan, broadcasted on 11.12.2019) (f) Siksha-O-Samaj: Ambedkarer obasthan (DDK-Santiniketan, broadcasted on 17.03.2020).

### **Academic distinctions gained by Teachers/ Scholars**

#### **Ranjan Nath**

Prof. S.B. Chattopadhaya Memorial Award in International Symposium on "Nature, Microbes and Society", during February 6-8, 2020 organised by Indian Mycological Society.

Indian Society of Mycology and Plant Pathology (ISMPP), published the Journal of Mycology and Plant Pathology. Office: MPUAT, Udaipur, Rajasthan.

Coochbehar Association for the Cultivation of Agricultural Sciences (COBACAS), published the Journal of Agriculture and Technology. Office: UBKV, Coochbehar, West Bengal.

Permanent life member of Indian Phytopathological Society, Division of Plant Pathology, IARI, New -Delhi, India publish the Journal of Indian Phytopathology.

Appointed as an External Examiner for Ph.D. thesis evaluation of BCKV, Mohanpur Nadia, West Bengal

### **Mohan Kumar Biswas**

Received SARC Excellent Paper Award (June-2019) from SOUTH ASEAN RESEARCH CENTER, Bhubaneswar, 751030, Odisha, India, on 30.06.2020.

Received Fellow of Indian Phytopathological Society (FPSI-2018) from Indian Phytopathological Society (World Second Largest Plant Pathological Society), IARI, NEW DELHI .110011 on 20.01.2020.

Act as a reviewer of the Indian journal of Phytopathology, IARI, New Delhi, India.

Act as an editorial member of the International Journal of Economic Plants, ISSN: 2349-4727, Pustaka Publishing House.

Act as an editorial member of the Microbioz Journals, Journal of Microbiology and Biomedical Research, ISSN (Online): 2395-5678, Approved by University Grants Commission (UGC).

Appointed as an External Examiner and question setter for the subject of Fundamental of Plant Pathology (PPT-121) of OUAT, Bhubaneswar, Odisha on 16.06.2019.

Permanent life member of Indian Phytopathological Society, Division of Plant Pathology, IARI, New Delhi, India publish the Journal of Indian Phytopathology.

Permanent life member of Indian Society of Mycology and Plant Pathology, Department of Plant Pathology, MPUAT, Udaipur, Rajasthan, India, publish the Journal of Mycology and Plant Pathology.

Permanent life member of the Society for Plant Protection and Environment, OUAT, Bhubaneswar, India. Publish the Journal of Plant Protection and Environment.

Life member of Association for Advancement in Plant Protection, publish the journal of Plant Protection Science.

Member of the Association of Mushroom Society of India, Solan, publish the journal Mushroom Research.

### **Bholanath Mondal**

Received Mahatma Gandhi Life Time Achievement Award on the occasion of 150th Birth Anniversary of Mahatma Gandhi on 27th May, 2019 at New Delhi from IIFS, New Delhi.

Received Fellow honour during 2019 from Scholars Academic and Scientific Society, Assam.

Life member of 'Crop and Weed Science Society' published the Journal 'Crop and Weed'. Office: Department of Agronomy, F/Ag., BCKV, India.

Life member of 'Eastern India Horticulture and Biotechnology Centre' published the Journal 'Green Technology'. Office: Baharu, South 24 Parganas.

Both Founder and Life member of 'Agro-Horticultural Society for Technology and Rural Development'. Office: Vill. + P.O. - Hiranmoypur, Basanti, South 24 Parganas.

Both Founder and Life member of 'Organisation for Assisting of the Throttling World'. Office: Rajbaripara, Jalpaiguri.

Life member of 'Society for Plant Protection and Environment' and published the 'Journal of Plant Protection and Environment'. Office: Department of Entomology, College of Agriculture, OUAT, Bhubaneswar - 751 003, Orissa.

Life member of 'Indian Society of Soil Biology and Ecology' published the 'Journal of Soil Biology and Ecology'. Office: Dept. of Agricultural Microbiology and Entomology, University of Agricultural Sciences, GKVK Campus, Bangalore - 560 065.

Association of Agrometeorologists, published the Journal of Agrometeorology, Office: AAU, Anand, Gujarat.

Indian Mycological Society (IMS), published the Journal of Mycopathological Research. Office: University of Calcutta, Kolkata, West Bengal.

Indian Society of Mycology and Plant Pathology (ISMPP), published the Journal of Mycology and Plant Pathology. Office: MPUAT, Udaipur, Rajasthan.

Association for Advancement in Plant Protection (AAPP), Published The Journal of Plant Protection Sciences. Office: Plant Health Clinic, Directorate of Research, BCKV, Nadia, West Bengal.

Coochbehar Association for the Cultivation of Agricultural Sciences (COBACAS), published the Journal of Agriculture and Technology. Office: UBKV, Coochbehar, West Bengal.

Society of Bio-resource, Environment and Agricultural Research, published the International Journal of Bio-resource, Environment and Agricultural Sciences Office: Abanpalli, Santiniketan, Birbhum, West Bengal.

Fellow member of the Scholars Academic and Scientific Society, Assam.

Andrewspalli Centre for Integrated Development, Andrewspalli, Santiniketan (Sub-centre: Jogesganj, North 24 Parganas under Sundarban region)

## **Publications**

### **Research Papers**

'Isolation and Phylogenetic Identification of Seed borne Mycoflora associated with Rice and Eco-friendly management by *Datura stramonium* with Phytochemical Screening: GC-MS analysis'. Tanmay Ghosh; M. K. Biswas and Kaustav Aika (2019). Journal of Emerging Technologies and Innovative Research, 6(5),701-711 ,UGC Approved listed Journal(UGC S. No. 63975),ISSN: 2349-5162

'Effect of variability and edaphological characteristics on growth of *Sclerotium rolfsii* (Sacc) causing collar rot disease of sunflower in coastal region of West Bengal', India. Maji Atit, Nath Ranjan, Singh Deepak, Garain Prabir Kumar (2019) Legume Research- An International Journal 42(5) PP. 705-709

'An improved and efficient organogenic regeneration protocol using epicotyl segment of in vitro grown Kagzilime (*Citrus aurantifolia*) seedling.' Supratik Palchoudhury; Bikram Saha; Shibu Das; Mohan K. Biswas and Kajal K. Biswas (2019) Journal of Plant Development Sciences 11(7) : 389-395. NAAS-4.57, ISSN-2348-9170 (E) / 0974-6382 (P)

Management of Late Blight of Potato through Fungicides'. Saidul Islam, Rahamatulla Middy and Bholanath Mondal (2019). Journal of Plant Physiology & Pathology, 7(1). (ISSN: 2329-955X, DOI: 10.4172/2329-955X.1000195, IF: 0.92).

An In-Vitro Assay: Employing Different Management Options for Collar Rot Disease of Sunflower Caused by *Sclerotium rolfsii* Sacc. Under Coastal Zone of West Bengal, India. A Maji, R Nath, A Taleb (2020) Int. J. Curr. Microbiol. App. Sci 9 (1), P. 1786-1795

'Determination of level of seed infectivity caused by rice (*Oryza sativa*) seed borne mycoflora: An in-vitro study'. Tanmay Ghosh; M. K. Biswas and Kaustav Aikat (2020). Plant Cell Biotechnology and Molecular Biology 20(23&24):1408-1419, ISSN: 0972-2025

'Isolation and identification of *Trichoderma* spp. through ITS-PCR from Chick pea growing

areas of Andhra Pradesh'. Nagamani P., Bhagat Someshwar1, Viswanath K., Biswas M.K (2020). *Annals of Plant Protection Sciences*,28(1),29-32, NAAS-4.82. Print ISSN: 0971-3573 Online ISSN: 0974-0163

'An Eco-friendly management of seed borne mycoflora of Mustard (*Brassica* sp.) through botanicals and determination of antifungal activity by SEM'. Tanmay Ghosh ; M. K. Biswas and Kaustav Aikat (2020). *Journal of Critical Reviews*, 7(1) 546-561.,E-ISSN:2394-5125

'Effect of different dates of sowing and weather parameters on vector whitefly (*Bemisia tabaci* Gennadius) and incidence of yellow vein mosaic disease in okra (*Abelmoschus esculentus* L. Moench)'. Rosevellina Mohanta, Ranjan Nath, Nitish Kumar Jena and Abinash Mishra (2020)*Journal of Entomology and Zoology Studies*, 8(2) PP 1774-1784.

'Management of Early Blight of Potato through Fungicides under field and laboratory conditions.' Uttam Bouri, Soumen Pal and Bholanath Mondal (2020). *European Journal of Biotechnology and Bioscience*, 8(2): 31-34. (e-ISSN: 2321-9122).

'Influence of edaphological factors on *Sclerotium rolfsii* Sacc., causing collar rot of betelvine (*Piper betel* L.) under coastal saline zone of West Bengal'. Prabir Kumar Garain, Bholanath Mondal and Subrata Dutta (2020). *Plant Archives*, 20(1): 1943-1946. (ISSN: 0972-5210, e-ISSN: 2581-6063).

'Survey of major diseases in mitha pata variety of betelvine (*Piper betel* L.) under coastal saline zone of West Bengal, India.' Prabir Kumar Garain, Bholanath Mondal, Atit Maji and Subrata Dutta (2020). *International Journal of Current Microbiology and Applied Sciences*, 9(3): 2490-2498. (ISSN: 2319-7706, DOI: <http://doi.org/10.20546/ijcmas.2020.903.285>).

'Allelopathic effect of aqueous leaf extracts of selected trees on germination and seedling growth of rice'. Sananda Mondal, B. Duary, Bholanath Mondal and Debasish Panda (2020). *Journal of Environmental Biology*, 41: 255-260. (ISSN: 0254-8704, e-ISSN: 2394-0379, DOI: <http://doi.org/10.22438/jeb/41/2/MRN-1218>,

'Pathogenic Variability of *Ralstonia solanacearum* Causing Bacterial Wilt of Brinjal in Red and Lateritic Agro-climatic Zone of West Bengal'. K. C.Hembrom, R. Nath, B. Mondal and S. Dutta (2019). *International journal of Agriculture, Environment and Biotechnology*, 12(2): 151-156. (ISSN: 0974-1712, e-ISSN: 2230-732X, DOI: 10.30954/0974-1712.06.2019.11, NAAS: 4.69).

## **Books & Book Chapters**

### **Ranjan Nath**

Proceedings of the International Conference on Ecological and Environmental Sustainability: Way Forward for Livelihood Security. A Maji, R Nath, A Taleb (2020) organised by the Department of Plant Pathology, PSB, Visva-Bharati at Jharkhali, Basanti, South 24 Parganas from September,25-26,2019.

### **Mohan Kumar Biswas**

An Evaluation of Antibacterial Potential of Oyster Mushroom (*Pleurotus* sp.) against some Pathogenic Bacteria *Staphylococcus aureus*, *Bacillus cereus*, *Escherichia coli*, *Pseudomonas aeruginosa*, *Salmonella typhi* and *Proteus vulgaris*, Tanmay Ghosh, M. K. Biswas, Kaustav Aikat, and Pradipta Roy (2019). PP-53-61. In: proceedings of SARC, International Conference,



Organized by South Asian Research Center (SARC) at Kolkata, India on 30th June, 2019, ISBN:978-93-89090-56-7

### **Bholanath Mondal**

Proceedings of the international conference on livelihood promotion, bio-diversity conservation and social security in Indian Sundarbans. Bholanath Mondal, Palash Mondal and Indrabrata Bhattacharya eds. (2019). New Delhi Publishers, New Delhi, 1st Edition, 484p. (ISBN: 978-93-88879-26-2).

Ecological and Environmental Sustainability: Way Forward for Livelihood Security. Book of Abstract of an International Seminar, Bholanath Mondal, Mohan Kumar Biswas, Ranjan Nath and Niranjana Jena eds. (2019). held at Jharkhali on 25-26 September, 2019, Organized by the Department of Plant Pathology, Palli-Siksha Bhavana (Institute of Agriculture), Visva-Bharati in collaboration with Hiranmoypur Agro-Horticultural Society for Technology and Rural Development.

Indigenous Knowledge in Ecosafe Plant Protection Biodiversity in Sundarbans Region of West Bengal, India. pp. 387-403. Bholanath Mondal and Palash Mondal (2019). In: Proceedings of the international conference on livelihood promotion, bio-diversity conservation and social security in Indian Sundarbans. Bholanath Mondal, Palash Mondal and Indrabrata Bhattacharya eds. New Delhi Publishers, New Delhi, 1st Edition, 484p. (ISBN: 978-93-88879-26-2).

Propagation of Mangrove species and afforestation through participatory approach in Sundarbans of West Bengal, India. Chandan Kumar Mondal and Bholanath Mondal (2019). pp. 404-410. In: Proceedings of the international conference on livelihood promotion, bio-diversity conservation and social security in Indian Sundarbans. Bholanath Mondal, Palash Mondal and Indrabrata Bhattacharya eds. New Delhi Publishers, New Delhi, 1st Edition, 484p. (ISBN: 978-93-88879-26-2).

Poverty and Sustainable Development in Aila Hit Areas: A Case Study in Sundarbans in West Bengal. Sukumar Pal, Bholanath Mondal, Dednarayan Bej and Sudipta Biswas (2019). pp. 183-197. In: Proceedings of the international conference on livelihood promotion, bio-diversity conservation and social security in Indian Sundarbans. Bholanath Mondal, Palash Mondal and Indrabrata Bhattacharya eds. New Delhi Publishers, New Delhi, 1st Edn., 484p. (ISBN: 978-93-88879-26-2).

Promotion of Alternative livelihood and its impact in the disaster affected areas of Sundarban in West Bengal. Hasanur Mondal, Bholanath Mondal, Subhadeep Tripathi and Musfeka Khatun (2019) pp. 222-232. In: Proceedings of the international conference on livelihood promotion, bio-diversity conservation and social security in Indian Sundarbans. Bholanath Mondal, Palash Mondal and Indrabrata Bhattacharya eds. New Delhi Publishers, New Delhi, 1st Edition, 484p. (ISBN: 978-93-88879-26-2).

Traditional uses of mangroves in Sundarban region of West Bengal. Bholanath Mondal and Chandan Kumar Mondal (2019). pp. 404-410. In: Proceedings of the international conference on livelihood promotion, bio-diversity conservation and social security in Indian Sundarbans. Bholanath Mondal, Palash Mondal and Indrabrata Bhattacharya eds. New Delhi Publishers, New Delhi, 1st Edition, 484p. (ISBN: 978-93-88879-26-2).

Mangrove forest in livelihood opportunities and its conservation through local rituals. Chandan

Kumar Mondal and Bholanath Mondal (2019). pp. 411-419. In: Proceedings of the international conference on livelihood promotion, bio-diversity conservation and social security in Indian Sundarbans. Bholanath Mondal, Palash Mondal and Indrabrata Bhattacharya eds. New Delhi Publishers, New Delhi, 1st Edition, 484p. (ISBN: 978-93-88879-26-2).

**Other relevant information:**

The newly formed Department of Plant Pathology after bifurcation of erstwhile Department of Plant Protection has been accredited by ICAR, New Delhi for its post-graduate teaching. The Department has organized an International Seminar just after the bifurcation of erstwhile Department of Plant Protection.

## Department of Soil Science & Agricultural Chemistry

This department has been separated newly from a composite department called ASEPAN and started its function from October 1, 2016. Now the department consists of three related disciplines of Agricultural Sciences, namely, Soil Science, Agricultural Chemistry and Biochemistry. The activities of the Department are teaching, research and extension work. The Department offers teaching programs both in undergraduate and post-graduate levels. Along with all the departments of the Palli Siksha Bhavana our department also contribute Soil Science and Biochemistry courses offered in the UG program. At present, the department has been offering one post graduate courses namely, M.Sc. (Ag) in Soil science & Agricultural Chemistry. In future, we would like to excel the research capability of the department with sophisticated instrumentation in both P.G. and Ph.D. levels.

Besides teaching and research activities, the teachers and students are involved in extension activities for solving various problems of the farmers in the locality. Recommendations being made from the findings of the investigations carried out by the Department for farmers adoption in crop cultivation, soil and fertility management for improving crop quality and productivity, soil and water conservation. Extensive RAWE program is offered to the UG students.

### **National and International standard Conference /Seminar /Workshop:**

#### **G.K. Ghosh**

24.09.2019, 11th Prof. S.K. Mukherjee Memorial Lecture

15.11.2019-18.11.2019, Indian Society of Soil Science, 84th Annual Convention & National Seminar

#### **P.K. Biswas**

19.2.2019 - 25.2.2019, Resource person for Skill Development Training Course on Bio-fertilizer Production.

#### **M. C. Kundu**

16.11.2019-18.11.2019, International Conference on Road map for the development of Rural Tourism in and around Birbhum.

23.02.2020-03.03.2020, 10 days National Workshop on Data Analysis using Statistical Tools, Techniques and Packages with special emphasis on SPSS and R. Dr. Suchhanda Mondal

15.11.2019-18.11.2019, Indian Society of Soil Science, 84th Annual Convention & National Seminar.

#### **Y. Vasudeva Rao**

01.11.2019-30.11.2019, MOOC Course on Teaching Excellence. ICAR-National Academy of Agricultural Research Management.

05.03.2020-07.03.2020, Basics of Flow Cytometry and its Applications in Biomedical Sciences. Babasaheb Bhimrao Ambedkar University, Lucknow.

## Ongoing Research Projects

Name of Teacher	Name of the Project	Sponsoring Agencies	Amount Sanctioned
Prof. Goutam Kr Ghosh	Soil Health Card (SHC) Scheme since 2016	Centrally Sponsored	45.85 Lakhs

## Extension activities/NSS/Cultural and other activities

Gandhi Punnaha: Cleaning of the department and laboratories were done by the students of the department

## Academic distinctions gained by Teachers/ Scholars

### A.K. Chatterjee

Member of the Executive Council of the University.

Dean of the Institute of Agriculture.

External member of the BOS of the Dept. of Soil Science & Ag. Chemistry, B.C.K.V.

Life members of different societies

### G.K. Ghosh

Joint Coordinator of the Project Implementation Group of DST-PURSE Project.

Vice-principal of the Institute of Agriculture.

Life members of different societies

### P.K. Biswas

Life members of different societies

### S. Mondal

Life members of different societies

### Y.V. Rao

Member of the Project Implementation Group of DST-PURSE Project.

Member of Purchase committee of ICAR Development grant

Life members of different societies

### M.C. Kundu

Life members of different societies

## Publications:

### Research Papers:

"Assessment and mapping of soil nutrient status of Sakoli tehsil of Bhandara district of Maharashtra using GIS techniques", Kashiwar, S. R., Kundu, M. C., & Dongarwar, U. R. (2019). J Pharmacogn. Phytochem. 2019a, 8(5), 1900-1905.

"Combined Effect of Enriched Compost and Microbial Inoculants on Soil Nutrients and Phosphorus Uptake by Rice". Beura, K., Pradhan, A. K., Ghosh, G. K., & Kohli, A. (2019). Int. J. Curr. Microbiol. App. Sci, 8(2), 176-181.

"Delineation and GPS-GIS based mapping of available macro and micronutrients of soils of Lakhani block of Bhandara, Maharashtra", Kashiwar, S. R., Kundu, M. C., & Dongarwar, U. R. (2019). Int. J. Chem. Stud. 2019b, 7(5), 2312-2318.

"Effect of Balanced Nutrient Management on Niger (*Guizotia abyssinica*) in Red and Lateritic Soils of West Bengal", Chatterjee, N., Sahu, G., & Ghosh, G. K. (2019). Int. J. Curr. Microbiol.

App. Sci, 8(5), 1039-1049.

"Effect of Biofertilizer and Micronutrients on Yield of Chickpea". Kumari, N., Mondal, S., Mahapatra, P., Meetei, T. T., & Devi, Y. B. (2019). *Int. J. Curr. Microbiol. App. Sci*, 8(1), 2389-2397.

"Formulation of plant-based insecticides, their bio-efficacy evaluation and chemical characterization". Purkait, A., Biswas, S., Saha, S., Hazra, D. K., Roy, K., Biswas, P. K., ... & Kole, R. K. (2019). *Crop Protection*, 125, 104907.

"Integrated Nutrient Management of Rice Soil in Hilly Region of Meghalaya, India". Warjri, R. C., Majumder, S., Ghosh, G. K., & Saha, D. (2019). *Current Journal of Applied Science and Technology*, 1-10.

"Long-term effect of rice-based cropping systems on pools of soil organic carbon in farmer's field in hilly agroecosystem of Manipur, India". Meetei, T. T., Kundu, M. C., & Devi, Y. B. (2020). *Environmental Monitoring and Assessment*, 192(4), 1-17.

"Photodegradation of Napropamide in Aqueous Methanol under UV Light and Sunlight". Biswas, P. K., Pramanik, S. K., Bhattacharyya, J., Bhattacharyya, A., & Mitra, S. R. (2019). *Pesticide Research Journal*, 31(2), 197-204.

"Productivity, sustainability and economics of rice-rice cropping system as influenced by Zn application". Jena B., Nayak R.K., Biswas P.K., Das J. and Shukla A.K., *International Journal of Agriculture Science* 2019, 11(10): 8437-8440.

"Removal of pesticide residues by mesoporous alumina from water". Mukherjee, A., Saha, S., Ghosh, S., Purkait, A., Biswas, P. K., & Kole, R. K. (2019). *IJCS*, 7(3), 1719-1725.

"Soil fertility appraisal of Bhandara block of Maharashtra using geospatial techniques", Kashiwar, S. R., Kundu, M. C., & Dongarwar, U. R. (2020). *IJCS*, 8(2), 2570-2576.

"Soil Organic Carbon Responses under Different Forest Cover of Manipur: A Review". Meetei, T. T., Kundu, M. C., Devi, Y. B., Kumari, N., & Rajeshkumar, S. (2019). *Int. J. Curr. Microbiol. App. Sci*, 8(2), 2634-2641.

"Studies the Effects of Imidacloprid on Enzymatic Activities in Clay Loam Soil". Purkait, A., Hazra, D. K., Biswas, P. K., & Chowdhury, *International Journal of Trend in Scientific Research and Development* 2019, 3(2): 517-524.

"Sustainable Farmer-friendly Technologies for Management of Natural Resources in Eastern India". Sarkar, A. K., Kundu, D. K., & Ghosh, G. K. (2019). *Indian Journal of Fertilisers*, 15(12), 1406-1428.

"Application of Immunohistochemistry for the detection of pathogen presence in fishes". Y. V. Rao. *International Archive of Applied Sciences and Technology* 2019, 10(1):115-118.

"Distribution of different forms of acidity in some lateritic soils of Purulia district of West Bengal", M.C. Kundu, *International Journal of Chemical Studies* 2020, 8(2): 2690-2693.

"Will the agricultural research suffice to overcome the changing climate?", Y. V. Rao, *Global Journal of Bio-Science and Biotechnology* 2019, 8(1):113-116.

"Available Zinc Status in Relation to Soil Properties in some Red and Lateritic Soils of Birbhum District, West Bengal, India". Nisab, C. M., & Sahu, G. G. M. (2019). *Int. J. Curr. Microbiol. App. Sci*, 8(5), 1764-1770.

"Different fractions of zinc and their relationship with physico-chemical properties in red and

lateritic soils of Birbhum district, West Bengal". Nisab, C. M., & Ghosh, G. K. (2019). IJCS, 7(4), 180-185.

"Dissipation of Acetamiprid Residues in Okra Fruits and Red Soil of West Bengal". Mukhopadhyay, S., & Biswas, P. K. (2019). Pesticide Research Journal, 31(2), 205-210.

"Effect of Bio-Fertilizers and Flumioxazin on Microflora and Yield of Groundnut (*Arachis hypogaea* L.) in Alfisol of West Bengal". Sahoo, M., Mukhopadhyay, S., & Biswas, P. K. (2019). Int. J. Curr. Microbiol. App. Sci, 8(9), 461-473.

"Effect of Imazethapyr 10% SL on soil micro-organism and physicochemical properties of soil", Mukhopadhyay S. and Biswas P.K., Journal of Emerging Technologies and Innovative Research 2019, 6(2): 504-510.

"Effect of sulphur and biofertilizers on growth attributes of sesame (*Sesamum indicum* L.) and soil fertility in red and lateritic soils of West Bengal, India", Das A. and Biswas P.K., Indian Journal of Hill Farming 2019, 32(2): 287-294.

"Effect of sulphur and biofertilizers on sesame (*Sesamum indicum* L.) Yield and quality in red and lateritic soils of West Bengal, India", Das A. and Biswas P.K., Indian Journal of Hill Farming 2019, 32(2): 335-341.

"Enhancing nutrient availability, yield and quality of safflower (*Carthamus tinctorius* L.) through zinc and sulphur in Alfisol". Roy, N., & Ghosh, G. K. (2020). Journal of Pharmacognosy and Phytochemistry, 9(1), 693-697.

"Physico-chemical properties of the latex of *Tabernaemontana divaricate*". Merrine, R., & Rao, Y. V. (2019). Annals of Biology, 35(2), 232-237.

"Plant Growth Parameters and Soil Potassium Pool as Influenced by Potassium Fertilization in Kharif Season Rice". Das, S. P., Ghosh, G. K., Mondal, S., Biswas, P. K., & Kundu, M. C. (2019). Int. J. Curr. Microbiol. App. Sci, 8(3), 1547-1553.

"Vertical Distribution of DTPA Extractable Micronutrients and its correlation with soil properties in selected Soil Profiles of Birbhum District of West Bengal", S. Mandal, S. Mondal, A. Mukherjee, S. Mukhopadhyay, G.K. Ghosh, Science. and Culture 2019, 85(7-8): 281-290.

### **Books & Book Chapters:**

"Indigenous Technological Knowledge for Soil Management -Wisdom Alive in Tripura and West Bengal", Dey D., Kundu M. C. and Saha, N., In: Approaches to Sustainable Development, Chattopadhyay, P. K. and Kushwaha, D. S. (Eds), 2019. Renu Publishers, 90, Sainik Vihar, Mohan Garden, New Delhi-110 059. pp. 83-90. ISBN:978-81-937260-6-8.

"Farmer's Prosperity through Adoption of System of Rice Intensification in Tripura". Dey D., Kundu M.C., Chakroborty A., Nath D., & Debbarma, L., In: Resilience Building and Sustainable Development: Indian Perspective". Chattopadhyay, P. K. and Kushwaha, D. S. (Eds.), 2019. Renu Publishers, 90, Sainik Vihar, Mohan Garden, New Delhi-110 059. pp. 109-119. ISBN: 978-93-88879-11-8.

"Soil Health Management Through Low Cost Biochar Technology".S.K. Das and G.K. Ghosh.In: Biochar Applications in Agriculture and Environment Management. Singh J., Singh C. (Eds), 2019. Springer Nature Switzerland AG. Pp 193-206. ISBN:978-3-030-40997-5. [https://doi.org/10.1007/978-3-030-40997-5\\_9](https://doi.org/10.1007/978-3-030-40997-5_9)

"Vermicomposting - an Eco-friendly Tool of Organic Wastes Recycling for Sustainable Crop Production and Rural Development".Kundu M. C., Biswas P. K., Mondal S., Dey D. and Ghosh G. K., In: Issues in Sustainable Development in India: Present Problems and Future Perspective". Chattopadhyay, P. K. and Kushwaha, D. S. (Eds.), 2019. New Delhi Publishers, 90, Sainik Vihar, Mohan Garden, New Delhi-110 059. pp. 29-36. ISBN: 978-93-86453-44-0.

## **Agro-Economic Research Centre**

The agricultural sector being main source of livelihood in India, was given high priority in economic planning and development in the country with a number of schemes and programmes. For successful implementation of these schemes and programmes, it was felt that region specific problems related to agriculture and allied sector need to be studied for having appropriate feedback from the grass-root level.

The Agro-Economic Research Centre for East India was established in 1954 at Visva-Bharati in tune with the University's long tradition of research in agricultural economics centering around the rural reconstruction programme of Rabindranath Tagore at Sriniketan. The main planks of activities of these centres initially included conducting continuous village surveys, studies, investigations of the fundamental problems being experienced in an agricultural economy and rural development as also to provide technical advice to the central as well as state governments on the issues referred to by them. With the passage of time and with a large number of villages surveyed and resurveyed, the Centre finally switched over to problem-oriented studies, rather than, policy oriented studies. At present, the Centre has been operating in an area which comprises whole of West Bengal, Sikkim and Andaman Nicobar Islands. The Centre became permanent in May, 1990 and stands integrated with Visva-Bharati with effect from April 1995 and being treated as special centre by the recent amendment of statute by the visitor (Honourable President of India) of Visva-Bharati. Since its inception, the centre has been functioning within the Visva-Bharati University, its affairs being governed and managed by the University. The centre is sponsored by annual grants-in-aid from the Ministry of Agriculture and Farmers' Welfare, Government of India, New Delhi.

By 2019-20, this Centre had completed more than 189 studies covering a wide spectrum of subjects pertaining to agricultural growth and development which inter-alia include investment, subsidies, livelihoods, credit, marketing, farm inputs, co-operation, food economics, fisheries, agro-rural industries, etc

### **National and International standard Conference/Seminar/Workshop/Exhibition**

During 2019-20, the Centre organised two National Level Workshop with participation from all the participating AERCs/AERUs in the Country; Ministry of Agriculture and Farmers Welfare, Government of India; Institute of Agriculture, Visva-Bharati; Jawaharlal Nehru University, New Delhi; Pratichi Trust, Santiniketan; etc.

National level 'Project Initiation Workshop on Village Survey Study' in collaboration with Institute of Economic Growth, Delhi University held at Institute of Economic Growth, Delhi during August 1-2, 2019.

National level 'Methodology Workshop on Village Survey Study' held at AERC, Visva-Bharati, Santiniketan during September 29-30, 2019.



### Participation & Presentation of papers by the staff of AERC, Santiniketan

Sl. No.	Name of the Conference/ Seminar/ Workshop	Period	Venue	Participants
1	Workshop on the study 'Per Drop More Crop - PDMC'	25th Sept, 2019	CMA, IIM CMA, IIM	R.K. Biswas D. Roy
2	National level 'Project Initiation Workshop on Village Survey Study'	1-2 Aug, 2019	AERU, IEG, Delhi	B. C. Roy Mr. D. Majumdar B. C. Roy
3	National level Methodology Workshop on Village Survey Study	29-30 Sept, 2019 Santiniketan	AERC, Visva-Bharati,	D. Majumdar K. S. Chattopadhyay V. Dutta R. K. Biswas D. Roy
4	National Workshop on Ministry Sponsored Studies	17-19 Oct, 2019	ADRTC, ISEC, Bangalore	B. C. Roy
5	Review of Agro-Economic Research Centres	22 Jan 2020	ICAR-NIAP New Delhi	B C Roy

### On-going Research Projects

Sl.	Name of the Project Co-ordinator/ team Leaders	Name of the Project	Sponsoring Agency	Amount Sanctioned (Rs.)
1.	Prof. B. C. Roy Dr. Debjit Roy	Impact evaluation study on Per Drop More Crop component of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) in Sikkim.		Rs.170.00 Lakh
2.	Prof. B. C. Roy Dr. R. K. Biswas	Assesment of feed and and fodder in West Beng.	Ministry of Agriculture	
3.	Prof. B. C. Roy Mr. D. Mjumder	Assesment of ratio of different products/forms	and Farmers Welfare,	
4.	Prof. B. C. Roy Mr. K. S. Chattopadhyay	of Spices being marketed: Study on Functioning of Direct Benefit Transfer	Govt. of India	
5.	Prof. B. C. Roy Mr. V. Dutta	(DBT) in Fertilizer at at Retail Points		
6.	Prof. B. C. Roy Mr. V. Dutta	Agricultural Performance Indicators for NITI Ayog		

### **Extension activities/NSS/Cultural and other activities**

Besides organizing workshop and seminar, the Honorary Director, AERC regularly took part in district and state level expert group meetings, and delivered invited lecture organised by the Department of Agriculture, Government of West Bengal. The researchers of the Centre were also regularly participated in various outreach and extension programmes in All India Radio (FM 103.1) and Doordarhan Broadcasting Programme of the following:

#### **Bidhan Chandra Roy**

25.06.2019: Jute Economy in India- Issues & Challenges, (State Level Officers Training under National Food Security Mission, West Bengal; Office of the SDA, Bolpur.

26.08.2019: Expert in television programme on "PM-KMY' in Krishi Darshan, DD, Santiniketan

16.09.2019: Expert in live-phone in programme on "PM-KMY' Kisan Vani, Prasar Bharati, All India Radio, Santiniketan

24.09.2019: Strategies for potato export with special reference to Potato Export Zones in West Bengal; State level training meeting, Bolpur

#### **Ranjan Kumar Biswas**

25.11.2019: Participated as an expert in a Radio programme on "Role of Organic Farming in Reducing Unemployment Problem" in Kissan Vani, All India Radio, Santiniketan

27.11.2019: Expert in television programme on "Jatiyo Krishak Divas o Tar Tatparyoy' in Krishi Darshan, DD, Santiniketan

### **Publications**

#### **Research Papers**

"Performance Evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) in West Bengal". Roy, B. C.; Mondal, B.; Ojha, S.; Biswas, R. K. and Datta, V. (2020).; Agricultural Situation in India, Government of India, January 2020, Vol. LXXVI, No.10, pp-47-49 (ISSN: 0002-1679).

"Livestock Rearing is a Probable Field for Decreasing Poverty- A Discussion". Biswas, R. K. (2019)., Krishi Samachar, 6(1), ISSN: 2347-9663.

#### **Books & Book Chapters**

"Spread of New Varieties of Hybrid Rice and Their Impact on the Overall Production and Productivity". P. K. Basu and D. Roy.; In: Verma, S. and P. C. Bodh (Ed), Glimpses of Indian Agriculture-I, 2018, ISBN: 0-19-948883-5, OXFORD University Press, New Delhi.

"Impact Evaluation of Watershed Development for Rainfed Areas: A Case of WARASA Jan Sahbhagita". K. S.Chattopadhyay, D. Roy and R. K.Biswas.; In: Verma, S. and P. C. Bodh (Ed), Glimpses of Indian Agriculture-I, 2018, ISBN: 0-19-948883-5, OXFORD University Press, New Delhi.

"Understanding the Growth and Prospects of Agro-processing Industries in West Bengal, Bihar and Maharashtra". J. K. Ghosh, F. H. Khan and V. Dutta.; In: Verma, S. and P. C. Bodh (Ed), Glimpses of Indian Agriculture-I, 2018, ISBN: 0-19-948883-5, OXFORD University Press, New Delhi.

"End-Term Evaluation Study in respect of the Implementation of Bringing Green Revolution to Eastern India (BGREI) Programme". D. Majumder, D. Roy and R.K. Biswas.; In: Verma, S. and P. C. Bodh (Ed), Glimpses of Indian Agriculture-I, 2018, ISBN: 0-19-948883-5, OXFORD

University Press, New Delhi.

"Impacts and Constraints of Organic Farming in West Bengal". R. K. Biswas, D. Majumder and A. Sinha In: Verma, S. and P. C. Bodh (Ed), Glimpses of Indian Agriculture-I, 2018, ISBN: 0-19-948883-5, OXFORD University Press, New Delhi.

**Other relevant information:**

The Centre is selected as a National Coordinating Centre for Village Survey Studies to be undertaken by all the AERCs/AERUs in the country. As part of this, the Centre organised two national level workshop, with participants from all the participating AERCs and AERUs in India as well as experts from Ministry of Agriculture and Farmers Welfare and other institutes of repute like; Institute of Agriculture, Visva-bharati, Jawaharlal Nehru University, New Delhi; Pratichi Trust, Santiniketan, etc.

Honorary Director, AERC, was invited and presented the activities of the Centre during last 5 years in the Review Meeting for third Party Evaluation of AER Scheme in the country, held at NIAP-ICAR, New Delhi under the Chairmanship of Prof. Abhijit Sen, Former Member, Planning Commission and Chairman, RAC, ICAR-NIAP, New Delhi.

AERC, Visva-Bharati has uploaded all the financial accounts in EAT module under PFMS and hyperlinked the revamped website ([http://www.visvabharati.ac.in/AERC\\_details.html](http://www.visvabharati.ac.in/AERC_details.html)) with Directorate of Economics and Statistics, Govt. of India (<http://eands.dacnet.nic.in>).

## **SECONDARY & HIGHER SECONDARY INSTITUTIONS**

### **PATHA BHAVANA**

**(Institute of Primary, Secondary & Higher Secondary Education)**

"We... have given an opportunity to the children to find their freedom in nature by being able to love it. For love is freedom: it gives us fullness of existence..."

'A Poet's School' by Rabindranath Tagore

Patha Bhavana is an institute of Pre-primary, Secondary and Higher Secondary Education of Visva Bharati. It holds a very important place in the history of Visva Bharati. More than a century ago, in the idyllic retreat of Santiniketan in 1901, Gurudev Rabindranath Tagore founded his school, Brahmacharyashrama, modelled on the tapovana of ancient India.

The school later grew into a university, Visva Bharati, in 1921. The school was an integral part of the university from the very beginning and continues to be so. It was renamed as Patha Bhavana in 1924. When Visva Bharati was made a central university and an 'Institute of National Importance' by an act of the parliament in 1951, Patha Bhavana was incorporated as one of its institutes.

Tagore wished to give a child the joy of freedom amidst nature in his school. Even today, classes in Patha Bhavana are held in the open air under the shade of trees. Facilities are there to let one's sensitive heart feel a harmony that exists in nature and to be one with it.

Patha Bhavana still upholds Tagore's idea of education, which he conceived going beyond pedantic learning to add to the completeness of an individual. It is still a deviation from conventional institutions. At Patha Bhavana activities are designed to help children to learn the value of innovation and creativity. Students are exposed to nature study, music, dance, paintings, clay modelling, handicraft and other creative assignments along with regular subjects. Every student has to take part in the games & sports. All these are given equal importance in the learning process.

Attending weekly prayer meetings at Upasana Griha every Wednesday and participating in activities of Ashram Sammilani and festivals of the university are parts of the life of being a student of Patha-Bhavana.

Ashram Sammilani is an institution designed by Tagore for inculcating self-governance in students. It has several wings, namely, Sahitya Vibhaga (Literary wing), Seba Vibhaga (Social Service), Paribesh Vibhaga (Environment), Sasthya Vibhaga (Health), Krira Vibhaga (Sports and Games), Aharjya Vibhaga ( Food and Refectory) and Sakha Sangha (Cultural wing). Apart from lessons in self-discipline and self-reliance, the activities of Ashram Sammilani contribute to the holistic development of a child.

Even after a century, Patha Bhavana continues to uphold and practise Tagore's vision of education for fullness. As a part of its vision plan, Patha Bhavana looks forward to upholding

an alternative method of education, where complete and overall development of the child is ensured through creative activities, in-depth research work along with hands on experience in "learning through doing" and generation of knowledge, replacing mundane repetitive gathering of information. Joy, freedom and co-operation, are its basic principles.

Patha Bhavana is primarily a residential school, though there is a facility to study as a day scholar. It imparts education from kindergarten to Class XII. A child is admitted at 4+ years to Mrinalini Ananda Pathshala, the kindergarten unit of Patha Bhavana, established in 1954 and named after Tagore's wife Mrinalini Devi. The students appear in School certificate Examination and Pre-Degree Examination after completion of Class X and Class XII respectively. At present the total number of students of Patha-Bhavana is 1156 out of which 352 are residents and 804 are day scholars.

### **Departmental Seminar**

23.04.2019:- A History workshop on 100 years of the Jallianwallabagh Tragedy, 75 years of the Azad Hind provincial government and 150th birth anniversary of Mahatma Gandhi was jointly organised by Patha Bhavana, Visva Bharati and Maulana Abul Kalam Azad Institute of Asian Studies. Speakers: Sourav Dhar, Swati Prabhu, Dr. Abir Kr. Goral, Sayanti Ganguly, (Research Fellows, MAKAIAS), Smt. Shilpi Mukherjee, Patha Bhavana, Visva Bharati.

03.09.2019: A workshop on Problems of Adolescence for the students of Class VI was organised by Patha Bhavana, Visva Bharati.

07.09.2019-09.09.2019: A workshop on Problems of Adolescence for the students of Class was organised by Patha Bhavana, Visva Bharati.

13th -24th September, 2020: A workshop on Introductory Italian Language Course for the students of Class VII and VIII was organised by Patha Bhavana, Visva Bharati. Conducted by Prof. Urmila Chakraborty, Adjunct Professor, University of Milan, Italy and Nilay Ray, Patha Bhavan, Visva Bharati.

26th November, 2019 : A one-day seminar entitles 'রবীন্দ্রদর্শন : পাঠভবন ভবিষ্যৎ পরিকল্পনা' (Rabindra-Darshan : Pathabhavana : Bhabisyat Parikalpana) was organized on at Patha Bhavana. Speakers: Prof. Amal Pal and Prof. Biswajit Roy of Dept. of Bengali, Visva Bharati, Smt. Susmita Guha Roy, Smt. Chandana Mukherjee, Shri Kishore Bhattacharya, Shri Suchit Chakraborty, Smt. Shilpi Mukherjee, Shri Surojit Sen, Shri Tarit Roychoudhury, Asst. Lecturers, Patha Bhavana, Visva Bharati, Smt. Nibedita Sen, Guest Teacher, Patha Bhavana, Visva Bharati.

**National and International Standard (Conferences / Seminars / Workshops / Exhibitions etc. attended by Teachers in details.**

### **Amitabha Mukherjee**

23.08.2019 - 24.08.2019:- Delivered an invited lecture and Presented a paper in the national seminar entitled 'How Gandhi Matters: Assessing the relevance of Gandhian Solutions for India and the World in the 21st Century' Jointly organised by IAS Shimla & Gandhi Research Foundation, Gandhi Teerth, Jalgaon. The title of the paper "Revisiting Mahatma's Educational Philosophy in the light of the present millennium".

## **Chandrani Mukhopadhyay**

### **Seminar :**

26.11.2019 : Acted as the Convenor in the seminar entitled 'RabindraDarshan : Pathabhavana: Bhabisyat Parikalpana' organised by Patha Bhavana, Visva Bharati.

26.11.2019: Delivered an lecture and Presented a paper in 'RabindraDarshan : Pathabhavana : Bhabisyatparikalpana' organised by Patha Bhavana, Visva Bharati. Title of the paper "Pathabhavaner Bhabisyat Parikalpana"

### **Broadcasting**

28.06.2019- Invited and Participated in a radio programme entitled "Bibortito Mullobodh O Bartaman Prajanmo" broadcast by All India Radio, Santiniketan FM.

26.11,2019 : Invited and Participated in a radio programme entitled " Janmer Diswata Barshe Vidyasagar O Aamra" broadcast by All India Radio, Santiniketan FM.

01.03.2020: Invited and Participated in a TV programme entitled "Sishu Konya Siksha : Ekti Aantasamikkhwa" telecast by DoorDarshan Bangla, Kolkata.

### **Nilay Ray**

08.05.2019-11.05.2019- Invited and Participated in a workshop entitled 'Language, Education and Development' in Bali, Indonesia.

13.09.2019-24.09.2019- Conducted an Introductory Italian Language Course for students at Patha Bhavana, Visva-Bharati.

13.09.2019-24.09.2019: Conducted a Project for Kids - 'A Journey from Story to Story Board Pinocchio' at Patha Bhavana, Visva-Bharati.

### **Partha Pratim Roy**

26.11.2019: Delivered an invited lecture and Presented a paper in 'Rabindra Darshan : Pathabhavana: Bhabisyat Parikalpana' organised by Patha Bhavana, Visva Bharati. The Title of the paper "Future of an Alternative School in India : Patha Bhavana and Beyond."

### **Priti C. Nartiang**

09.11.2019: Conducted an origami workshop with Mr. Krishan Kumar Dixit for the students of Patha Bhavana, Visva Bharati

### **Shilpi Mukhopadhyay**

26.11.2019: Delivered an invited lecture and Presented a paper entitled 'Rabindra Darshan : Pathabhavana : Bhabisyat parikalpana' organised by Patha Bhavana, Visva Bharati. Title of the paper "Rabindranath o Lokasiksha".

23.04.2019 : Invited and Delivered the title lecture as the Coordinator, in workshop on 100 years of the Jallianwallabagh Tragedy, 75 years of the Azad Hind provincial government and 150th birth anniversary of Mahatma Gandhi was jointly organised by Patha Bhavana, Visva Bharati and Maulana Abul Kalam Azad Institute of Asian Studies.

### **Suchit Chakraborty**

26.11.2019: Delivered an invited lecture and Presented a paper in 'RabindraDarshan : Pathabhavana : Bhabisyat Parikalpana' organised by Patha Bhavana, Visva Bharati. The Title of the paper was "Rabindra Darshan : Pathabhavana : Bhavishyat Parikalpana."

## **Publications within the year April 2019 - March 2020 :**

### **Chandrani Mukhopadhyay**

09.05 2019- Daay (Poem), KHOAI (Vol-35) pp- 23,ISSN-2319-8389.

08.08.2019- Biswasi (Poem), KHOAI (Vol-36) pp- 46. ISSN-2319-8389.

24.12.2019- Utsab (Poem), KHOAI (Vol-37), pp- 17, ISSN-2319-8389.

Aamar Smritir Sahar Bolpur, PORIBESH (Vol-25) Journal of Intach, Santiniketan Chap,2019, pp-18.

09.05.2019- Co-editor of 'Khoai' - UGC Care listed Journal - ISSN 2319-8389, Vol. 35.

08.08. 2019: Co-editor of 'Khoai' - UGC Care listed Journal - ISSN 2319-8389, Vol. 36.

24.12.2019: Co-editor of 'Khoai' - UGC Care listed Journal - ISSN 2319-8389, Vol. 37.

### **Jotindra Nath Roul**

"Multi-item Optimal control problem with fuzzy costs and constraints using fuzzy variational principle" in Journal of RAIRO - Jotindra Nath Roul, Kalipada Maity, Samarjit Kar, Manoranjan Maiti, Operations Research, Vol.53, Issue 3, pp. 1061-1082, EDP Science publication, France, 2019/07/01. URL : <https://doi.org/10.1051/ro/2019022>

"Optimal time-dependent production policy under random time horizon", Jotindra Nath Roul, Kalipada Maity, Samarjit Kar, Manoranjan Maiti, Journal of OPSEARCH Vol-57, No.-2, pp-391-413, Springer publication, 2019/09/17. URL : <https://doi.org/10.1007/s12597-019-00407-x>

### **Kishore Bhattacharya**

09.05.2019:Editor 'Khoai' - UGC Care listed Journal - ISSN 2319-8389, Vol. 35.

08.08.2019:Editor 'Khoai' - UGC Care listed Journal - ISSN 2319-8389, Vol. 36

24.12.2019:Editor 'Khoai' - UGC Care listed Journal - ISSN 2319-8389, Vol. 37

### **Priti C. Nartiang**

"Hajong Tribes: Traditional Costumes, Ornaments, Art and Craft" Priti C. Nartiang, Paribesh Patrika of Intach, Vol-25, pp. 59-62. Santiniketan Chapter, 2019.

"Festivals of the Khasis and the Jaintias", Priti C. Nartiang, Art & Deal, North-East India, Special Issue-1, Editor-Siddhartha Tagore and Dr Meghali Goswami. pp-55-59. ISSN- 0258-2074.

### **Shyama Prasad Chattopadhyay**

"Sanatan Hindu Dharma o Maharshi Devendranath Thakur" Shyama Prasad Chattopadhyay Swastika Puja Number 23, September, 2019 RNI No. -5257/57, pp-255-258.

### **Extension activities / NSS / Cultural and other activities organized by the department and participated by the Teachers and students of the Department:**

July 2019- March 2020- Ms. Arianna Kajal Hernandez came to teach at Patha Bhavana under Nehru-Fulbright English Teaching Assistantship Programme conducted by United States India Educational Foundation (USIEF) from

14.04.2019: The students and the teachers of Patha Bhavana actively participated in the programmes organised by the university on the occasion of the birth anniversary of Babasaheb Ambedkar.

04.05.2019- The Students of Patha Bhavana participated in a radio programme entitled

'Astoraag' broadcast by All India Radio, Santiniketan.

09.05.2019(1925 Baisakh, 1426)- The Students of Patha Bhavan performed "Manav Kanya", a compilation of Gurueva Rabindranath Tagore's three dance-dramas 'Shapmochan', 'Chitrangada', 'Chandalika', on the Occasion of Tagore's Birth Anniversary.

21.06.2019- The students of Patha Bhavana participated in different programmes and competitions organised by Visva Bharati on the occasion of International Yoga Day.

28.07.2019- The Students of Patha Bhavana participated in a radio programme entitled 'Badol Baul' broadcast by All India Radio, Santiniketan.

05.09.2019- The Teachers of Patha Bhavana performed Gurudeva Rabindranath Tagore's play 'Chirakumar Sabha' on on the occasion of Teachers' Day.

15.09.2019-16.09.2019- The Students of Patha Bhavana staged two plays by Gurudeva Rabindranath Tagore 'Dakghar' on and 'Tasher Desh' on 16 September 2019 on the occasion of Sharodatsava 2019.

20.09. 2019-An exchange programme was held between the students of Patha Bhavana, Visva Bharati and Patha Bhavana, Kolkata

21.09.2019-22.09.2019- A Science Exhibition of scientific models, posters was organised by Patha Bhavana.

September,2019-An exchange programme was held between the students and the teachers of Patha Bhavana, Visva Bharati and Krishnamurthy Foundation, Rajghat.

December, 2019-.An exchange programme was held between the teachers of Patha Bhavana, Visva Bharati and Thammasat University, Thailand .

Annual Study Tours were organised for different classes in the last week of January 2020 to Rajgir (Class IX), Coohbehar (Class X) and Kalimpong (Class XI).

One day Educational Tour were organised for Class XII to Dwarbasini for Classes VII and VIII to Maithon. and for Classes V to Burdwan on 11 February 2020 and Class VI to Birbhum on 19 February 2020.

21.03.2020- The Students of Patha-Bhavana participated in a radio programme entitled 'Chiranutan Bandhu' broadcast by All India Radio, Santiniketan.

### **Activities of Ashram Sammilani, a Students' Self Government**

The Krira Vibaga of Ashram Sammilani organised Annual Athletics Meet on 17-18 January 2020 with the help of the University Sports Board.

Ashram Sammilani organised Basanta Abahan on 8 March 2020.

The Sahitya Vibaga of Ashram Samillani regularly orgn. Sahitya Sabha, Discussions, Extempore etc.

The Seva Vibaga regularly organised Dan Sangraha and Gram Paridarshana to nearby villages. Apart from these the students of Patha Bhavana participated in different functions and festivals of the university, e.g. Gandhi Punyaha on 10 March 2018, Vasontatsava, Nava Barsha, Tagore's Birth Anniversary, Vrikshoropan, Halakarshan and Ananda Bazaar with a great enthusiasm.

### **The NSS unit of Patha-Bhavana organized and participated in the following activities:**

NSS unit of Patha-Bhavana observed the Independence Day on 15 August,2019 and the Republic Day on 26 January 2020.



NSS Day was observed on 24th September 2019 by the NSS unit of Patha Bhavana. Smt. Debalina Das and Shri Akash Ghosh of Class XII, Patha Bhavana, were given the awards of the best volunteers. Smt. Chaitali Gosh was Awarded the best coordinator of the year. The NSS unit of Patha Bhavana actively participated in Ekta Divas Celebration on 28 October, 2019 on the occasion of Sardar Ballvbhai Patel's birth anniversary.

Apart from these the students of the NSS unit participated in various functions and festivals of the university like Pous Mela and Gandhi Punyaha.

**Academic Distinction gained by the teachers:**

A. Dr. Priti C. Nartiang was awarded the Doctor of Philosophy (Ph.D.) by the Department of History of Art, Kala Bhavana, Visva Bharati on 27th August 2019 for her thesis entitled "Traditional Costumes of the Khasis and the Jaintias of Meghalaya: Their Cultural and artistic significance.". B. Dr. Suranjima Saha was awarded the Doctor of Philosophy (Ph.D.) by the Department of English, Bhasa Bhavana, Visva Bharati on 6th August 2019 for her thesis entitled "Contact Zone : Indian Travellers to Britain, 1757-1857".

## SIKSHA-SATRA

### **Name of the Department: Siksha-Satra**

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department:

Like every year this year also, the students of Siksha-Satra wholeheartedly and successfully engaged themselves in various functions and festivals of Visva-Bharati. They took part in study tour, picnic, sports, weekly prayer in Upasana Griha, celebration of Foundation Day at Sriniketan, Sahitya Sabha, Science Meet, Publication of Wall Magazine, Briksharopana, Halakarshana, function and celebration of Nababarsha, Republic Day, Independence Day and Anandabazar.

On 9th May, 2018, the birthday of Tagore was celebrated by a brilliant dance drama 'Chitrangada' performed by the students of Siksha-Satra, at Gourprangana. This dance recital was repeated at Rabindrasadana, Kolkata. The little performers were applauded greatly by the audience there.

On 21st June, International Yoga Day, the students of Siksha-Satra participated in the inter-school Yoga competitions and were awarded with many prizes.

The students of Siksha-Satra arranged a photography exhibition well as competition from 24th - 26th August, in order to celebrate International Photography Day.

During Sharodotsav (Drama Festival), the students enacted two plays - one was 'Kamalasundarir Pala' based on Tagore's story 'Musalmanir Golpo' performed by the senior students. The second play was 'Juto Abiskar', the dramatized version of Tagore's poem 'Juto Abiskar', performed by the junior students. Later, on 12th October and 16th November, 'Juto Abiskar' and 'Kamalasundarir Pala', were enacted at Bolpur High School and Lipika Auditorium respectively. In Anik Drama Festival, 2018, the students performed the play 'Sadabhut and Kalobhut'. It was awarded with many prizes like the best production, the best director, the best playwright, in the State Level. The students too received awards like the second best actress at Burdwan, and the best actress in the State Level.

On 2nd September, Annual Art and Craft exhibition was inaugurated by the Vice-Chancellor at Nandan, Kala Bhavana. It continued till 4th September.

During this academic session, the students participated in various games and sports events under Block, Sub-Division, District, and State Level. Budhadeb Konra of Class-IX ranked fourth in the Discus Throw event under State Level. The girl students regularly practised Cricket, Badminton and Dodge ball throughout the year.

The NSS students engaged themselves in various activities like taking part in the march past of Republic and Independence Day, being volunteers in Basanta Utsav, Magh Mela, Poush Mela, participating in green project that is tree planting, awareness program for saving nature. They also organized a blood donation camp and took part in a seven-day village camp for the village welfare. Besides, on 13th September, the NSS students joined in an awareness rally for cleanliness. From 1st to 15th September Swachha Bharat Pakhwada was observed. Moreover, this year in the Yoga Competition organized by Visva-Bharati, Siksha-Satra NSS

unit ranked first. On 22nd September, the girl students of Class -XI and Class -XII, along with their mothers, enjoyed a counselling programme regarding the adolescence problems and their solutions. The students also celebrated NSS day on 24th September.

NCC unit of Siksha-Satra also took part in various activities throughout the year. On 21st January and 15th August, two troops of students performed well in the march-past. NCC junior division boys ranked second position.

The Service and Healthcare Department of Siksha-Satra remained busy actively. The fund for the social service was collected by the students and teachers at nearby places like Surul, Rathindra Pally etc.,. Moldanga and South Harirampur Primary Schools were gifted with relevant books for children and almirah.

Siksha-Satra students succeeded in different competitive examinations. They took part in the examinations organized by Science Olympiad Foundations (SOF) Snehanshu Shekher Saha of class 5, Md. Rijwanul Basir of Class -VII, Samadrita Sarkar of class 9, Arghya Garai, and Md. Sirajul Basir of Class-XII qualified in the second round. In the Science Talent Search competition organized by West Bengal Science Forum, they successfully qualified.

The students of Class-IX joined in a workshop, Activity Based Science Learning, at Patha-Bhavana. The Rain Water Harvesting model and the Blood Circulation Chart, made by them, were awarded with third and first positions, respectively.

This year Child Talent Search competition was arranged by Anandamela Magazine. The students of Siksha-Satra were placed in first, second, and fifth ranks in the creative composition and painting competition.

Publications within the year April 2019 - March 2020. i) Text books, ii) Other books, iii) Monographs, iv) Research Papers, v) Number of paper published in Peer/ reviewed journals:

#### **Department/ Bhavana Publication:**

##### **Gopinath Mondal**

"Magnetohydrodynamic Heat and Mass Transfer of Sisko Nanofluid Past a Stretching Sheet with Nonlinear Thermal Radiation and Convective Boundary Condition",Gopinath Mondal, Journal of Nanofluids, Vol.8 No.4,pp. 852-860, 2019.

"Magnetohydrodynamic nonlinear thermal radiative heat transfer of nanofluids over a flat plate in a porous medium in existence of variable thermal conductivity and chemical reaction", Gopinath Mondal, International Journal of Ambient Energy, pp.1-11,2019.

"Heat and mass transfer of a non-Newtonian Jeffrey nanofluid over an extrusion stretching sheet with thermal radiation and non-uniform heat source/sink",Gopinath Mondal International Journal of Computational Thermal Sciences DOI: 10.1615/ComputThermalScien. 2020025241,2020.

#### **Designing New Course/ Curriculum or any other teaching innovations introduced by the Department.**

Siksha-Satra has introduced 2-year Pre-Degree programme from the academic year 2009-10. The Institute has plans to improve the existing infrastructure for the students and provide better scope for teacher-student interaction. There are plans to provide platform for the students to bring out their talents in the fields of music, fine-arts and other performing arts apart from

other activities. Organizing regular workshops and seminars by the students in different subjects will be a part of the future curriculum of the Institute.

### **SIKSHA SATRA : THE POET'S SCHOOL**

Siksha-Satra, an integral part of Visva Bharati, was established on 1 July 1924 as an experimental institute at Santiniketan at the residence of Santosh Chandra Majumder who was also entrusted with the administration of the Institute. After his sudden demise in 1926, Siksha-Satra was shifted to Sriniketan under the charge of Palli Sangathan Vibhaga in the year 1927.

Rabindranath had rightly conceived that Siksha-Satra would perform the most significant function of Sriniketan, in helping students to the attainment of manhood complete in all its various aspects. Accordingly, Siksha-Satra plays a key role to fulfil Tarore's dream. The primary objective of Siksha-Satra was to educate one's limb and mind not merely to be in readiness for all emergencies, but also to be in perfect tune in the symphony of response between life and the world. The Poet confesses, '... I myself attach much more significance to the educational possibilities of Siksha-Satra than to the school and college at Santiniketan which are everyday becoming more and more like so many school and colleges of this country: borrowed cages that treat students' minds as captive birds whose sole value is judged according to the mechanical repetition of lessons prescribed by an educational dispensation foreign to the soil.' He had visualized that the 'Poet's School' would one day realize his dreams.

Mahatma Gandhi came to visit Siksha-Satra in 1925 and became so pleased with its activities that he wanted to borrow the services of the Headmaster of Siksha-Satra for giving shape of his own plan of Basic Education. The Basic Education of Mahatma Gandhi started in the year 1937. The activities of the students of Siksha-Satra and the ideals of Rabindranath inspired Gandhi to think in terms of Basic Education.

Regarding the curriculum of Siksha-Satra, there was no specific syllabus (or recommended books). There was freedom of learning Literature, Mathematics, Agriculture, Animal Husbandry, Music, Drawing, Modelling, Weaving, Nature-study and Health and Hygiene. The School was entirely residential and the students had to perform all the chores of the hostel like shopping, keeping accounts, cooking and making the environment clean. Achieving efficiency in any of the craft subjects by the students was remunerated by providing job opportunity. From 1924 to 1940 various educational experiments were undertaken as far as the activities in Siksha-Satra were concerned. However, pressure for formal education from the guardians of the students during the Forties reshaped the educational pattern here and formal course of study and books were recommended sometime after this period. Visva-Bharati became a University in 1951 by an Act of the Parliament which brought a significant change in the educational structure of Siksha-Satra. In 1954 a non-residential, aided, girls school was merged with Siksha-Satra and it was converted into Class-X School. New subjects of study were introduced in the syllabus. The first batch of students from Siksha-Satra appeared in the Higher School Certificate Examination of Visva-Bharati in 1962.

Apart from the students from local villages several students from urban areas started joining Siksha-Satra. Non-Residential students were also admitted to the School which changed the

initial structure of imparting education. Admission to the residential students was stopped during 1972 because of political instability and from 1976 Siksha-Satra became a fully non-residential School. In 1982 Siksha- Satra became an independent unit gaining its complete administrative control. The Junior Division of NCC unit was opened at Siksha Satra in 1982. In 1988, Santosh-Pathshala, the Kindergarten section at Sriniketan was opened under the administrative control of Siksha-Satra which later became an integral part of the Institute.

In respect to objective, curriculum, pedagogy and methodology, Siksha-Satra today functions as a non-residential institution parallel to the other Institute at Santiniketan under Visva-Bharati offering several subjects of study unique to its nature. The students of Siksha-Satra appear in the School Certificate Examination after Class-X and Pre-Degree Examination after Class-XII conducted by Visva-Bharati. Today, apart from formal education, students also learn weaving, wood work, agriculture, artistic handicraft, painting, modeling. Dance and music classes also play a vital role to nourish the concept of complete education.

### **Origin of the Siksha-Satra Model**

Tagore's Brahmacharyasram model of education originated from the sensitivity of a poet's mind which made him feel the uselessness of the then system of joyless, freedomless, non creative education. He abandoned his formal system of schooling compelled by that sensitivity alone. Tagore wrote that, "It may be that if I had been little less sensitive, I could gradually have accommodated myself to the pressure and survived long enough to earn my University degrees". That sensitivity also compelled the poet to nurture the feeling for about forty years and the final outcome was the 'Brahmacharyashram' experiment at Santiniketan in 1901 with not more than ten boys including his son, to impart an ideal education he cherished. This model may be termed as the 'Santiniketan model of education'. His aversion towards the then system of education was so strong that he abandoned his own formal schooling as a protest and his commitment to his own model was so high that he included his son as one of the samples in the experiment. In the passage of time there cropped up various obstacles which curtailed his freedom of experiment. So to get back to the unrestricted freedom of experiment he established another school, Siksha-Satra on 1st July 1924, with six poor village boys as sample and continued the experiment till his death in 1941. This model may be termed as the 'Siksha-Satra' model.

### **Goal and Activities of the Siksha-Satra Model**

Gurudev's goal of education was complete man-hood or harmonious and fullest development of all human faculties. Modern educationists have divided the total human faculty into three domains for economy of thought. These are cognitive domain, affective domain and psycho motor domain but Tagore introduced two more domains : the subconscious domain and spiritual domain; and advocated balanced integration of all these domains. Tagore wrote : "Children have their active subconscious mind which like tree has power to draw food from the surrounding atmosphere. For them the atmosphere is a great deal more important than rules and materials, equipment, text book and lessons." Tagore used education of the subconscious domain as a means to education of the conscious domain. For this he attached great importance on the natural environment and close contact with teachers in his scheme of education which

he assumed as the main source of education of the subconscious domain.

Again if joy is the ultimate goal of life and education is the means to attain the goal then the source of eternal joy, which is known as divinity within a man and its manifestation may be termed spirituality, so the education for spirituality cannot be ignored for theoretical completeness of an educational model at least in Indian context. Whether the two new concepts; education of the subconscious mind and education for spirituality are still valid in the present day context is a point that may be considered by the learned speakers

The five domains mentioned above are interrelated if we respect the concept of organic wholeness of human individuality. Tagore prescribed a set of activities with the assumption that if children are processed through these activities the product will be a balanced development of all these five domains and consequently it will facilitate the attainment of complete manhood, where the originality of Tagore lies. A particular educational activity may cover the development of more than one domain at a time. Now if we want to put the model into methodical experimentation then the total activities as proposed by Tagore, after necessary addition and alternation under present day compulsions, have to be separated domain-wise and sequenced in order of their usefulness, depending on their degree of loading for a particular domain. This work is absolutely necessary to make the model operational. So this may be taken as a part of discussion in this seminar. Again relevance of the present day demarcation of total school activities as curricular, co-curricular and extra-curricular in Tagore's model may also be taken up as a point of discussion.

### **Rural Extension Activities in Siksha Satra**

Several rural extension programs are undertaken in Siksha Satra in the form of Camps, organised by the NSS unit, every year. Teaching and cultural activities are undertaken as a part of the exchange programme in these camps along with several other activities:

**Future Plans :** Siksha-Satra aspires to become one of the leading centers for school education. It envisages some major initiatives like provisions for residential facilities for the students, upgrade games and sports facilities, a self sufficient laboratory unit, structural extension for holding classes, considerably larger teacher rooms, a language laboratory and a seminar hall. It is heartening to know that Siksha-Satra has a new science building with laboratory constructed a few years back. However, modern equipment have to be procured for providing classes X-XII proper laboratory facilities. We expect, in this academic year we will be able to provide our students with necessary amenities.

**Residential Facilities:** One of the pre-conditions for establishing Siksha-Satra was to make it fully residential in nature. Tagore had a vision of establishing a school where young learners will come in close contact with nature and grow up with the guidance of teachers and other members of the institution. Therefore we have a plan to make Siksha-Satra a fully residential school by providing hostel facilities for about 900 students.

**Games Complex:** Siksha-Satra has a plan to build a separate games complex inside the periphery of the school comprising of a concrete basketball ground, multi-gymnasium and a football and a volleyball ground. The fencing of the Siksha-Satra ground is in progress. Temporary cricket pitch is also set up on the said ground.

**Laboratory:** Siksha-Satra has plans to develop fully equipped laboratory for Geography, Physics, Chemistry and Life Science to provide learning facilities to the students of classes IX to XII. A gas plant unit for chemistry will also be set up shortly.

**Language Laboratory:** It has been our long time plan to develop an English language laboratory to provide better learning potential for the students.

**Computer Laboratory:** A fully equipped computer laboratory will be set up for the senior students.

**Library:** Siksha-Satra has plans to set-up a new library with all essential provisions for the students.

**Toy Museum:** A toy museum will be set up for the KG Students of Santosh Pathasala.

## OTHERS

### **Official Language (Rajbhasha) Cell**

To implement the Official Language Policy of the Government of India in Visva-Bharati, the Rajbhasha Cell was established in March, 1993.

The Rajbhasha Cell has two broad programmes, viz

1. Implementation Programme
2. Training Programme

#### 1. Implementation Programme

It is the administrative part of the Cell. The Rules and Regulations relating to implementation of the Official Language (Rajbhasha) Policy issued by the Govt. of India from time to time are implemented as prescribed for Region "C" to which Visva-Bharati belongs. The Cell also extends Support to other departments in translation matters.

#### 2. Training Programme

The first programme of implementation policy of the Govt. of India is the compulsory training in Rajbhasha Hindi to all the Non Hindi speaking staff from grade C onwards for acquiring working knowledge in Hindi. Visva-Bharati has been participating in this programme since July, 1994. Visva-Bharati has a full time Centre for training in Rajbhasha Hindi in the premises. Visva-Bharati has also incorporated the staff-members of the other Central Govt. Organisations located at Bolpur for training in Rajbhasha Hindi for acquiring working knowledge in Hindi from July-December, 2001. It was non-functional from 2002 to 2005. It commenced functioning again from 2006 onwards.

Activities.

- i. Under the training programme 31 Staff-members have completed (Pragya) the prescribed courses of Hindi Teaching Scheme of Govt. of India conducted at Visva-Bharati, Santiniketan Centre during the year 2019-20.
- ii. Rajbhasha Cell conducted TOLIC Meeting on 28.05.2019 in Vice-Chancellor's office Conference Hall, Visva-Bharati. Prof. Rabindranath Mishra, HoD Hindi, presided over the meeting.
- iii. Hindi Workshop organized on 24.06.2019.
- iv. OLIC Meeting - Organised on 23.06.2019 and 28.09.2019 in Vice-Chancellor's office Conference Hall, Visva-Bharati.
- v. Hindi Translation of Annual Account & Internal Audit report 2019-20.
- vi. Organisation of an international Seminar in collaborations with Arabic, Islamic Studies and Urdu departments.



## RABINDRA BHAVANA

The work of Rabindra-Bhavana was initiated soon after Rabindranath's death on 1 July, 1942 inside Udayana building in Uttarayana complex under the guidance and patronage of Rathindranath Tagore who donated his father's belongings including books, manuscripts, paintings and memorabilia for the development and formation of a Tagore research centre and museum at the place now known as Uttarayana Complex, Santiniketan. Soon the necessity of a separate building was felt and the Vichitra building or Rabindra-Bhavana was inaugurated by Pandit Jawaharlal Nehru in the birth centenary year of Tagore in 1961. Gradually Rabindra Bhavana went on to become the greatest repository of Rabindranath's manuscripts, photographs, paintings and personal belongings attracting a huge number of tourists and Tagore scholars from India and abroad. It comprises an Archive, Library, Photo Archive and Reprographic Unit to cater to the needs of Tagore researchers and scholars throughout the year. The Museum offers information on the life and works of Tagore and his illustrious family. The museum galleries and five residential houses of Tagore inside Uttarayana complex remain the focal point of attraction for tourists all over the world. The Preservation Unit has been established to restore and conserve Tagore manuscripts, rare books, periodicals and paintings. Santiniketan Griha built in 1863 by Maharshi Debendranath Tagore happens to be the oldest building at Santiniketan and was converted into a museum by Visva Bharati in 2008. Like Santiniketan Griha and Lipika Manuscriptorium, Bangladesh Bhavana also falls under the administrative jurisdiction of Rabindra Bhavana. Achievements of Rabindra-Bhavana in the financial year 2019-20 is presented below:

### MUSEUM

Rabindra-Bhavana Museum is a biographical museum on Rabindranath Tagore with a huge collection of 4385 memorabilia and artifacts as on 31.03.2020. A part of this collection has been displayed in different galleries and rest of the collection is preserved in Museum Store and Strong Room. Located on the first floor of Vichitra building, the main gallery emphasizes on the Life of Rabindranath. The Gitanjali Gallery on the ground floor of Vichitra is a special gallery on Rabindranath's Nobel-winning book of poems Gitanjali. Apart from the six historical houses of Rabindranath and his family at Uttarayana Rabindra-Bhavana two galleries have been set up on the life of Rabindranath's father Maharshi Debendranath Tagore (Debendra Kaksha) and his eldest brother Dwijendranath Tagore (Dwijendra Kaksha) at the Santiniketan Griha. Two separate galleries on the illustrious women of the Tagore family (ঠাকুরবাড়ির সীমন্তিনীরা) (and 'Brahma-Vidyalyaya to Visva-Bharati') ব্রহ্মবিদ্যালয় থেকে বিশ্বভারতী remains a part of the Gitanjali Gallery. Besides, Guhagar which was the studio of Rabindranth's eldest son and artist Rathindranth Tagore has been converted into a museum on this polymath.

The footfall in the Museum (April 2019-March 2020) is as follows:

Adult visitors: 176519, student visitors: 58562, foreign visitors: 634

The Museum Shop earned a total of Rs. 8,18,800/- selling miscellaneous memorabilia on Rabindranath Tagore.

## ARCHIVES

Rabindra-Bhavana Archives is considered to be the largest repository of Tagore's original manuscripts, correspondences and paintings gifted by Tagore connoisseurs from all over the world. The archive is the focal point of activities related to Tagore Research. Total 152 Academicians and Researchers from different parts of the country and abroad visited the Archives during this financial year (2019-20). Presently the unit is serving the academicians and scholars by providing digitized images (DVD, JPEG and TIFF Image) for research purpose and exhibitions. Original documents are being preserved in the Rabindra Bhavana in an environment controlled strong room.

To make the Archive more scholar- friendly Smart card for every scholar had been introduced in July 2018. Separate files for each scholar have been prepared; Ten(10) computer terminal have been connected through N- computing device, digital photographs of AV unit of Tagore and others have been shown to the scholar as Archival service, Additional photocopies (Xerox) of archival materials and 'Patha Bhavana Protibedan khata' are getting scanned through overhead official scanner. The Archive is providing temporary registration on urgent basis to scholars for a few days of a week. Besides this Rabindra Bhavan's Library digital collection is storing in archive's server. The Unit has already completed the first part of descriptive cataloguing of Additional Collections earlier (Catalogue- 15). The Unit is in the process of cataloguing the second part of Additional Collections. A revised edition of Catalogue - 13 (Abstract Catalogue) is also being prepared for publication. Rabindra Bhavana Archives organized a series of in-house exhibitions on the life and works of Rabindranath by selecting and providing materials. Listing and cataloguing of Copy-Files (containing photocopies of archival materials received from various sources) is also under progress.

### Service rendered

Sl. No.	Description	Activity/Remarks
01	Registration of Smart card	152
02	Number of scholars in Archive	532
03	Temporary registration	79
04	Mobile/e-mail information rendered to Scholars/ Researchers/users at different times.	100 occasions
05	Number of Manuscripts cleaned	20
06	Print-outs given to users	400
07	Number of images transferred in CD/DVD/ Pen drive for Scholars/ Researchers/ Official Purpose.	200
08	Number of DVDs transferred to External Hard Drive in TIFF format for digital data protection	100
09	Monitoring of the Strong Room/ recording and monitoring of relative humidity and temperature. At least 02 times/ working day.	
10	Scanning of files (copies) of archival material	200 files
11	Digital photograph shown in archive	12
12	Number of CDs (Library collection) transferred to the server	50

## **AUDIO VISUAL AND REPROGRAPHIC UNIT**

The Reprographic & Audio- Visual Unit has in its holdings the Poet's voice recordings in wire, tape, spool and disc. It has negatives of photographs from our photo collection, CD/DVD (audio and video), contemporary digital photographs, colour slides, microfilm negatives, VHS and mini DV cassettes of video coverages. Films depicting Rabindranath and Santiniketan which are based on Tagore's stories and poems are preserved here. Gramophone discs and audio-cassettes of Tagore's songs sung by various artists constitute an important part of the audio collection.

This unit has a series of colour transparencies and digital images of Rabindranath's paintings of the Bhavana collection. We have also the digital images of Tagore's painting collection of NGMA (New Delhi and Bangalore), Rabindra-Bharati, Indian Museum and Academy of Fine Arts (Kolkata). Apart from Rabindra-Bhavana's regular coverage of Visva-Bharati's functions, events and festivals the Bhavana has also documented VVIP visits to Visva-Bharati including the visits of the Honorable Vice-President of India Shri. M. Venkaiah Naidu, the Honorable President of India Shri. Ram Nath Kovind, the Honorable Governor of West Bengal Shri. Jagdeep Dhankhar, the Honorable Governor of Meghalaya Shri. Tathagata Roy, among others.

Digitization of photographs and the work of compiling a digital descriptive data catalogue of the photographic holdings are in progress.

### **Unit's routine work (Reprographic and Audio-Visual Unit):**

1. Audio recording  
(V.B function and festivals, including the V.B Lecture Series & seminars) : 1229 Minutes
2. Video recording (V.B function and festivals, Seminars etc) : 2931 Minutes
3. Still Photography (V.B function, festivals & other programmes) : 14,592 Images
4. Digitization of museum objects : 84 Objects & 354 Images
5. Audio-video service rendered to the scholars: 1500 minutes (Approx.)
6. Print Issued from Rabindra Bhavana A/V Unit: 302 Numbers
7. Photograph/book/negative scanned : 200 Images
8. Arrangement of audio-visual equipment for different programmers of Rabindra Bhavana & Visva-Bharati : 2000 minutes (Approx.)
9. Audio-visual recording of interviews for the Oral History of Santiniketan project: 17 interviews in 1324 minutes

### **Unit's routine work (Photo- Section):**

1. Number of scholars attended: 108 scholars
2. Digital images on CD/pen drive/e-mail given to scholars: 721 images
3. Digital images given to different departments of Visva-Bharati: 303 images
4. Descriptive catalogue of photographic collection: 1128 Photos from 18 files completed
5. Digital archival images provided for in-house exhibition and gallery: 171 images
6. Description of archival photographs issued to scholars: 1255 images
7. Prepared a catalogue for the Sambhu Saha Collection.

### **Gifts received:**

1. Audio-video CDs and DVDs: 3
2. Photographs: 3 photographs

## LIBRARY

PART: - A

### 1. Acquisition of Documents:

Name of the Items Number at the	Book	Periodicals (Excluding Periodical) Pamphlets	Other
Beginning of the Year (01.04.2019)	RB48478	Acc no 13856	Acc No1963
Added during the Year Purchased	265	46	–
Gifted	UG 1498-UG 2163666	53	24
End of the Year (31.03.2020)	RB48742	13954	1986

### 2. Numbers of Books and Journals in the Library as per the year 2019-20:

Sl. No.	Items	Books	Periodicals
1	Languages		
2	Humanities & Social Sc.		
3	Science		
4	Home Science		
5	Computer Science		
6	Commerce & Management		
7	Education		
8	Engineering & Technology		
9	Medical Sciences		
10	Agricultural Sciences		
11	Veterinary Sciences		
12	Law		
13	<b>Others (Please specify)</b>		
	<b>Rabindra Sahitya &amp; Ref Books</b>	931	99
	<b>Total</b>	931	99

### 3. Number of Books and Journals acquired in the Year 2019-20 according to Languages:

Sl. No.	Languages	Books	Periodicals
1	<b>English</b>	166	24
2	<b>Hindi</b>	4	-
3	Regional / Bengali	754	75

4	<b>Others</b>	7	-
	Total	931	99

#### 4. Periodical Status during 2019-20 :

Current titles of periodicals subscribed during the year (Please enclose the list, in a separate sheet)

Title of periodicals received as gift

**Enclosed Part A**

**Enclosed Part A**

#### PART:- B Fund and its Utilization:

##### 1. Budget head wise Allocation & Expenditure during 2019-20:

Budget Head	Amount Sanctioned	No. of Books	Amount Rs.	Periodicals	Amount Rs.	Amount
Annual Grant (Capital)	1 Lakh	201	101799/-	-	-	40,000/-
Revenue	50,000/-	-	-	-	-	50699/- (contingency)
Other (Pl. specity)	30,000/- (Annual Grant 2nd Instalment)	64	34604/-	-	-	40,000/-

In case of receiving/procuring furnitute, Computer(s) from Central Library, please mention items, numbers, date of received only.

Computer, UPS, CD Drive received on 6.1.20

##### 2. Status of Catalogue processing of Library Collections:

Library Collections	Volumes catalogued during the year 2019-20		Volumes pending to catalogue during the year 2020-21	
	Manual	Machine	Manual	Machine
Books	-	1295(approx.)	-	870
Periodicals	-	-	-	-

#### PART: - C Library Use during the Year 2019-20:

##### 1. Regular Library members & pattern of Library Use (in Figures only)

Users Nature	Teachers	Scholars	Students	Staff	Others including V.B. Members	Grand Total
Total Registered members	56	296	26	13	20	411

##### 2. Services offered to the Users (categorically) during the year 2018-19:

Services	Teachers	Scholars	Students	Staff	Others including V.B. members	Grand Total
Issue						<b>Will be retrieved by CL, from the LibSys</b>
Return	<b>As RB Library is closed access, no issue/return</b>					
Reference Services						4958

### 3. Distinguished Visitors / Users (Non-members, in figures only)

International	National / other States	West Bengal	Refresher Course Participants	Temporary users (Students)	Temporary users (Scholars)	Any others
12	9	45				<b>1363 (total)</b>

Part D: - Staff strength with Designation & Qualifications (in separate sheet):

Part E: - Publication and Seminar/Conference, Workshop attended by the Library staff (in separate sheet for hard copy and soft copy may please be sent through mail ncsaha.72@gmail.com).

Part F: - Floor Space of the Library (Sq. meters.): 508.365 sq. mt

Part G: - Is there separate provision for Reading Room? Yes.

Part H: - Information for Physical Verification\*\*:

Volume of documents Physically Verified during the year 2019-20	Status of Verification report	Volume of documents to be Physically Verified during the year 2020-21
8431	-	6235

### LIPIKA MANUSCRIPTORIUM

Lipika Manuscriptorium is the Centre for Manuscript Studies and preservation of India's written heritage with a collection of more than 12500 manuscripts pertaining to different Language and archaic scripts such as Sanskrit, Bengali, Odia, Tibetan, Arabic-Persian and Tamil. Apart from that this, the Lipika Manuscriptorium has a possession of old land records of the Surul Zamindars and endowment records of Joydeb Kenduli (Late Mahanta Harikantasarana Deva Brajabasi, Nimbark Ashram). The writing materials of the manuscripts are in Palm-Leaf, Teret palm leaf, Sanchipat and Tulot paper (old handmade paper). Some of the manuscripts are of exceptional historical and cultural importance for their special textual characters. Acquisition of manuscripts, preventive and

curative conservation, examination, identification, shelf marking, keeping the items in the stack according to accession numbers, preparation of hand lists, preparation of descriptive catalogues, augmenting users' activities and editing of manuscripts have been carried out by this Centre. The Centre has also been imparting occasional demonstrations on for research related to manuscripts.

### **PRESERVATION UNIT**

This Unit takes care of the conservation requirements of old archival materials, rare, brittle and torn books and museum objects. Fumigation, pagination, de-acidification, tissue lamination, tissue repair and binding of books are carried out in this Unit.

Particulars of work done in the financial year-2019-20

Sl. No.	Type of Particulars	Total Number of Books/Others	Number of Pages	Total Number of Sheets	Treatments
1	Tissue Lamination	7	922	-	P.H. Test, Deacidification and applied conservation process
2	Archival Book Binding	10	-	-	Archival Binding Process (Leather)
3	Book Binding	240	-	-	General Binding Process.
4	News Paper Clippings	-	-	-	Mark wise cutting date, pasting on handmade paper and mark by seal and number.
5	Binding Paper Clippings	-	-	-	
6	Cover Binding	-	-	-	General binding with handmade paper.
7	Tissue for Binding Books	-	-	-	Requirements wise tissue used for Binding book.
8	Miscellaneous works, day to day stitching for entire Bhavana's requirements and occasionally helping the sales counter	-	-	-	-

### **RESEARCH RELATED ACTIVITIES**

1. Preparation of four volumes of Kalanukramik Rabindra Patrabali : 1878 -1912, including collection of letters from archives and library, editing and proof reading.

2. Composing old handwritten journals by students, teachers and Ashramites of Santiniketan Brahmacharyashrama: Bagan (work completed), Shanti (work under progress).
3. Typing a hand-written manuscript of a Bengali dictionary acquired from Lipika Manuscriptorium.
4. Typing, Editing, and proof checking of correspondences between Nirmal kumari Mahalabis and Rabindranath for the proposed volume of Chithipatra (vol. 20).
5. An edition of Bharatbarsher Jatiya Sangit by Prabodhchandra Sen is being prepared for reprint.
6. Compilation and editing of literary works of Nirmalchandra Chattopadhyaya is in progress.
7. Typing of letters written by J.D. Anderson to Rabindranath has been completed.
8. The seventh volume of the Kalanukramik Rabindra Rachanabali has been completed.

## **EVENTS**

**Rabindra-Bhavana organized the following events as part of its museum's visitor-outreach programme:**

1. Kabir and Rabindranath: Songs of Kabir and Rabindranath by Shayan Chowdhury Ornob, Sunidhi Nayak and Murshidabadi.
2. Book release and discussions: 'Gourpranganer Gora'.
3. Songs of Rabindranath by Ritapa Bhattacharya and Priyam Mukhopadhyay
4. Amar Rabindranath: Talks by Bibhas Roy Chowdhury and Tonmoy Chakraborty followed by songs of Rabindranath by Bijoy Kumar Singha.
5. Amar Rabindranath: Talks by Binayak Bandyopadhyay and Payel Sengupta
6. Gitabithikar Gaan: Songs and reading from Rabindranath by Sujoyprasad Chattopadhyay, Ritapa Bhattacharya and Priyam Mukhopadhyay.
7. Tomar Songe Praner Khela: Dance performance by Sumona Roy and Setsu Togawa
8. Bhanusingher Padabali: Dance performance directed by Debamala Das.
9. Jokhon esechile Ondhokare: Songs and readings from Rabindranath by Suma Bandyopadhyay and Dhruvajyoti Nandi.

## **ORAL HISTORY PROJECT**

Rabindra-Bhavana has taken an initiative of recording the oral history of Santiniketan and Visva-Bharati over the years. The following individuals have been interviewed between April 2019 and 2020:

Prof Jose Paz, Dr. Martin Kampchen, Sri Gautam Bhattacharya, Prof. Suniti Kumar Pathak, Prof. Anupam Gupta, Sri Anathnath Das, Smt. Manjusree Soren, Smt. Uma Sen, Prof. Alpona Roy, Sri Bijoy Kumar Singha, Prof. Uma Dasgupta, Prof. Rajat Kanta Ray, Sri Sudhiranjan Mukhopadhyay, Dr. Chitralekha Choudhury, Sri Pradyut Pramanik, Prof. Sushanta Duttgupta, Prof. Kathleen O'Connell.



## **Visva-Bharati Library Network**

### **CENTRAL LIBRARY**

The origin of Visva-Bharati Library Network is traced back to Rabindranath Tagore starting a college (Visva-Bharati) in Santiniketan in the year 1921 with the proceedings of the Nobel Prize he won in 1913. The Library was developed and enriched with great care by Gurudev himself. On his death in 1941, his personal collection was added to this library.

Currently, the Library Network comprises of the Central Library, 13 Sectional (Bhavana) Libraries and 30 Seminar Libraries. All the libraries in the system are fully automated and networked. Though located at various places in the two campuses, they function virtually as a single unit.

Continuation of Remote Access (Open Athens) & Discovery Services for accessing of e-resources in 24x7 as well as quick and simple to discover required resources.

All the modules of the LibSys (Library Management Software) have been in operation in Central Library as well as sectional libraries.

LSearch Mobile Apps is in operational (Library on palm or Library on Mobile) to execute the uninterrupted connection (for WebOPAC search and status of individual library membership account) among Library and its users.

Completion of uploading of digitized resources contains 29689 books of Central Library, Kala Bhavana Library, Rabindra Bhavana Library and Sangit Bhavana Library to facilitate accessibility.

QR code on library services and resources has been initiated to encourage the users' community to use the library in fewer headaches.

Uploading of Ph. D. theses in the Shodhganga (a reservoir of Indian theses @ INFLIBNET) database after awarded is continuing in addition to uploading of Research Proposal in the Shodhgangothri (Repository of Indian Research in Progress) database.

Participated in the National Digital Library (NDL) to ensure easy and quick access of full texts digitized resources of Indian old and rare collections. More than 800 hundred logins have been created for the purpose. Linking of Visva-Bharati Digital Library with NDL is under progress.

URKUND anti-plagiarism software for checking of similarity/significance for thesis and other publications is being done with several awareness programs.

#### **Library Timing:**

##### **Central Library**

All days except weekly holidays (Saturday & Sunday): 7 am - 8 pm

Saturday and Sunday: 10 am - 5 pm. The Central Library is open all days of the year except few holidays viz., Republic Day, Independence Day and Gandhi Jayanti, Poush Utsav, Basantotsav, Gandhi Punyaha, Saradobakash, Poush Mela, etc.

Sectional Libraries: Most of them are open during 9.30 am - 6pm. Weekly off days are Saturday

and Sunday while the same is Wednesday and Sunday for Rabindra Bhavana and Patha Bhavana Library (service hour 6.30am to 1.00pm).

**Total Number of Books /Periodicals added during the Year 2019-20**

a) Books purchased (Print)	5671
b) E-books purchased (Perpetual) & subscription (Under Process)	Nil
c) Books received as gift	162
d) Total books added during the year (a+c)	5,833
e) Titles of journal subscribed (for Central Library 201(including 53 Magazine, and for Sectional Libraries 145)	346
f) Newspapers procured (Central Library 19(titles) and Sectional Libraries 33nos.)	52
g) Issues of journals received as gift	12876
a.CD/DVDs (contained in journals) subscribed	37

**Total Number of Books / Periodicals accessioned as on 31. 03. 2020**

a) Books: Purchased	442425
Books: Gift :	9690
Total Books (Print) :	452115
E-Books: Purchased : (Under progress)	Nil
E-Books- Subscribed :	1,15,000
Total E-Books : 3836+1280 (2018-19) =	1,20,116
b) Accessioned Issues of Journals & Newspaper (Subscribed):	14,314
c) Accessioned Issues of Journals (Gift):	12,876
d) Accessioned for Bound Journals :	528

**Total Number of Books transferred to Departmental /Sectional Libraries**

Seminar Libraries	87
Sectional Libraries	163

**Issue and Return of Books/ Periodicals**

b.Books: Issued	27,635
c.Books: Returned	24,428
d. Books consulted at Reference Section (Ref. Doc., Gen. Stack doc.)	3,139
e. Books consulted at Reading Room	26,947
f. Periodicals consulted (loose issues, bound volumes & online)	19,223
Photocopy Services with number of documents and pages	
a.Photocopy of loose issues (Periodical)	20 (202 pages)
b.Photocopy of documents from Stack 115(2300) and Reference 92(1852)	207 (4152 pages)

**Other Modern Technology-based Services**

a) Number of CD / DVD consulted at Periodical Section	37
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b) Total users Browsed E-Journal / Database at Periodical	8665
c) Total UGC-INFONET e-journals full-text downloads or views by users	59788
d) Total Users Used OPAC search Facilities	68975
e) Inter Library Loan service through DELNET & BCL	17
f) Number of documents digitized on reader's request	12
g) Total pages digitized on reader's request	3012

**Total Hits of JCCC@INFLIBNET and J-Gate Browsing**

1.Inflibnet: ( Journal + database)	53521
2.JGate+:	6303
3.Sage online journals:	712
4.Indiastat:	1955

Membership for Inter - Library Loan (ILL) / Document Delivery Service (DDS)  
British Council Library, Kolkata (More than 7,000 e-journal and 1,00,000+ e-books)  
DELNET, New Delhi  
JCCC@INFLIBNET

J-gate (More than 37,000 e-journals)

Current title of E-journals purchased

Bentham Science Collection- 63 E-Journals

IOP Science Collection- 73 E-journals

Current title of E-journals accessed from ESS (Inflibnet): 7032+

American Chemical Society - 49 Journals

American Institute of Physics- 19 Journals

American Physical Society- 15 Journals

Annual Reviews- 43 Journals

Economic & Political Weekly- 1 Journal

JSTOR- 3165 Journals

Oxford University Press- 262 Journals

Project Muse- 676 Journals

Springer Link 1700 Collection and Nature Journal- 1724 Journals

Taylor and Francis- 1078 Journals

**Current title Online database accessed from ESS ( Inflibnet):** 05

Institute for Studies in Industrial Development (ISID) Database

JGate Plus (JCCC)

MathSciNet

Web of Science

URKUND Plagiarism Detection Software

**Current title of Database subscribed :** 09

British Council Library

Indiastat.com

OdiaPatrapatrikaSangraha (Digital Compilation of Odia Periodicals) 1856-1950

Developing Library Network( DELNET)

Open Athens from Ebsco ( Remote Access)  
 Discovery Service from Ebsco  
 Secret Files from World Wars to Cold War from Taylor & Francis  
 China and the Modern World: Hong Kong, Britain and China, 1841-1951  
 from Cengage Learning India Pvt. Ltd.  
 EPWRF India Time Series

Library Members \*

1.Total Registered Members	8,007
(Teachers - 551, Scholars - 920, Students - 6014, Staff - 500, Others -19)	
2.Total number of Readers who visited Reading Room	26947
3.Total number of Readers who visited Periodical Section	19223
(Including 8665 for surfing e-resources, 2578 for Current Journals, 85 for bound journal, 1985 for scan yourself, 32 for rare book and 621 for theses consultation)	
4.Total number of Readers who visited at Reference Section	3,139
5.Total number of Readers who used the Stacks	16,480
6.Total number of users who accessed the library resources through library home page (172.16.2.2)	97,687

Temporary Members / Scholars who visited during the Period	626
Total No. of days/times Library used/visited by 626 temporary members	1878
No. of Persons: International	93
[Bangladesh - 31, UK - 9, Switzerland - 5, USA - 4, Australia - 2, Maurisus-1, Newzealand-1, Japan-12, China-22, Srilanka-5 and Sweden -1]	
No. of days used/visited:	139
No. of Persons: West Bengal:	401
(i) No. of days used/visited:	2005
No. of Persons: Other States	132
(ii) No. of days used/visited:	264

Library Hours

1.On weekdays [except weekly off days (Saturday and Sunday)7.00 a.m. - 8.00 p.m. and holidays]:	
2.Weekly off days - Saturday, Sunday:	10.00 a.m. - 5.00 p.m.
3.Other holidays:	10.00 a.m. - 5.00 p.m.
(Only Reading Room)	
4.Total no. of days Library was open in the year: (a) 236days regular/2-shift days+ (b) 83days Weekly off-days/one-shift days + (c) 11 days other holidays one shift only reading room = 340 days	

**Documents Processing**

(Books Classified & Catalogued and added to the Catalogue database by Central Library by using library software (LibSys) during 2019 -20)	
Books: Purchased	4017
Books: Gift	162

Retro-conversion/Editing/Updating	18
Total number of Books catalogued	4197
Total Uploading of Digitized Books	12

**Braille Unit:**

No. of User	No. of days / times visited	Used time (in hour)	Available No. of Recording Device
<b>19</b>	<b>257</b>	<b>532</b>	<b>06</b>

Braille Unit at Central Library is operational since August 2012. A second Braille Library Unit has also been started at Vinay Bhavana Library from 21February 2014.

**Publications**

1. Monthly Library e-Newsletter (12 issues released)
2. Library Bulletin - 'Current Journals-2019' for Visva-Bharati subscribed Journals.
3. Library user's manual has published
4. Library reference manual has published

**Exhibition of Books, Digitization and Celebrations:**

- a) Total thirty-seven (39) exhibitions of books and allied materials on important personalities have organized in the Reference Section.
- b) Uploading of digitized books on the Library server has been done fully and is accessible through Intranet. Current Theses available received in softcopy are also being uploaded.
- c) Celebrations: Swachha Bharat Abhiyan (2 October 2019); National Unity Day (October 31, 2019); The Library Day (20 December 2019) and Gandhi Punya (10 March 2020).

**Library Automation:**

Visva-Bharati Library is connected with the Campus- wide Fiber Optic Network named GitanjaliNet (INFLIBNET). Library system has 119 PCs,48printers (including 2 network printers cum copiers, and 22 barcode printers), one document camera, one web camera, one digital camera, three LCD Projectorsat its Central Library and 12 Sectional Libraries. Library offers services and facilities of browsing e-journals, online-databases, e-books to its users. On-line searching, e-mail facilities for academic and research purposes, etc. have also been provided by the Library.

Library Management Software LibSys-7 (Unicode Web compliant) is being used for automating the library activity and services. All daily library operations and services i.e. Acquisition of library documents, Cataloguing, Serial control, Circulation, OPAC, L-Search Mobile Apps, e-mail alert on overdue books etc. are going on smoothly on this Library Management Software. Library catalogue database covering almost total holdings of Central Library, other Sectional Libraries and GranthanVibhaga are accessible now on Intranet(<http://172.16.2.2:8380/opac/>) / Internet (<http://14.139.211.2:8380/opac/>).

Presently, Visva-Bharati Library catalogue database holds 5,78,534 titles of documents containing 7,67,324 individual accession numbers including 48,417 bound volumes of journals and 2,828 theses. In addition, e-books have been added to the collection (5,116) titles in perpetual

mode and 1,15,000 titles through various consortia) from world famous publishers/aggregators (Elsevier, Cambridge Online, Springer, Sage, Taylor & Francis, Oxford University Press and British Council Library) which have been linked (alphabetical, subject-wise, publisher-wise) in the library web page for browsing from the campus.

Central Library has made an Institutional Repository of syllabuses of various courses. Question papers of different examinations held at Visva-Bharati since 2007 are also added to this Institutional Repository. These question papers / syllabuses can be accessed, downloaded and/or printed over the Campus Network through Central Library web page. This Institutional Repository is being regularly used by the library members. The Visva-Bharati Library invites its faculty members and research scholars to upload their publications in Institutional Repository (Open Archive) and encourages others to browse such publications. The Open Archive now contains near about 132 articles of faculties.

### **E-Resources:**

The library has the following e-resources, which are regularly browsed through Library Home Page (<http://14.139.211.2> or <http://172.16.2.2> ).

E-journals through E-ShodhSindhu (INFLIBNET) - 7,032

E-Journals ( Subscribed) - 136

Free e-journals from publishers - 47 +

E-Books Purchased (Perpetual) & Subscription/consortia - 1,18,836

Subscribed e-journals through J-Gate - 37,000+

Free online books - 869 +

DVDs of Old Digitized Documents - 1074

CD-ROMs -620 +

Digitized Books -29,689

Current title Online database accessed from ESS ( Inflibnet):05

1. Institute for Studies in Industrial Development (ISID) Database

2. JGate Plus (JCCC)

3. MathSciNet

4. Web of Science

5. URKUND Plagiarism Detection Software

Current title of Database subscribed during the year:09

British Council Library

Indiastat.com

OdiaPatrapatrikaSangraha (Digital Compilation of Odia Periodicals) 1856-1950

Developing Library Network (DELNET)

Open Athens from Ebsco (Remote Access)

Discovery Service from Ebsco

Secret Files from World Wars to Cold War from Taylor & Francis

China and the Modern World: Hong Kong, Britain and China, 1841-1951 from Cengage Learning

India Pvt. Ltd

EPWRF India Time Series

Current title of E-journals from ESS ( Inflibnet): 7032+

American Chemical Society - 49 Journals  
American Institute of Physics- 19 Journals  
American Physical Society- 15 Journals  
Annual Reviews- 43 Journals  
Economic & Political Weekly- 1 Journal  
JSTOR- 3165 Journals  
Oxford University Press- 262 Journals  
Project Muse- 676 Journals  
Springer Link 1700 Collection and Nature Journal- 1724 Journals  
Taylor and Francis- 1078 Journals  
Current title of E-journals purchased during the year: 136  
Bentham Science Collection- 63 E-Journals  
IOP Science Collection- 73 E-journals

**Seminar / Workshop / Exhibition / Other Programmes Organized by Central Library, Visva-Bharati:**

26.09.2019: Bicentennial Birthday Celebration of Pandit Ishwar Chandra Vidya Sagar:  
The Bicentennial Birthday Celebration of Pandit Ishwar Chandra Vidyasagar was organized by Visva-Bharati Library Network (Central Library), Visva-Bharati. The program started with a rally from Upasana-Griha to Central Library, Visva-Bharati at 8.30am.

There was an Exhibition of Books on/by Vidyasagar alongwith the short sketch of his life arranged in front of the Library near the Circulation Desk and the audience appreciated the initiative after visiting the same.

The program was formally inaugurated at the Conference Hall of the Central Library by floral tribute to great thinkers of the Nation both Pandit Ishwar Chandra Vidyasagar and Rabindrantah Tagore, followed with Vedic Mantras and Welcome song by the students of Patha Bhavana. Prof Nirmalya Banerjee, Prof-in-Charge, University Library delivered the Welcome Address. Then Prof. Amal Kumar Pal, Department of Bengali and Director (Acting), Culture and Cultural Relations, Rabindra Bhavana, Visva-Bharati delivered an Invited Speech on "Vidyasagar in the eye of Rabindranath" (রবীন্দ্রদৃষ্টিতে বিদ্যাসাগর). He gave an illuminated insight into the lives of Rabindranath Tagore and Vidyasagar, his in-depth research on the topic unveiled many untold stories about the two pioneers of modern Bengal. His lecture overwhelmed the audience. Then, the Presidential and thought-provoking Lecture was delivered by Prof. Bidyut Chakrabarty, Hon'ble Vice Chancellor, Visva-Bharati, in which he praised the Lecture of Prof. Amal Pal and initiatives of the VBLN. The Hon'ble Vice Chancellor also ignited the young minds for progressive development. His inspiring thoughts and initiatives showed the way for further progress of the University. Lastly, the Vote of Thanks was delivered by Smt. Sabahat Nausheen, Asst. Librarian (Stage - II) and In-charge Rabindra Bhavana Library. Around 165 participants witnessed the event.

19.08.2019: Observation of Librarians' Day-2019: on the occasion of Librarians' Day , tree plantation, Raksha Bandhan and Re-union of the present and ex-library staff were held where sixty-four members of the staff were present. On the occasion of Librarians'Day an

Invited Speech entitled "Visva-Bharati Library: Past and Present" was delivered by Sri Sourendra Nath Bandyopadhyay, former Deputy Librarian.

20.12.2018: Observation of Library Day-2019: 'Library Day-2019' was celebrated at Conference Hall, Central Library, VB.. On the occasion, a lecture was organized on "Visva-Bharati Library: Look back" which was delivered by Sri Swapan Ghosh, former Professional Assistant, Visva-Bhaarti, Santiniketan. It was attended by fifty-two (52) library professionals.

Five (05) Users Learning Programmes on 'How to use Library Resources' were organized for new library members of different departments on 29 July, 06, 20, August, 09, 29 September 2019. Total 268 students and 05 faculty members of Physical Education, Silpa Sadana. Geography and Comparative Literature, have attended the program.

14 Special Sessions on URKUND- Plagiarism Checking Software, Shodhganga, SodhGangotri, Zotero, Remote Access & Discovery Services, Indexing and Impact factor, etc. have been arranged on 2, 6, April; 16 June; 13-14, 16, 18 July, 1, 7 December 2019, 27-28 January, 17-20 Feb 2020 for Library staff, Faculty Members and Scholars respectively. Total 227 candidates have participated in the respective program.

Seventeen (17) Demonstration Program on e-resources have been arranged by the world class e-publishers like, OUP, CUP, T&F, Springer nature, Elsevier, McGraw-Hill, Wiley, Bloomsbury, Bentham Science, Brill, Sage, Gale, Speaking tiger, Pearson, etc. etc. Oxford Spotify online, Jgate Plus, Web of Science, Indian Citation Index (ICI), have been arranged on 13-14 July, 21-22 July, 2019; 20 Feb.2020 for Library staff, Faculty Members and Scholars respectively. Total 254 no candidates have participated in the respective program.

Four (04) teams consisting 148 candidates (including faculties and students) of different institutes from Bhavanipur Anchalik College, Barpeta, Asam (26 February); Lucknow University, UP (15 September); Rajatpur High School, Bolpur, WB (01 July); Calcutta University, WB (21 October) have visited the Central Library, Visva-Bharati as a part of their educational tour. 19.02.2020. Special Awareness Program on Sensitization Program on PWD Act-2016 has been organized in association with Ali Yavar Jung National Institute of Speech and Hearing Disabilities (Divyangjan) B.T.Road, Bonhooghly, Kolkata 700 090. Total seventy-five candidates have participated in the program.

24.01.2020: To train the Library Professionals of VBLN, one special training program on 'LibSys' and "URKUND" was organized which was attended by twelve candidates. Further, two awareness programs have also been organized for the Library Professionals of VBLN. Users Librarian meet: two meetings have been arranged on 25 May 2019 and 22 January 2020 with the library staff and users to interact on various issues relating to Library Resources, Services and Facilities, total 65 and 28 candidates have attended the meeting respectively. The Conference Hall, Central Library was used as venue for thirty-three (33) functions spread over the Reporting Year by the different Departments of the University as well as the University Administration.

Conference/ Seminar/ Workshop/Invited Lecture etc. attended by the Library staff:

All Staff: All staff with little exception of the Visva-Bharati Library Network participated and acted in one or other capacity in the VBLN programmes.



## **Nimai Chand Saha**

16.11.2020-17.11.2020: Invited as Resource Person by the Organizing Committee to act as panelist in the panel discussion of Two-days National Seminar on "Special Needs towards Inclusive Library Services in India" as well as to present an invited talk on "Mirror of inclusive library services at Visva-Bharati" organized by National Institute of Locomotor Disabilities (NILD), Kolkata.

27.11.2019: Invited as a Resource Person by the Coordinator of the 116th Orientation Program at the UGC-HRDC, University of Burdwan, Purba Bardhaman and delivered one lecture on 'Information Literacy Towards Academic Integrity.'

14-11-2019: Invited as a Resource Person by the Course Coordinators of the UGC sponsored Specific Refresher Course in Library and Information Science by the DLISc, Calcutta University, Kolkata on 'Libraries Connecting Community...' and delivered lecture on 'Library as a Wheel of Community Development: Towards Connecting'.

02.09.2019: Invited as a Resource Person by the Course Coordinator of the 27th UGC sponsored Refresher Course in Library and Information Science by the DLISc, Jadavpur University, Jadavpur, Kolkata and delivered one lecture on "Promoting Academic Integrity and Prevention of Plagiarism: Added features of the Librarianship."

21.08.2019: Invited to deliver Lecture in the XXXIII Training Programme entitled 'Science Communication and Media Practice -2019' organized by Indian Science News Association and Vigyan Prasar, DST, Government of India. Title of presentation: 'Resource Discovery and Plagiarism: Towards Safe Academic Journey'.

14.08.2019: Invited as a Resource Person by the Coordinator of the 115th Orientation Program at the UGC-HRDC, University of Burdwan, Purba Bardhaman and delivered one lecture on 'Information Literacy and Resource Harvesting'.

08.08.2019: Invited to deliver Lecture in the "Research Methodology Workshop in Social Sciences" organized by A. K. Dasgupta Centre for Planning and Development (A Centre sponsored by the NITI AAYOG, Govt. of India), Visva-Bharati and delivered a Lecture. Title of presentation: 'Simple ways of Referencing/ Citation/ and Bibliography in Research Work'.

24.07.2019: Invited as a Resource Person by the Course Coordinator of the week-long Workshop on MOOCs, E-content Development and Open Educational at the UGC-HRDC, University of Burdwan, Purba Bardhaman and delivered one lecture on "Resource Harvesting and Plagiarism Issues in the World of MOOCs."

29.06.2019: Invited to deliver lecture in the workshop entitled "National Research Methodology Workshop" organized by A. K. Dasgupta Centre for Planning and Development (A Centre sponsored by the NITI AAYOG, Govt. of India), Visva-Bharati and delivered a Lecture. Title of presentation: 'Smart Referencing / citing and Plagiarism.'

07.03.2019: Invited as Resource Person and delivered Lecture on the topic "Career Advancement Scheme (CAS): How Simply and Smoothly We Can Attain?'" in a Seminar organized on "Career Advancement Scheme (CAS): Past, Present & Future" by Sree Chaitanya Mahavidyalaya, Habra-Prafullanagar, North 24 Parganas.

29.12.2020: Invited as Resource Person and delivered Lecture on the topic "Only library can develop healthy and prosperous society" in a District Level seminar organized by 15th Purba

Medinipur District Book Fair Committee at J. L. High School, Egra, Purba Medinipur.  
14.12.2019: Invited as Resource Person and delivered Lecture on the topic "Printed Books and Present Readers: Unlikeliness and its Remedies" in a District Level seminar organized by 2nd Jhargram District Book Fair Committee at Suri, Birbhum.

06.12.2019: Invited as Resource Person and delivered Lecture on the topic "Public Library: Changing Situation and New Thinking" in a District Level seminar organized by 38th Birbhum District Book Fair Committee at Suri, Birbhum.

24.11.2019-25.11.2019. Delivered Invited Lecture in a workshop entitled "Research Methodology" organised by Visva-Bharati Library Network, Visva-Bharati, Santiniketan at Conference Hall, Central Library, Visva-Bharati. Title of presentation: "Bibliography, Reference and Its Citation as an Essential Component of Theses and ethical Aspects of Research including Plagiarism."

#### **Academic Distinction:**

14.11.2019. Acted as external examiner nominated by the authority of Calcutta University to examine one dissertation of M.Phil. Scholar of library and Information Science under the supervision of Prof. Swapna Banerjee, Professor, DLIS, Calcutta University, Kolkata.

As invited, delivered twenty-one (11) lectures (one hour each) on different aspects Research methods for the candidates of Ph.D. course work 2019-20

As invited, delivered eleven (11) lectures on best use of VB Library, Plagiarism Checking, Remote Access, Resource harvesting, Citing & Referencing, Construction of Thesis, literature review, Statistical techniques, etc. etc. as facets of research to the students of M.Phil. 2019-20.

#### **Sujit Kujur**

24.11.2019-25.11.2019: Acted as a Resource Person to demonstrate the topic "Exposure to Web of Science & EndNote as Reference Management Tools" at a two-day "Workshop on Research Methodology" organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan, at Conference Hall, Central Library, Visva-Bharati.

#### **Koushik Ghosh**

28.02.2019: Presented an Invited Lecture in a National Seminar entitled "ICT and Library in Higher Education: An Indian Perspective" organized by IQAC & Central Library, Chandidas Mahavidyalaya, Khujutipara. Title of presentation "ICT application in respect of Services, Facilities, and Resources at Visva-Bharati Library Network'

16.03.2019: Presented an Invited Lecture on the occasion of New Building Inaugural Programme organized by Sahid Khudiram Library, Kuldiha, Durgapur, Buwdwan.

24.11.2019: Delivered Invited Lecture at a two-day Workshop entitled "Research Methodology" organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan, at Conference Hall, Central Library, Visva-Bharati. Title of presentation: "Journal (Print & Online) and E-resources as sources of Primary Document in Research, E-shodhsindhu & Sodhganga."

#### **Ramprasad Mazumdar**

24-09-2019-25.11.2019: Delivered an Invited Lecture in a Workshop entitled "Research Methodology" organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan at

Conference Hall, Central Library, Visva-Bharati. Title of presentation: "Library Website "and WebOPAC: gateway to Research Material."

### **Smritimoy Ghosh**

13-02-2020-14-02-2020: Participated and presented a paper in the National Seminar entitled "Ethno Historical Perspective of North East India with special reference to North Bengal" Organised by the Maulana Abul Kalam Azad Institute of Asian Studies in collaboration with Dept. of History, Gyan Jyoti College & Bharatiya Itihas Sankalan Samity Gyan Jyoti College, Siliguri. West Bengal.

### **Sectional Library**

#### **Ajay Kumar Sharma**

##### **Academic / Administrative Distinctions**

Member of the Editorial Committee for Visva Bharati Website.

Member of the National Advisory Board of "ICDT 2019" to be held at Rajiv Gandhi National University of Law, Punjab during 06 - 08 September 2019.

Assistant Editor of the Visva-Bharati Library e-Newsletter (October 2019 to January 2020 Issues).

Member of the Editorial board of the journal entitled as "International Journal of Academic Research in Library & Information Science (IJARLIS)"

Associate Editor of the journal entitled as "International Journal of Information Sources and Services (IJSS)"

Member of the Editorial board of the journal entitled as "Sangeet Galaxy".

Editor of the journal entitled as "International Journal of Digital Library Services."

Webmaster of Visva Bharati Library Network. (<http://14.139.211.2/library/index.php> or <http://172.16.2.132/library/index.php>)

**Webmaster of Cheena Bhavana, Visva-Bharati. (<http://visva-bharati.wix.com/cbvbs>).**

17.02.2020: Invited to deliver Lecture on " Zotero: The Reference Management Software" in a special session organized by the Visva-Bharati Library Network, Visva-Bharati, Santiniketan at Conference Hall, Central Library, Visva-Bharati.

16.06.2019: Invited to deliver Lecture on "Zotero: An Open Source Reference Management Software" in a special session organized by the Visva-Bharati Library Network, Visva-Bharati, Santiniketan at Conference Hall, Central Library, Visva-Bharati.

24.11.2019-25.11.2019. Delivered Invited Lecture on "Zotero: A Reference Management Tool" organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan at Conference Hall, Central Library, Visva-Bharati.

26.02.2020: Participated in Sensitization Program on "Rights of the Persons with Disabilities Act 2016" organized by Visva-Bharati Library Network in collaboration with Ali Yavar Jung National Institute of Speech and Hearing Disabilities (Divyangjan) "Under the Department of Empowerment of Persons with Disabilities, Ministry of Social Justice and Empowerment", Govt. of India at Conference Hall, Central Library, Visva-Bharati.

#### **Partha Pratim Roy**

24.11.2019: Delivered an Invited Lecture in a Workshop entitled "Research Methodology"

organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan at Conference Hall, Central Library, Visva-Bharati. Title of presentation: "An Insight into Theses as Research Output."

### **Keshab Chandra Sinha**

24.11.2019-25.11.2019: Delivered an Invited Lecture on "Sources of Information as an Essential Integration for Research" organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan at Conference Hall, Central Library, Visva-Bharati.

### **Sanat Bhattacharya**

24.01.2020-25.01.2019: Presented a paper in the National Seminar on Sustainable Library organized by Department of Library and Information Science, Jadavpur University, Kolkata. Title of presentation: "Best practices Adopted at Visva-Bharati Library: An Overview."

28.02.2020. Delivered Lecture in the National Seminar organized by IQAC & Central Library, Chandidas Mahavidyalaya, Kujutipara, Birbhum, west Bengal Title of presentation: "Visva-Bharati Library and its Activity."

### **Sabahat Nausheen**

24.11.2019-25.11.2019: Delivered Invited Lecture on "Mendley: A Reference Management Tool" organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan at Conference Hall, Central Library, Visva-Bharati.

### **Sri Pradip Hembram**

24.11.2019-25.11.2019: Delivered Invited Lecture on "Role of Remote access & Discovery Service in Research" organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan at Conference Hall, Central Library, Visva-Bharati.

### **Anshuman Banerjee**

12.02.2020-18.02.2019: Attended National Workshop on "Integration Koha with vufind" organized by the Dept of Library and Information science, The University of Burdwan.

## **Publications**

### **Books:**

Kshetrasamiksha Granthamala (1): Purbasthali Uttar, Saha, Nimai Chand; Paul, Nirmalendu, Kolkata, Gyandarpan, 2019, p.170. ISBN: 978-81-932050-7-5.

Human Rights and Social Justice: Issues and Concern ed. Nimai Chand Saha, Bikash Majhi et.al. New Delhi: New Delhi Publisher. 2020. ISBN - 978-93-88879-73-6.

Inclusive Library Services: Indian Perspectives ed. P.S. Mukhopadhyay; K. C. Satpathy; Nimai Chand Saha, et.al. New Delhi: New Delhi Publisher, 2020. ISBN - 978-89-38887-96-7. This is an outcome of papers presented in the Two-day National Seminar organized by NILD, Kolkata during 16 - 17 November 2019.

e-Newsletter

Acted as an Editor of Monthly Library e-Newsletter during 2019-20.

### **Articles in Journals/Chapters in Books:**

"Towards Egalitarian Society of Dr B. R. Ambedkar and marginalized Community in the Context of Globalization" Nimai Chand Saha, 'Human Rights and Social Justice: Issues and Concern'

ed. Nimai Chand Saha, Bikash Majhi et.al. New Delhi: New Delhi Publisher, 2020, pp. 09-18. ISBN - 978-93-88879-73-6.

(November 2019). "Mirror of Inclusive Library Services at Visva-Bharati" Saha, Nimai Chand In 'Inclusive Library Services: Indian Perspectives' ed. P.S. Mukhopadhyay; K. C. Satpathy; Nimai Chand Saha, et.al. New Delhi: New Delhi Publisher, 2020, pp. 35-43. ISBN - 978-89-38887-96-7.

An article entitled "Study of LIS and Information Technology" by Sujit Kujur, in "RESEARCH REVIEW International Journal of Multidisciplinary", Vol. 4, Issue 4, April 2019 (pp.1684-1685); ISSN - 2455-3085 (Online).

"Study of Bibliographical Database" by Sujit Kujur, in "Research Review International Journal Multidisciplinary", Vol. 4, Issue 5, April 2019 (pp.1684-1685); ISSN - 2455-3085 (Online).

"Tagore's dream of Rural Reconstruction and the role of Library." LIS Education in India: Current Scenario and Future Strategies. Koushik Ghosh, IASLIC 28th National Seminar, Santiniketan, November, 27-29, 2018. Pp.321-330."

"Need of Digitisation of Indigenous Knowledge on Medicinal Plants: A Study on the Santals of Birbhum" by Atanu Kumar Sinha, West Bengal - Library Herald, 57(2): 195-204. June 2019. 0024-2292; DOI: 10.5958/0976-2469. 2019.00011.3

"Paintings and drawings of Rabindranath Tagore: a bibliometric study" by Partha Pratim Ray in the Annals of Library Science.66, 1; April 2019. 16-23.ISSN: 0972-5423 (Print). 0975-2404

"Sahaj Path: manuscript, Publication and Textual Comparison: A Study" by Partha Pratim Ray Granthagar.69,6-7; Sept.-Oct.2019. 19-22; 4-9 p. ISSN: 0017-324X

"Rabindranath's Educational Philosophy and Laws of Library Science: An Analytical Study" by Partha Pratim Ray in Librarians Voice.2, pp. 12-18. October, 2019 (www.librariansvoice.org)

"Bibliography: Bengali Books Published in Kolkata Book Fair" by Sanat Bhattacharya in the Granthagar Journal, vol. 69, Issue no.8 November 2019.

"Impact of Tourism on Santal in and around Santiniketan" by Atanu Kumar Sinha with Professor Amit Kumar Hazra- International Conference on 'Roadmap for the Development of Rural Tourism in and around Birbhum', organized by Visva-Bharati in collaboration with Ministry of Tourism, Govt. of India & Tourism Department, Govt. of West Bengal, held at Lipika Auditorium, Santiniketan on November 16-18, 2019.

"Best practices adopted at Visva-Bharati Library: an overview" by Sanat Bhattacharya in the Librarian Special Seminar vol.26, Issue 1&2 January 2020.

"Unish Sotoker Thakurbarir Stree shikishay Gronthagarer Bhumika" by Sanat Bhattacharya in the Khoai Journal Vol.38, Issue 38, 2020.

### **Others:**

Abstract entitled "Introspection on the Learning and Libraries in Ancient India : Special Reference to Eastern Indian Educational Institute" by Smritimoy Ghosh published in the pre-seminar Abstract Publication of Two Days National Seminar on "Ethno Historical Perspective of North East India with special reference to North Bengal' Organised by the Maulana Abul Kalam Azad Institute of Asian Studies in collaboration with Dept. of History, GyanJyoti College & Bharatiya Itihas Sankalan Samity on 13-14 Feb., 2020 at Gyan Jyoti College, Siliguri, W.B.

## ANNEXURE-I

### Detailed Information on Point 1

#### Acquisition Section:

#### Number of books purchased subject wise: -

Subject	Number
Languages	2427
Humanities and Social Sciences	2757
Science	210
Home Science	
Computer Science	36
Commerce & Management	
Education	53
Engineering & Technology	12
Medical Sciences	03
Agriculture Sciences	110
Veterinary Sciences	
Law	
Others (Music, Arts, Religion, Career Counseling, etc.)	63
Total: -	5671

#### Language/version of Purchased books

English	4060
Bengali	1048
Others	563
Total subscribed for Central Library: -	5671

#### Periodical Section: -

Foreign Journals	56
Indian Journals	99
Magazines	55
News Papers	18
Total subscribed for Central Library: -	228

#### Circulation Section: -

Category	Teacher	Scholar	Student	Staff	Pensioner	Grand Total
Library Users	551	920	6014	500	19	8007

#### User Visits at Different Sections of Central Library (month-wise)

Month	Reading Room	Periodical Section	Stack Room	Reference Section
April-2019	2683	1951	968	236
May-2019	1566	1415	948	182
June-2019	1028	931	945	164
July-2019	1518	1867	1841	214
August-2019	1923	1789	1546	264
September-2019	2986	2343	1664	465
October-2019	979	932	876	149
November-2019	2638	1447	1379	171
December-2019	1541	1183	1110	158
January-2020	1448	1669	1487	338
February-2020	2035	1802	1444	285
March-2020	2087	2057	1427	274
<b>Total</b>	<b>22432</b>	<b>19386</b>	<b>15635</b>	<b>2900</b>

### \*Detail information

#### Information related to Sectional Libraries 2019-20

Sectional libraries	Books up to 31 March-2020	Books Added Purchase	Gift Subscribed	Journals Gift	Gift	Issue	Return	Total	Disting	Users
Cheena Bhn	41767	49	128	13	2	73	63	136	293	139
Siksha Bhn	21847	1431	434	---	---	7275	5003	12278	24	3230
Path Bhn	39384	1240	179	---	---	2363	2126	4489	95	4754
Darshan Bhn	9742	---	2	33	2	860	705	1565	560	690
Hindi Bhn	36994	576	107	1	8	2307	2209	4516	42	422
Sangit Bhn	37409	422	15	8	1	3830	3920	7750	26	782
Palli Sang.	37789	395	4	---	---	71	42	113	74	392
Vinaya Bhn	22433	468	---	---	---	1647	1658	3305	347	581
Rabindra Bhn	49408	265	666	---	---	000	000	000	1363	000
Palli Siksha	52846	1566	2	40	14	6679	6402	13081	213	1684
Kala Bhn	17716	462	41	7	---	1505	1506	3011	15	352
Siksha Satra	27398	1281	9	---	---	1460	1311	2771	48	1454
<b>All Sectional Libraries</b>	<b>394733</b>	<b>8155</b>	<b>1587</b>	<b>218</b>	<b>27</b>	<b>28070</b>	<b>24945</b>	<b>53015</b>	<b>3100</b>	<b>14480</b>
Central Library	449343	439653	9690							
Grantha Vibhaga	8600									

Total 852676 However, database holds 7,67,324 copies and rest around 85300 books purchased & accessioned initially at central Library and thereafter those books have been transferred to different sectional Libraries for the interest of the users and re-accessioned in the concern sectional library i.e. these 85300+ books having double accessioned.

## **GRANTHANA VIBHAGA KOLKATA**

GranthanVibhaga set up in 1923 was mandated to publish the writings of Rabindranath Tagore along with books on Indian culture. Since its inception it has published the authoritative edition of Rabindranath Tagore's complete works. A major publication of the GranthanVibhaga is the Vishwa Vidya Sangraha which introduces dense ideas on philosophy, social sciences and science to lay readers. Tagore's Gitabitan and Swarabitan makes the entire corpus of Tagore's songs and notations available for generations of readers and performers.

Presently, Granthan Vibhaga functions from its premises at 6 AJC Bose Road, Kolkata 17 with 23 permanent staff members.

### **BOOK RELEASE PROGRAMME:**

On 23rd December, 2019 -a book-release function was held in front of the GranthanaVibhaga Stall at Paush Mela in Santiniketan.

### **PUBLICATIONS:**

New Titles : 4 nos.  
Reprint of Titles : 45 nos.

### **NEW PUBLICATIONS**

#### **1. BANGLA SAMSKRITIR DHARA (Visvavidya Samgraha)**

Price : Rs. 450.00  
ISBN : 978-81-7522-681-4

#### **2. VISVA-BHARATI PATRIKA**

(Joint Edition, Sravan-Asvin& Kartik-Pous 1424)

Edited : Amitrasudan Bhattacharya  
Price : Rs. 200.00

#### **3. VISVA-BHARATI PATRIKA**

(Joint Edition, Magh-Chaitra 1423 &Baisakh-Asar 1424)

Edited : Amitrasudan Bhattacharya  
Price : Rs. 200.00

#### **4. RABINDRA SAPTAHA BHASAN (1424)**

Edited : Indrani Mukhopadhyay & Amartya Mukhopadhyay  
Price : Rs. 220.00  
ISBN : 978-81-7522-678-4

### **REPRINT OF TITLES**

#### **5. ADHUNIK SAHITYA**

Author : Rabindranath Tagore  
Price : Rs. 150.00  
ISBN : 978-81-7522-107-9



## **6. ALAPCHARI RABINDRANATH**

Author : Rani Chanda  
Price : Rs. 180.00  
ISBN : 978-81-7522-443-8

## **7. ALOR PHULKI**

Author : Abanindranath Tagore  
Price : Rs. 180.00  
ISBN : 978-81-7522-051-5

## **8. CHATURANGA**

Author : Rabindranath Tagore  
Price : Rs. 90.00  
ISBN : 978-81-7522-562-6

## **9. CHITHIPATRA (Vol. 2)**

Author : Rabindranath Tagore  
Price : Rs. 300.00  
ISBN : 978-81-7522-557-2

## **10. CHITRA**

Author : Rabindranath Tagore  
Price : Rs. 120.00  
ISBN : 978-81-7522-449-1

## **11. GALPAGUCHCHHA (Vol. 3)**

Author : Rabindranath Tagore  
Price : Rs. 200.00  
ISBN : 978-81-7522-027-0

## **12. GHARE BAIRE**

Author : Rabindranath Tagore  
Price : Rs. 170.00  
ISBN : 978-81-7522-603-6

## **13. GITICHARCHA (Vol. 2)**

Author : Rabindranath Tagore  
Price : Rs. 100.00  
ISBN : 978-81-7522-041-6

## **14. GORA**

Author : Rabindranath Tagore  
Price : Rs. 350.00  
ISBN : 978-81-7522-268-7

**15. GURUDEV**

Author : Rani Chanda  
Price : Rs. 160.00  
ISBN : 978-81-7522-039-3

**16. INTRODUCTION TO TAGORE**

Author : Rabindranath Tagore  
Price : Rs. 120.00  
ISBN : 978-81-7522-155-0

**17. JAPANJATRI**

Author : Rabindranath Tagore  
Price : Rs. 190.00  
ISBN : 978-81-7522-425-4

**18. JIBANSMRITI (Text)**

Author : Rabindranath Tagore  
Price : Rs. 130.00  
ISBN : 978-81-7522-422-3

**19. MALANCHA (Drama)**

Author : Rabindranath Tagore  
Price : Rs. 90.00  
ISBN : 978-81-7522-551-0

**20. MALINI**

Author : Rabindranath Tagore  
Price : Rs. 100.00  
ISBN : 978-81-7522-305-9

**21. MUKTADHARA**

Author : Rabindranath Tagore  
Price : Rs. 70.00  
ISBN : 978-81-7522-008-9

**22. PRACHIN SAHITYA**

Author : Rabindranath Tagore  
Price : Rs. 90.00  
ISBN : 978-81-7522-062-1

**23. RABINDRAJIBANI (Vol. 1)**

Author : Prabhat Kumar Mukhopadhyay  
Price : Rs. 780.00  
ISBN : 978-81-7522-429-2

**24. RABINDRAJIBANI (Vol. 2)**

Author : Prabhat Kumar Mukhopadhyay  
Price : Rs. 800.00  
ISBN : 978-81-7522-218-2

**25. RABINDRAJIBANI (Vol. 3)**

Author : Prabhat Kumar Mukhopadhyay  
Price : Rs. 750.00  
ISBN : 978-81-7522-224-3

**26. RABINDRANATH O SANTINIKETAN**

Author : Prabhat Kumar Mukhopadhyay  
Price : Rs. 230.00  
ISBN : 978-81-7522-273-5

**27. RAKTAKARABI**

Author : Rabindranath Tagore  
Price : Rs. 120.00  
ISBN : 978-81-7522-089-9

**28. RABINDRA PARICHAY (Bengali)**

Author : Rabindranath Tagore  
Edited : Bhudeb Chaudhury & Others  
Price : Rs. 150.00  
ISBN : 978-81-7522-493-3

**29. RABINDRA RACHANAVALI (Popular) (VOL. 2)**

Author : Rabindranath Tagore  
ISBN : 978-81-7522-438-4

**30. RABINDRA RACHANAVALI (Popular) (VOL. 5)**

Author : Rabindranath Tagore  
ISBN : 978-81-7522-360-8

**31. RABINDRA RACHANAVALI (Popular) (VOL. 6)**

Author : Rabindranath Tagore  
ISBN : 978-81-7522-361-5

**32. RABINDRA RACHANAVALI (Popular) (VOL. 8)**

Author : Rabindranath Tagore  
ISBN : 978-81-7522-363-9

**33. RABINDRA RACHANAVALI (Popular) (VOL. 11)**

Author : Rabindranath Tagore  
ISBN : 978-81-7522-366-0

**34. RABINDRA RACHANAVALI (Popular) (VOL. 12)**

Author : Rabindranath Tagore  
ISBN : 978-81-7522-367-7

**35. RABINDRA RACHANAVALI (Popular) (VOL. 14)**

Author : Rabindranath Tagore  
ISBN : 978-81-7522-369-1

**36. RUSSIAN CHITHI**

Author : Rabindranath Tagore  
Price : Rs. 150.00  
ISBN : 978-81-7522-568-8

**37. SAVYATAR SAMKAT**

Author : Rabindranath Tagore  
Price : Rs. 60.00  
ISBN : 978-81-7522-216-8

**38. SAHAJPATH (VOL. 1)**

Author : Rabindranath Tagore  
Price : Rs. 90.00  
ISBN : 978-81-7522-410-0

**39. SAHAJPATH (VOL. 4)**

Author : Rabindranath Tagore  
Price : Rs. 120.00  
ISBN : 978-81-7522-055-3

**40. SAHITYA**

Author : Rabindranath Tagore  
Price : Rs. 180.00  
ISBN : 978-81-7522-435-3

**41. SAHITYER PATHE**

Author : Rabindranath Tagore  
Price : Rs. 160.00  
ISBN : 978-81-7522-436-0

**42. SANCHAYITA (BOARD BINDING)**

Author : Rabindranath Tagore  
Price : Rs. 700.00  
ISBN : 978-81-7522-047-8

**43. SESHAR KABITA**

Author : Rabindranath Tagore  
Price : Rs. 110.00  
ISBN : 978-81-7522-266-3

**44. SISU**

Author : Rabindranath Tagore  
 Price : Rs. 100.00  
 ISBN : 978-81-7522-058-4

**45. SVRABITAN (VOL. 3)**

Author : Rabindranath Tagore  
 Price : Rs. 230.00  
 ISBN : 978-81-7522-235-9

**46. SVRABITAN (VOL. 44)**

Author : Rabindranath Tagore  
 Price : Rs. 120.00  
 ISBN : 978-81-7522-546-6

**47. SVRABITAN (VOL. 59)**

Author : Rabindranath Tagore  
 Price : Rs. 120.00  
 ISBN : 978-81-7522-458-2

**48. SVRABITAN (VOL. 62)**

Author : Rabindranath Tagore  
 Price : Rs. 100.00  
 ISBN : 978-81-7522-548-0

**49. THAKURBARIR BHUTER GALPA**

Edited : Sirshendu Mukhopadhyay  
 Price : Rs. 350.00  
 ISBN : 978-81-7522-419-3

**PARTICIPATION IN BOOK-FAIRS:**

Sl.	Name of Book Fair during F.Y 2019-2020	Date
1.	Rabindra Sadan Book Fair	09.05.19-24.05.19
2.	Jamshedpur Book Fair	08.11.19-17.11.19
3.	Kalyani Book Fair	06.12.19-16.12.19
4.	Vivakananda College for Women	09.12.19-10.12.19
5.	Poush Mela (Santiniketan)	23.12.19-25.12.19
6.	World Book Fair (New Delhi)	04.01.20-12.01.20
7.	Kolkata Book Fair	29.01.20-09.02.20

**SALE STATEMENT:**

Gross Sale in the year 2019-2020 : Rs. 2,45,93,936.50  
 Net Sale in the year 2019-2020 : Rs. 1,74,41,395.00

## Bangladesh Bhavana

Bangladesh Bhavana is, no doubt, a new feather on the precious crown of Visva-Bharati in recent time, which the University was befitted in 2018. The Hon'ble Prime Ministers of India and People's Republic of Bangladesh, Shri Narendra Modi and Sheikh Hasina respectively inaugurated the Bhavana before an august audience from both the countries on 25th of May, 2018. Bangladesh Bhavana was constituted as a monument of the bilateral relationship between the neighboring two countries to mark the common history, struggle, language and culture (partly), ethnicity and obviously on the common emotional attachment of the two nations. Gurudeva Rabindranath Tagore, undoubtedly, has been one of the common inspirations in building up the National entity in the both countries. Especially, the Bengali folk of the both sides possess a common legacy for thousand years. The Prime Minister of Bangladesh Sheikh Hasina expressed her earnest desire to Government of India for establishing this Bhavana while her visit to New Delhi in 2010; and in 2013, the then President of India Shri Pranab Mukherjee announced for the proposal in Dhaka thereafter and urged to set the site at Santiniketan. Santiniketan has been a natural selection for site of the Bhavana as this 'abode of peace' of the bard still causes vibrance amongst the Bengali psyche in the both sides of the divisive political border. The cost of building up the Bhavana was entirely borne by the Govt. of Bangladesh. On the other hand, a land of 28880 sq.ft was donated by Visva-Bharati with consent to the Govt. of India.

The architectural uniqueness of the Bhavana attracts people from home and abroad to the Bhavana. The Bhavana run mainly on the interest incurred of the one-time corpus fund amounting Rupees 10 Crores gifted by the Government of Bangladesh on 29.01.2019.

Here is a brief account of present situation and performances during the academic year 2019-20 of newly established Bangladesh Bhavana at Santiniketan.

### **Departmental Activities:**

01.07.2019: Bangladesh Bhavana on behalf of Visva-Bharati organized 'Nazrul Smaran' for first ever at Visva-Bharati. Prof. Sumita Chakraborty delivered speech on the poet Nazrul Islam as Invited Speaker. 'Chhayanat', a cultural troupe led by Smt. Somrita Majumdar performed a cultural event based on Nazrul songs and poems. Vice-Chancellor Prof. Bidyut Chakrabarty presided over the occasion.

27.07.2019: Bangladesh Deputy High Commission and Bangladesh Bhavana jointly organized 'Rabindra-Nazrul Jayanti'. Many distinguished artists from Bangladesh like Joseph Kamal Rodrigues and Anima Roy presented a spectacular cultural performance. The Deputy High Commissioner along with dignitaries from the High Commission graced the occasion. Prof. Bidyut Chakrabarty, the Vice-Chancellor of Visva-Bharati presided over the cultural evening.

23.09.2019: Bangladesh Bhavana in collaboration with Garden Section of Visva-Bharati planted saplings around the Bhavana aiming at to make the place green and flowery with common seasonal flowers of Bengal. Prof. Asha Mukherjee, the Registrar (Acting) initiated the program with planting a sapling.

16.12.2019: The students both from India and Bangladesh nationals organized 'Vijoy Divas' for second time at the portico of the Bhavana to pay tribute to the martyrs of India and Bangladesh

during liberation war of Bangladesh.

21.02.2020: Visva-Bharati observed solemnly the 'International Mother Language Day' at Bangladesh Bhavana premises. The Bangladesh Bhavana and the Foreign Students Assistance Cell jointly organized the programme on behalf of Visva-Bharati.

The main wings:

**a) Museum:**

The Museum was officially declared open to all on 18th September 2018.

Bangladesh Bhavana has always been coordinating with the Ministry of Culture, Peoples' Republic of Bangladesh through Deputy High Commissioner of Bangladesh at Kolkata to make the present Museum more vibrant and to make it thematic. The Bhavana has been maintaining constant and consistent touch with them. Extension work of the museum is yet to be completed by Bangladesh Govt.

More than 3700 visitors on an average per month visited the Museum throughout the year 2019-20. Bangladesh Bhavana received three gifts as token of adoration from different Organisation/institution of Bangladesh. 01- Plaque/A boat made of metallic substance, 02-Metallic plaque, 03- Wooden Artefacts have been received in current year.

Visitors' Book which the Bhavana has introduced in the Museum is well appreciated by the Visitors. The suggestions as well the feedbacks from the visitors have been forwarded to the Deputy High Commission at Kolkata for betterment of the Museum at Bangladesh Bhavana.

Considering the passion, emotional attachment, enthusiasm and advice among visitors (particularly the people of Bangladesh and West Bengal) the Museum wing has compiled a Brochure based on the brief history of Bangladesh (since undivided period and thereof) and objects/prints displayed in the Museum. This is ready to be printed.

The Bhavana has attended the dignitaries and higher officials both from India and Bangladesh. The Bangladesh Bhavana, particularly the Museum of it has emerged itself a destination of priority at Santiniketan for Visitors since its very inception. School/College/University students from different parts of India and Bangladesh are well guided to convey the spirit of the Bhavana.

**b.) Library**

Bangladesh Bhavana Library is unique in its nature as almost all books stacked here are published solely from Bangladesh and donated by Bangladesh Govt. Books on Mother Language Movement (1952) and Liberation War of Bangladesh (1971) certainly outweigh the Library. Nonetheless, the Books by Rabindranath, Nazrul, Lalan Fakir are other items worthy to be mentioned. The two types of entire sets of Rabindra Rachanavali and two sets of complete Nazrul Rachanavali enrich the concerned scholars, and the scholars from outside of Santiniketan come for study in this library free of cost.

The Bhavana has approached to the Deputy High Commission at Kolkata to make the Library unique one in West Bengal with the adequate resources for Bangladesh Studies; Lalan studies, Nazrul studies, Jibananda studies and Jasimuddin studies with potential study materials.

Total number of Books in the Library is 3415 (Books donated by Bangladesh Government 3187, Books collected as individual gift 198, Books collected through Central Library 30).

Number of Scholars/Readers enrolled their names: 87

Number of Visitors/Persons visited the Library in 2019-20: 2830

Number of books digitally catalogued: 2076

Number of Newspapers collected through Central Library for the readers: 02 (Anandabazar and The Statesman)

Number of Bengali literary Magazine for the readers collected through Central Library:01(Desh)

Number of local Magazine collected as gift: 03 (Nayaprojanma, Choupahari, BirbhumerAdhikar)

One leaflet/brochurecontaining the objectives of the Library and the items/articles available here has been prepared in this year.

Number of Bibliography (Books on/by Nazrul 01) has been prepared in current year.

C.) Auditorium, Seminar Halls and Cafeteria: Bangladesh Bhavana has the biggest Auditorium of Visva-Bharati having 453 seats with all modern amenities. There is a spacious Cafeteria and two Seminar Rooms (partitioned by a movable wall with a capacity to accommodate 350 persons) for any academic or cultural program of Visva-Bharati. Bangladesh Bhavana provides the hall to Visva-Bharati for meetings/ Assembling. Bangladesh Bhavana has been a place for uniting the Visva-Bharati fraternity in taking collective decisions and endeavors.

### **FuturePlanning:**

As per the MoU signed between Govt. of Bangladesh and Visva-Bharati on 25.05.2018, the University is aspirant to make a Study and Research Centre in Bangladesh Bhavana in future.

Bangladesh Bhavana is in very initial stage of its existence. It is trying its best for thriving in near future. The Bhavana is mainly dependent on the money incurred of interest from corpus fund received from Govt. of Bangladesh. The Bhavana is now finding out the source of constant and consistent flow of means to go ahead with its motto of bridging up the two neighboring countries.



## **A.K.Dasgupta Centre for Planning and Development**

In 1995 erstwhile Planning Commission took up a scheme to set up a Unit and a Chair, each in some selected Universities, to promote teaching and research in Planning and Development. Visva-Bharati was one of these Universities which obtained the endowment. The first paragraph of the first very correspondence made by the erstwhile Planning Commission on this subject states, "Planning Commission has been interested in promoting studies and research on Planning and Development and raising an informed debate on the related issues." The major areas on which the Unit has been concentrating its research activities are Rural Development, Agriculture, Rural Health, Child Development and impact assessment of programmes of the government of India. Now the Unit is named in the name of Professor A.K.Dasgupta. The erstwhile Planning Commission renamed the Chair and Unit in 2012 as "Professor A.K.Dasgupta Chair in Planning and Development" and the Unit as 'A.K.Dasgupta Centre for Planning and Development. Presently the Centre is housed in the residence of Late Professor A.K.Dasgupta at 33, Purbapalli, Santiniketan. The Centre is sponsored by the NITI AAYOG, Govt. of India under the Chairmanship of the Vice-Chancellor, Visva-Bharati.

### **Departmental Seminar/Workshop:**

21.06.2019- 30.06.2019: 10 days National Workshop: Research Methodology Workshop in Social Sciences.

17.07.2019- 23.07.2019: 07 days National Workshop: Understanding SPSS & its Application in Research.

30.07.2019-08.08.2019: 10 days National Workshop: National Research Methodology Workshop in Social Sciences.

14.09.2019- 23.09.2019: 10 days National Workshop: Application of 'R' in Research & Development.

02.12.2019- 11.12.2019: 10 days National Workshop: Advance Application of 'R' in Planning, Research and Development.

### **National and International standard Conference/Seminar/ Workshop/Exhibition etc. Details of Chairing/ Evaluation/presentation made by Teachers/Research Scholars:**

01.02.2020: National Seminar on : Paradigms of Development.

24.05.2019- 24.02.2019: Invited lecture on "Sustainable Education" in the global conference held in the Saibaba Ashram at Mudeunahali, Karnataka.

Delivered lecture in memory of Prof. Prasanta Chandra Mahalanobish on "Mahalanobish's Contribution to Indian Planning and Development" organized by Bureau of Applied Economics and Statistics [Suri, Birbhum].

14.08.2019: Delivered invited lecture in the orientation programme [of college and university faculties], organized by the Academic Staff College, The University of Burdwan on 14th August, 2019.

13.09.2019: Chaired a session and delivered two invited lectures in the seminar on Mahatma Gandhi, organized by Bharatiya Vidya Bhavana at Haldia.

30.07.2019: Delivered a lecture on "Value Education" at Vidyasagar College, Suri.

01.02.2020: Delivered a lecture on "The Problem of Indian Rupee and its solution-as envisaged by B.R.Ambedkar" in the National Seminar on "Contribution of B.R.Ambedkar in Modern India" organized by the Department of Marathi and SC,ST, OBC Cell of Visva-Bharati .

**Publication:**

**Working Paper:**

"Issues of Water Resource Management in Sriniketan-Santiniketan Planning Area", Published by New Delhi Publishers. ISBN-9789388879587.

"Perspectives on Rural Tourism: Sustainability Issues and Ethno Cultural Preservation" Published by Akshar Prakashni. ISBN - 9788193792223.

**Book:**

"Nassau Senior and The Evolution of English Classical Political Economy", by Dr. Asis Kumar Dasgupta. Published by New Delhi Publishers. ISBN-9789388879682.

**Edited Book**

"Gender and Development: Aspects of Social and Economic Change", Edited by Pranab Kumar Chattopadhyay and Daya Shankar Kushwaha. Published by New Delhi Publishers. ISBN-9789388879545.

## SC/ST Cell

### **Visva-Bharati has set up a Special Cell for SC & ST in 1983 and it has the following activities:**

The Special Cell for SC & ST has been set up by Visva-Bharati to look after the implementation of reservation policy in respect of student admission, recruitment of Teaching and Non-Teaching staff and promotion of Non-teaching staff. A Professor-in-charge and an Assistant Registrar are posted to look after the activities of the Cell and they are assisted by One Section Officer, Two Senior Assistants, One Office Assistant-cum-Typist and one Peon (Casual Worker). Presently, this Cell is functioning as SC/ST/OBC and PWD Cell.

Prof. Larisha M Lyndem, Department of Zoology, Siksha Bhavana, Prof. Debasis Bhattacharya, Department of Statistics, Palli Siksha Bhavana and Dr. Sanjoy Ghosh, Joint Registrar(Accounts ), Visva-Bharati have been appointed as Liaison Officer for SC,ST and PWD, Liaison Officer for EWS and Liaison Officer for OBC category respectively.

A Standing Advisory Committee on SC/ST has been constituted by the Upacharya to review and monitor the implementation of reservation policies in respect of the employees (Teaching and Non-teaching) and Students' Admission. Moreover, a 'Committee for Monitoring Reservation in Admission' has also been constituted to observe the proper implementation of reservation policy in respect of admission for SC, ST, OBC & PWD and EWS students in different Bhavanas.

The Cell is maintaining Reservation Rosters and Reservation Roster Registers of SC/ST/OBC & EWS of Teaching and Non-teaching posts in direct recruitment and in case of promotion. The Reservation Registers are also introduced for Persons with Disabilities in all Group A,B, C & D posts in direct recruitment and in case of promotion of Group C & D of Non-teaching posts only. The Govt. of India Guidelines/Circular regarding reservation policy and other related matters are implemented with the approval of the Executive Council of the University. A special recruitment drive was made to fill up the backlog and short fall of SC/ST in teaching posts in the year 2010 & 2019. Apart from this, according to the UGC's guidelines vide letter No.F.1-5/2006 (SCT) dated 25.07.2006 the posts of Professor and Associate Professor have also been brought under the purview of reservation and a few vacant posts of Professors and Associate Professors have been filled up, however, it will take time to clear the shortfall in recruitment of SC/ST candidate on these posts.

A Scheme of 'Remedial Coaching' at UG & PG level were introduced for SC/ST/OBC and Minority students of the University as instructed by the UGC under General Development Assistant Grant during XII Plan and a large number of students of these communities is getting benefited from the scheme. However, at present the scheme is not functioning.

The Cell regularly collects and maintains Statistical Data on its areas of activity and compiles them for onward transmission to the UGC/MHRD/National Commission for SC, ST & OBC/Lok Sabha/Rajya Sabha in the prescribed format time to time.

Any complaints/grievances lodged by the SC/ST/OBC students or employees are timely looked into and brought to the notice of the University administration for their timely and proper redressal. With the approval of the competent authority of the University the Cell is following 5% reservation for PWD and Central List of OBC in admission and 4% in recruitment.

## Indira Gandhi Center

The 'Indira Gandhi Centre for National Integration' was established as a part of Visva-Bharati in 1986 with the funding of UGC in tune with the ideas of Tagore's Universal brotherhood, feeling of oneness. Later in December 2012, the Centre was re-named as 'Indira Gandhi Centre' a part of Tagore Memorial Institute (TMI), widened its area of focus on International Understanding and Relations.

The centre proposes to act as forum academic, social and cultural interactions among foreign students and scholars of this University with specific interactive programmes. Now Indira Gandhi Centre with this prominent responsibility of International understanding will act as the nodal organization of the University to promote and carry out specific programmes which will maintain National Importance of Visva-Bharati along with its projection at the International arena with its legacy and prospects of modern era.

### Departmental Seminar (Speakers, Title Of the Seminar, Date)

#### Departmental Seminars

1. 27.7.2019: Speaker- Sri Debashish Mukherjee, [Senior Research Scholar, Ministry of culture] title of the seminar- Influence of Tarasankar Bandopadhyay on Rabindranath.
2. 18.8.2019: Speaker- Dr. Srila Basu [Associate Professor, Dept of Bengali, Visva-Bharati. Title of the Seminar- Experiences of Bengal rural art practices in England.
3. 26.8.2019: speaker- Prof. Biswanath Roy professor (rtd), Calcutta University, Dept of Bengali, Title of the seminar- Rabindranath Tagore, Surendranath Tagore and their deliberations on Mahabharata.
4. 8.9.2019: (on the eve of the international literary day) Speaker- Prof. Tarak Pan (rtd), Visva-Bharati, Title of the Seminar - draft of national education policy.

#### Exhibition

Every year, Indira Gandhi Centre, organize & departmental Exhibition during "Pousmela". In the year 2019, the process was repeated and the photographs of the various moments of activities were displayed.

Not only that, in the year 2019 Indira Gandhi Centre had displayed a short video presentation of the centre, which was very much appreciated by the spectators.

#### Workshop

Indira Gandhi Centre and Akhil Bharatiya Hindi Sangsthan, Agra have Jointly collaborated for a Bengali- Hindi Dictionary Project. The workshop was divided into two phases.

05.08.2019 to 10.08.2019, 1st phase.

15.11.2019 to 20.11.2019, 2nd phase.

#### Ongoing Research Projects in the Department

Indira Gandhi Centre is a small researches centre of visva-bharati, research proposal are taken here and infrastructural facility are provided by the Centre. Research associate looks after the projects

b.Name of the Teacher-(project is taken care of by the Mita Sarkar (Research Associate)

c.Name of the Project-

a) INDUS VALLEY CIVILIZATION AND THE HEALTH PRACTISES

b) BILL BOARDS, MASS COMMUNICATION AND THE HEALTH ISSUES.

**Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and Students of the Department.**

1. Indira Gandhi centre jointly with CMELLCS (Centre of Modern European Language Literature and Culture Studies) conducted some extension activities.

Indira Gandhi Centre with CMELLCS conducted workshop on "Relevance of Foreign Language and Philologies".

2. Indira Gandhi Centre has accommodate "Foreign students Assistance Cell") to help the foreign students who come to Visva-Bharati for academic purposes.

Indira Gandhi Centre and Foreign Students Assistance Cell has jointly organized the celebration of International Mother Language Day with the help of Bangladesh Bhavana on 21.02.2019. Most of the Foreign Students took part in the morning procession and the cultural programme on that evening at Bangladesh Bhavana Auditorium. Honorable Vice Chancellor and other dignitaries present in the evening programme.

**Designing New Course/ Curriculum or any other teaching innovations introduced by the Department**

Indira Gandhi Centre has applied for Atal Innovation Mission and Financial Assistance to NITI AYOJ, Government of India.

**Other relevant information:**

1) On 11.06.2019: Indira Gandhi Centre and Akhil Bharatiya Sahitya Parisad (West Bengal) jointly conducted an assemblage to inaugurate the maiden issue of the Trimester Journal "sahityapath".

The conference was held in the conference hall of the Indira Gandhi Centre. Chief guest of the assemblage was DR. Jishnu Basu, Saha Institute of Nuclear Physics. Chairman was Prof. Rameswar Misra Visva-Bharati, Inaugurator of the Journal was Professor Achinta Biswas, ex vice-chancellor of Gour Banga University and member Visva-Bharati Samsad.

Indira Gandhi Centre has published a website linked to Visva-Bharati website and a database for foreign students.

## Chapter 3

### ACADEMIC CALENDAR/PROGRAMMES for the year : 2019-2020 ACADEMIC SESSION FROM 1st June 2019 to 15<sup>th</sup> May, 2020

#### 1. Academics Programmes:

Programmes	Time Schedule
<b>1. Admission</b>	
a) Admission form of different courses and prospectus available through University website.	From 08 <sup>th</sup> May, 2019
b) Last date for receipt of application form through-online	10 <sup>th</sup> June, 2019
Online publication of merit list	21 <sup>st</sup> June, 2019
Counseling of candidates (UG)	June 2019 - August 2019
Commencement of Classes	As per Bhavana
d) Admission Test - PG Courses & results thereof	July 2019 - August 2019
e) Admission to PG Courses	July 2019 - August 2019
<b>2. Commencement of classes</b>	
a) Patha-Bhavana and Siksha-Satra (Secondary and Higher Secondary education)	4 <sup>th</sup> January & 1 <sup>st</sup> July, 2019
b) UG-I, III, V, VII, PG-I, III, B.Ed., B.PEd. and Dipl. in B. Fine Arts Courses	5 <sup>th</sup> July, 2019
c) UG-II, IV, VII, VIII and PG-II, IV Courses	By 4 <sup>th</sup> January, 2019
<b>3. Certificate / Diploma / Adv. Diploma Courses</b>	
a) Advertisement for Admission and Completion of Admission process & Commencement of classes [Certificate / Diploma / Adv. Diploma / Courses (Foreign and Indian)] in Fine Arts and Bridge courses in Fine Arts)	Advertisement: 8 <sup>th</sup> May, 2019 Admission Process: 31 <sup>st</sup> August, 2019
<b>4. Form fill-up for End-Semester Examinations</b>	
a) School Certificate/ Pre-Degree Examination (Annual)	From last week of December, 2019 to 15 <sup>th</sup> January, 2020
b) UG-II, IV, VI, VIII, PG-II and PG-IV Semesters/ other final years	Within 3 <sup>rd</sup> week of March, 2019
c) UG-I, III, V, VII & PG-I, III Semesters	Within 10 <sup>th</sup> November, 2019
<b>5. Submission of Internal Assessment Marks</b>	
	To be submitted to the Examination Section by at least one week before the commencement of particular Examination.

## 6. Examinations

- a) School Certificate  
Pre-Degree
- b) UG-I, III, V, VII and PG-I, III & V Semesters
- c) UG-II, IV, VI, VIII and PG-II, IV Semesters
- d) M.Phil.

1<sup>st</sup> Semester will be completed within 21<sup>st</sup> December, 2019 and 2<sup>nd</sup> Semester will be completed within 15<sup>th</sup> May, 2020.

To be completed by 29<sup>th</sup> March, 2019

To be completed by 26<sup>th</sup> March, 2019

To be completed by 20<sup>th</sup> December, 2019

To be completed by 15<sup>th</sup> May, 2020

To be completed by 15<sup>th</sup> June, 2019

### 7.A. Vacation for - Patha-Bhavana & Siksha-Satra

- a) First spell (**Summer vacation**)
- b) Second spell (**Puja Vacation**)

10<sup>th</sup> May to 9<sup>th</sup> June, 2019

29<sup>th</sup> Sept to 29<sup>th</sup> Oct., 2019

### 7.B. Vacation for Faculty

- a) First spell - Summer Vacation
- b) Second spell - Puja Vacation
- c) Third spell - Winter Vacation

10<sup>th</sup> April to 19<sup>th</sup> May, 2019

4<sup>th</sup> Oct. to 13<sup>th</sup> Oct., 2019

28<sup>th</sup> Dec 2019 to 31<sup>th</sup> Dec 2019

## 8. Publication of Results

- a) School Certificate/Pre-Degree
- b) UG-I, III, V, VII and PG-I, III Semesters
- c) UG-II, IV, VI, VIII and PG-II, IV Semesters

By 10<sup>th</sup> June, 2019

Within one month from the completion of Exam

Within one month from the completion of Exam

### 9.a) Selection of Research Scholar - Department wise

- b) Commencement of Ph.D. Coursework
- c) Publication of Results of Ph.D. Coursework  
(one semester only)

July of every year

August of every year

April of every year

## 2. Endowment Lectures:

The following endowment lectures were organised during the year 2019-20.

- (a) Maharshi Debendranath Memorial Lecture.
- (b) Prof. Ashin Das Gupta Memorial Lecture.
- (c) Hazariprosad Dwivedi Memorial Lecture.
- (d) Dr. Devakinandan Srivastava Memorial Lecture.
- (e) Pijush Kumar Mukhopadhyay Memorial Lecture.
- (f) Prof. Ashok Rudra Memorial Lecture.

## 3. Ordinance & Amendments:

No Ordinance/Amendments have been passed/amended during the Academic Year 2019-20.

#### 4. Functions & Festivals:

August 08 (22Shraban), 2019	-	Rabindranath's death anniversary & Briksha-ropana
August 09, 2019	-	Halakarshana
August 09 to 14, 2019	-	Rabindra Saptaha
August 15, 2019	-	Independence Day
August 16, 2019	-	Barsha Mangala
August 29, 2019	-	National Sports Day
September 05, 2019	-	Teachers' Day
September 18, 2019	-	Shilpotsava
September 28, 2019	-	Ananda Bazar & Mahalaya
October 02, 2019	-	Gandhi Jayanti
October 31, 2019	-	Rashtriya Ekata Divasa
November 14, 2019	-	Childrens Day
November 27, 2019	-	Rathindranath's Janmotsava
November 29, 2019	-	Constitution Day
December 1 - 2, 2019	-	Nandan Mela
December 19, 2019	-	Devendranath's Janmotsova (Mandir)
December 24 (7 Pous), 2019	-	Maharshi Initiation Day & Pousa-Utsava
December 25 (8 Pous), 2019	-	Visva-Bharati Foundation Day & Chirstotsava
January 12, 2020	-	National Youth Day
January 21 (6 Magh), 2020	-	Maharshi Smarana
January 23, 2020	-	Netaji's Birthday
January 25 (11 Magh), 2020	-	Maghotsava
January 26, 2020	-	Republic Day
January 28 to 31, 2020	-	Visva-Bharati Annual Atheletic Meet
February 06 to 08, 2020	-	Sriniketan Anniversary & Magh-mela
March 10, 2020	-	Gandhi Punnyaha
March 25, 2020	-	Vasantotsava
April 15, (1 Baishak), 2020	-	Bengali Navavarsha & Rabindra Janmotsava
May 09 (25 Baishak), 2020	-	Rabindra Janma-Tithi
June 21, 2020	-	International Yoga Day



## Chapter-IV Students' Statistics Students Strength as on 31.03.2020

### Name of the Course : Under Graduate

	General		Scheduled Caste		Scheduled Caste		Physically Handicapped		OBC Student		Monority Category		Citizenship		Resident Student	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1Yr.	365	440	139	98	40	50	23	07	150	158	95	56	-	-	-	-
2 Yr.	344		418	116	58	60	42	22	07	173	182	81	53	-	-	-
3 Yr.	296		380	112	97	53	31	09	07	162	137	48	61	-	-	-
4 Yr.	32		30	15	08	02	06	01	--	31	06	01	01	-	-	-
<b>Total : 1037</b>			<b>1268</b>	<b>382</b>	<b>261</b>	<b>155</b>	<b>129</b>	<b>55</b>	<b>21</b>	<b>516</b>	<b>483</b>	<b>225</b>	<b>171</b>	-	-	-

### Name of the Course : Post Graduate

	General		Scheduled Caste		Scheduled Caste		Physically Handicapped		OBC Student		Monority Category		Citizenship		Resident Student	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1Yr.	349	454	102	91	41	34	11	06	139	144	109	72	-	-	-	-
2 Yr.	326	402	112	97	38	26	05	01	170	121	67	54	-	-	-	-
<b>Total: 675</b>	<b>856</b>	<b>214</b>	<b>188</b>	<b>79</b>	<b>60</b>	<b>16</b>	<b>07</b>	<b>309</b>	<b>265</b>	<b>176</b>	<b>126</b>	-	-	-	-	-

### Name of the Course : M.Phil

	General		Scheduled Caste		Scheduled Caste		Physically Handicapped		OBC Student		Monority Category		Citizenship		Resident Student	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1Yr.	34	18	08	04	03	02	03	0	14	08	08	04	-	-	-	-
2 Yr.	17	20	06	06	-	04	-	-	15	12	-	-	-	-	-	-
<b>Total: 51</b>	<b>38</b>	<b>14</b>	<b>10</b>	<b>03</b>	<b>06</b>	<b>03</b>	<b>-</b>	<b>29</b>	<b>20</b>	<b>08</b>	<b>04</b>	-	-	-	-	-

### Name of the Course : Ph.D

	General		Scheduled Caste		Scheduled Caste		Physically Handicapped		OBC Student		Monority Category		Citizenship		Resident Student	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1Yr.	82	56	19	05	03	03	01	-	22	08	19	07	-	-	-	-
2 Yr.	72	59	28	10	06	04	-	-	32	23	12	01	-	-	-	-
3Yr.	52	58	20	07	03	-	02	-	25	14	14	12	-	-	-	-
4 Yr.	94	80	17	14	07	05	-	02	26	14	12	06	-	-	-	-
5 Yr.	93	72	25	12	10	06	01	01	42	29	11	11	-	-	-	-
<b>Total : 393</b>	<b>325</b>	<b>109</b>	<b>48</b>	<b>29</b>	<b>18</b>	<b>04</b>	<b>03</b>	<b>147</b>	<b>88</b>	<b>68</b>	<b>37</b>	-	-	-	-	-

**Name of the Course : Diploma**

	General		Scheduled Caste		Scheduled Caste		Physically Handicapped		OBC Student		Monority Category		Citizenship		Resident Student		
	M	F	M	F	M	F	M1	F	M	F	M	F	M	F	M	F	
1Yr.	21	18	04	02	01	02	-	-	11	02	04	-	-	-	-	-	-
<b>Total</b>	<b>21</b>	<b>18</b>	<b>04</b>	<b>02</b>	<b>01</b>	<b>02</b>	<b>-</b>	<b>-</b>	<b>11</b>	<b>02</b>	<b>04</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**Name of the Course : Certificate**

	General		Scheduled Caste		Scheduled Caste		Physically Handicapped		OBC Student		Monority Category		Citizenship		Resident Student	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1Yr.	63	105	17	21	03	02	03	-	14	13	10	07	-	-	-	-
<b>Total</b>	<b>63</b>	<b>105</b>	<b>17</b>	<b>21</b>	<b>03</b>	<b>02</b>	<b>03</b>	<b>-</b>	<b>14</b>	<b>13</b>	<b>10</b>	<b>07</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

## Chapter-V

### Campus Development for the year 2019-2020

Projects being executed under "Campus Development"  
out of Capital Assets for the year 2019-2020(Rs. in lakh)

Sl.	Name of the project/work	Allocation	Execution
<b><u>A. Major repair/renovation of boundary wall/fencing :</u></b>			
1	Major repair of boundary wall from Chemistry Department to old library at Siksha-Bhavana, Santiniketan.	14.97	Engineering Department, Visva-Bharati
2	Major repair of boundary wall and guard wall near Veterinary Hospital at Dakshin Palli, Santiniketan.	3.02	Engineering Department, Visva-Bharati
3	Fencing of Patha Bhavana boundary wall from Santoshalya to Benikunj, Santiniketan	4.77	Engineering Department, Visva-Bharati
4	Extension of existing boundary wall adjacent to Balipara area at Santiniketan.	28.00	Eng. Dept. Visva Bharati
5	Repair of boundary wall from back side of Social Work (KVK to BDO Office) at Sriniketan.	10.50	Eng Dept. Visva-Bharati
6	Extension of boundary wall from back side of Nisha Hotel towards back side of Sarada Lodge at Santiniketan.	15.00	Eng Dept. Visva-Bharati
	<b>Total</b>	<b>76.26</b>	
<b><u>B. Improvement/major repair of drains:</u></b>			
1	Improvement of drains behind Patha-Bhavana kitchen at Santiniketan.	5.24	Eng Dept. Visva-Bharati
<b><u>C. Major repair/restoration/improvement of electricity supply system:</u></b>			
1	Restoration of dedicated feeder at various hostels (Sriniketan area, Vinaya-Bhavana boys' & girls' hostel and Nanadan Sadana Hostel) and other areas as essential.	14.00	Eng Dept. Visva-Bharati

<b><u>D.</u></b>	<b><u>Water Supply System:</u></b>		
1	Major repair/replacement/improvement of water supply system (water distribution of main pipe line, valves and other accessories etc.)	4.50	Eng. Dept. Visva-Bharati
	<b>Grand Total</b>	<b>100.00</b>	
<b><u>E.</u></b>	<b><u>Repair/Renovation/Constructions of Toilets</u></b> under Swachha Bharat Abhiyan	100.00	Eng. Dept. Visva-Bharati
<b><u>F.</u></b>	<b><u>Library support preferably E-Resource</u></b> (Perpetual Access)	100.00	University Librarian

## Chapter-VI University Finance

Head of A/C	Actual 2015-16 Rs. In lakhs	Actual 2016-17 Rs. In lakhs
<b>RECEIPTS :</b>		
UGC Grant	21706.99	22108.16
Self Generation	873.41	892.73
<b>TOTAL :</b>	<b>22634.40</b>	<b>23000.89</b>
<b>PAYMENTS :</b>		
Pay & Allowance	13248.76	13390.70
Pension & Retirement Benefits	6303.98	6442.43
Non-Salary Expenditure	1953.26	2085.67
<b>TOTAL :</b>	<b>21506.00</b>	<b>21918.80</b>

### Statement for Grants Released and Expenditure for Annual Reports

	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>
<b><u>Salary</u></b>			
Opening Balance	2870.75	2359.25	-349.69
Grants Released	17562.61	15231.46	21000.00
Expenditure	18074.11	17940.40	20836.28
Closing Balance	2359.25	-349.69	-185.97
<b><u>Recurring</u></b>			
Opening Balance	472.10	15.48	-115.79
Grants Released	6549.90	9114.52	10866.44
Internal Receipts	894.67	883.73	1231.61
Expenditure	7901.19	10129.52	12801.10
Closing Balance	15.48	-115.79	-818.84
<b><u>Capital Assets</u></b>			
Opening Balance	0.00	0.00	0.00
Grants Released	1669.83	1225.00	900.00
Expenditure	1177.26	939.34	400.01
Closing Balance	492.57	285.66	499.99

## Chapter-VII

### Physical Education

#### Sports, National Service & Students' Welfare, Visva-Bharati Details of activities for Annual Report (2019-2020)

##### Activities of NSS, NCC under Office of the Director PSNS, Visva-Bharati

Sl. No.	Name of the Programme	Date	Place	Number Of Students Participated	Remarks
1	Celebration of International Day of Yoga 2019	15.06.2019 to 21.06.2019	University Campus Visva-Bharati	1101	
2	Blood Donation Camp	22.07.2019	Siksha-Satra Campus	75	
3	Blood Donation Camp	30.07.2019	Uttar Siksha Sadan	81	
4	Sabujayan (Tree Plantation 2019)	08.08.2019	Ashram Ground	297	Planted 200 Tree at Ashram Ground
5	Anti Drug Awareness Programme	19.08.2019	New Building, Bhasha-Vidya Bhavana	95	
6	Celebration of Independence Day - 2019	15.08.2019	Vinaya Bhavana Play Ground	124	
7	Celebration of NSS Day	24.09.2019	Natya Ghar	1485	
8	Swachhata Hi Seva (MHRD sponsored programme)	19.09.2019	Binuriya Gram	98	
9	Poush Mela (1. Environmental awareness Programme Campaign, 2. Cleaning Programme/Drive, 3. Other Volunteers Services )	23.12.2019 to 26.12.2019	Poush Mela ground	1800	
10	Cleaning Programme (Swachhata Bharat Abhiyan)	28.12.2019 & 29.12.2019	Poush Mela ground	1250	
11	Participation of NSS Volunteers in Republic Day - 2020 Parade Selection Trail	02.01.2020	Kolkata	17	

12	Fit India Movement	18.01.2020	Bhasha Bhavana to DSW Office	90
13	Participation of NSS Volunteers in Republic Day 2020 Parade at Red Road, Kolkata	05.01.2020 to 26.01.2020	Red Road Kolkata	2
14	Republic Day Celebration - 2020	26.01.2020	Vinaya Bhavana Play Ground	124
15	Blood Donation Awareness Camp	12 & 13 Feb, 2020	PSB Campus	108
16	Gandhipunyaha	10.03.2020	Santiniketan and Sriniketan campus	435

### Cultural Activities

Sl. No.	Name Of The Event	Date	Place	Number Of Student	Remarks
1	35th East Zone Inter- University Youth Fest 2019-2020				
A	Classical Instrumental (Percussion Solo)	11.11.2019 to 15.11.2019	The Assam Royal Global University, Guwahati	1	Second Prize
B	Classical Vocal (Solo)	11.11.2019 to 15.11.2019	The Assam Royal Global University, Guwahati	1	Third Prize
C	On Spot Painting	11.11.2019 to 15.11.2019	The Assam Royal Global University, Guwahati	1	Third Prize
D	Flok/Tribal Dance	11.11.2019 to 15.11.2019	The Assam Royal Global University, Guwahati	8	Third Prize
E	Rangoli	11.11.2019 to 15.11.2019	The Assam Royal Global University, Guwahati	1	Fourth Prize
F	Classical Instrumental (Non Percussion Solo)	11.11.2019 to 15.11.2019	The Assam Royal Global University, Guwahati	1	Fourth Prize
2	35 <sup>th</sup> National Youth Festival 2019-2020				

A	On Spot Painting	03.02.2020 to 07.02.2020	Amity University, Noida, New Delhi	1	First Prize
3	10 <sup>th</sup> Bharatiya Chhatra Samsad (Indian Student Paliament)	20.02.2020 to 23.02.2020	Vigyan Bhavana, New Delhi	3	Award Certificate

### Spoken English Course for the students of Visva-Bharati

SL. No.	No of Students	Session	Remarks
1	48	03.08.2019 to 16.11.2019	
2	60	20.01.2020 -	

### Psychological Counselling Center

SL. No.	Total Number of Students Attended	Session	Remarks
1	194	01.04.2019 to 31.03.2020	

### Career Counselling Center

SL. No.	Total Number of Students Attended	Session	Remarks
1	207	01.04.2019 to 31.03.2020	

### Vidyarthi Mediclaim Insurance

SL.	Number of claim settled
1	65

### Students' Aid Fund

SL.	No. of Students Provided with Students' Aid Fund
1	796

### University Placement Cell

Date	Name of Agency	Number of students Appeal	Number of students placed	Remarks
1	Amazon Company	49	15	

### Extension Activities Yoga and Meditation Camp

SL.	No of Participants	Session	Remarks
1	108	31.05.2019 to 28.08.2019	
2	107	06.09.2019 to 30.12.2019	
3	97	03.01.2020 to 23.03.2020	



## APPENDIX-A

### Principals of Bhavanas

Sl. Name of Bhavana	Name of Principal	w.e.f.	Upto
1 Vidya-Bhavana	Prof. Sarbajit Sengupta	19-07-2019	until further order
2 Kala-Bhavana	Prof. Sanjoy Kumar Mallik	01-08-2019	until further order
3 Palli Siksha Bhavana	Prof. Debasis Bhattacharya	14-09-2019	13-09-2021
4 Sangit Bhavana	Prof. Swastika Mukhopadhyay	01-01-2020	30-06-2021 (i.e. Retirement)
5 Bhasha-Bhavana	Prof. Manju Rani Singh	20-03-2020	31-01-2021
6. Vinaya- Bhavana	Prof. Sagarika Bandyopadhyay	08-02-2019	23-04-2020
7 Siksha-Bhavana	Prof. Kashinath Chatterjee	31-01-2018	30-04-2020
8 Palli Samgathana Vibhaga	Prof. Asok Kumar Sarkar	01-09-2018	31-08-2020

## APPENDIX-B

### Heads of Bhasha-Bhavana, Visva-Bharati.

Sl. No.	Name of the Department	Head of the Department
1	Bengali	Prof. Abhra Bose
2	English	Prof. Amrit Sen
3	Coordinator, CMELLCS	Prof. Nilanjan Chakraborty
4	Sanskrit, Pali &Prakrit	Prof. Narottam Senapati
5	Hindi	Prof. Rabindranath Mishra
6	Odia	Prof. Sabita Pradhan
7	Arabic, Persian Urdu Islamic Studies	Prof. Wasif Ahmad
8	Indo-Tibetan Studies	Principal, Bhasha-Bhavana
9	Japanese	Dr. Gita A. Keeni
10	Chinese Language & Culture	Dr. Avijit Banerjee
11	Act as HOD, Santali	Principal, Bhasha-Bhavana
12	In-Charge of Centre for Buddhist Studies	Prof. Aruna Ranjan Mishra
13	Professor-In- Charge, Centre for Comparative Literature.	Dr. Soma Mukherjee
14	Co-ordinator of Tagore Studies	Prof. Amal Pal

### **Heads of Vidya-Bhavana, Visva-Bharati.**

1	Economics & Politics	Prof. Madhusudan Ghosh
2	History	Prof. Syed Ejaz Hussain
3	AIHC & A	Dr. Anil Kumar
4	Geography	Prof. Sutapa Mukhopadhyay
5	Philosophy & Comp. Religion	Prof. Asha Mukherjee
6	In-Charge, Centre for Journalism & Mass Communication	Prof. Biplab Loha Choudhury
7	Anthropology	Dr. Arnab Ghosh

### **Heads of Departments Siksha Bhavana**

1	Mathematics	Prof. Prasanta Kumar Mandal
2	Physics	Prof. Manas Maity
3	Chemistry	Prof. Goutam Brahmachari
4	Botany	Prof. Narayan Chandra Mandal
5	Zoology	Prof. Ansuman Chattopadhyay
6	Computer & System Sciences	Prof. Alak Kumar Datta
7	Statistics	Prof. Sudhansu Sekhar Maiti
8	Department of Bio- Technology	Dr. Amit Roy
9	Department of Environmental Studies	Prof. Shibani Chaudhury
10	In-Charge, Integrated Science Education & Research Centre (ISERC)	Dr. Subrata Sinha
11	In-Charge, Centre for Mathematics Education, (CME)	Prof. Prasanta Chatterjee

### **Heads of Vinaya-Bhavana, Visva-Bharati.**

1	Education	Prof. Kahnu Charan Sahoo
2	Physical- Education	Prof. Sumanta Kr. Mondal
3	Yogic Art. & Science	Prof. Samiran Mondal

### **Heads of Kala-Bhavana, Visva-Bharati.**

1	History of Art	Dr. Meghali Goswami
2	Design	Shri Debashish Mahalanobish
3	Sculpture	Dr. Mati Lal Kalai
4	Painting	Shri Sanchayan Ghosh
5	Graphic Art	Shri Arpan Mukherjee

**Heads of Sangit-Bhavana, Visva-Bharati.**

- |   |                                       |                          |
|---|---------------------------------------|--------------------------|
| 1 | Classical Music                       | Prof. Sabyasachi Sarkhel |
| 2 | Rabindra Sangit Dance & Drama (RSDD ) | Prof. Y.Hemant Kumar     |

**Heads of PSV, Visva-Bharati.**

- |   |                         |   |
|---|-------------------------|---|
| 1 | Prof. Padmini Balaram   | Silpa-Sadana, PSV                                   |
| 2 | Prof. Amit Kumar Hazra  | Department of Lifelong Learning and Extension (REC) |
| 3 | Prof. Asok Kumar Sarkar | Social-Work, PSV                                    |
| 4 | Prof. Sankar Majumder   | PCK, PSV  |

**Heads of PSB, Visva-Bharati.**

- |    |  |   |
|----|--|---|
| 1  | Agronomy                                 | Prof. Binoy Kumar Saren                     |
| 2  | Soil Science and Agricultural Chemistry  | Prof. Goutam Kumar Ghosh                    |
| 3  | Agricultural Engineering                 | Principal, PSB (Prof. Debasis Bhattacharya) |
| 4  | Animal Science                           | Dr. Jayanta Kumar Chatterjee                |
| 5  | Horticulture and Post Harvest Technology | Dr. Goutam Mandal                           |
| 6  | Agricultural Extension                   | Prof. Siddhartha Dev Mukhopadhyay           |
| 7  | Genetics & Plant Breeding                | Dr. Amitava Paul                            |
| 8  | Crop Physiology                          | Principal, PSB (Debasis Bhattacharya)       |
| 9  | Agricultural Economics                   | Prof. Debashis Sarkar                       |
| 10 | Agricultural Statistics                  | Prof. Debasis Bhattacharya                  |
| 11 | Agricultural Entomology                  | Prof. Hirak Chatterjee                      |
| 12 | Plant Pathology                          | Dr. Ranjan Nath                             |

## APPENDIX-C

### Academic Staff : List of Professors

Sl	Name	Designation	Qualification	Date of Birth	Date of Joining
1	AHMAD WASIF	Professor	Ph.D	15/03/1971	19/05/2015
2	BAG TARAPADA	Professor	Ph.D	24/04/1963	17/05/2015
3	BALARAM PADMINI	Professor	Ph.D	06/09/1956	26/02/2013
4	BANDYOPADHYAY DEBARATI	Professor	Ph.D	12/01/1973	01/01/2012
5	BANDYOPADHYAY SAGARIKA	Professor	Ph.D	11/01/1956	01/01/2009
6	BANDYOPADHYAY SRUTI	Professor	Ph.D	08/10/1962	01/04/2014
7	BANERJEE AVIJIT	Professor	Ph.D	12/08/1971	20/05/2014
8	BANERJEE DIBYENDU	Professor	Ph.D	16/10/1969	21/01/2015
9	BARIK ARUN KUMAR	Professor	Ph.D	24/09/1959	01/01/2009
10	BASU BHASKARJYOTI	Professor	Ph.D	30/09/1955	30/11/2009
11	BASU SUDIP	Professor	Ph.D	15/05/1964	31/08/2009
12	BHATTACHARJI MANJARI	Professor	Ph.D	17/10/1961	17/05/2015
13	BHATTACHARYA DEBASIS	Professor	Ph.D	23/05/1962	01/08/2006
14	BHATTACHARYA JAGATRAM	Professor	Ph.D	16/01/1960	11/02/2013
15	BHATTACHARYA KASHINATH	Professor	Ph.D	04/07/1956	18/10/2004
16	BHATTACHARYA SUDIPTA	Professor	Ph.D	30/06/1962	01/01/2009
17	BHATTACHARYA ASHIS	Professor	Ph.D	10/01/1962	15/11/2010
18	BHATTACHARYA SUMITA	Professor	Ph.D	24/11/1961	26/08/2012
19	BISWAS SWADESH RANJAN	Professor	Ph.D	04/04/1960	26/12/2011
20	BOSE ABHRA	Professor	Ph.D	26/05/1969	20/11/2010
21	BRAHMACHARI GOUTAM	Professor	Ph.D	14/04/1969	24/07/2011
22	CHAKRABARTI SAUMYA	Professor	Ph.D	15/01/1972	01/09/2015
23	CHAKRABARTY PREMANGSHU	Professor	Ph.D	25/08/1972	25/09/2014
24	CHAKRABORTY LALITA	Professor	Ph.D	09/01/1961	30/04/2010
25	CHAKRABORTY NILANJAN	Professor	Ph.D	02/10/1960	01/01/2009
26	CHAKRABORTY SANTABRATA	Professor	Ph.D	08/04/1955	05/03/2002
27	CHAKRABORTY SOMNATH	Professor	Ph.D	15/05/1958	01/09/2005
28	CHAKRABORTY SNEHASISH	Professor	Ph.D	26/10/1967	27/02/2011
29	CHANDRA SWAPAN KUMAR	Professor	Ph.D	13/02/1963	29/09/2014
30	CHATTERJEE ASHIS KUMAR	Professor	Ph.D	16/09/1955	27/07/2006
31	CHATTERJEE HIRAK	Professor	Ph.D	02/10/1965	09/09/2009
32	CHATTERJEE KASHINATH	Professor	Ph.D	01/05/1955	01/03/2002
33	CHATTERJEE PRASANTA	Professor	Ph.D	05/09/1968	01/01/2009
34	CHATTOPADHYAY APURBA	Professor	Ph.D	24/01/1963	30/06/2011
35	CHATTOPADHYAY TARAPRASAD	Professor	Ph.D	06/09/1957	15/09/2003
36	CHATTOPADHYAY ANSHUMAN	Professor	Ph.D	16/12/1968	17/12/2011
37	CHAUDHURY PRANESH	Professor	Ph.D	05/09/1965	01/08/2010
38	CHAUDHURY SHIBANI	Professor	Ph.D	02/10/1956	06/05/2009
39	CHINARA BENUDHAR	Professor	Ph.D	20/05/1959	02/07/2006
40	CHOUDHURI TATHAGATA	Professor	Ph.D	26/12/1971	02/05/2016
41	CHOUDHURY BIPLAB LOHA	Professor	Ph.D	12/02/1964	02/05/2011
42	CHOUDHURY SARTHAK	Professor	Ph.D	20/06/1959	02/09/2005
43	DALUI BIJOY KRISHNA	Professor	Ph.D	12/06/1970	27/05/2015
44	DAS ASIM KUMAR	Professor	Ph.D, D.Sc.	31/08/1960	13/01/2005
45	DAS BUDDHADEB	Professor	MPA	19/11/1961	17/01/2014
46	DAS GOURAB KANTI	Professor	Ph.D	12/04/1969	24/07/2014
47	DAS GOUTAM KUMAR	Professor	BFA	14/08/1963	19/08/2011

48	DAS INDRANI	Professor	Ph.D	05/07/1962	06/04/2011
49	DAS SANJIB KUMAR	Professor	Ph.D	01/03/1973	12/04/2014
50	DEVI KONJENBAM SUNITA	Professor	B.A	01/04/1961	17/01/2014
51	DUTTA ALOK KUMAR	Professor	Ph.D	02/01/1963	24/03/2007
52	DUTTA PARAMARTHA	Professor	Ph.D	14/06/1966	01/11/2007
53	GANGULY SWATI	Professor	Ph.D	19/11/1965	31/12/2014
54	GHOSH PIJUSH KANTI	Professor	Ph.D	18/10/1967	08/04/2008
55	GHOSH SOUVIK	Professor	Ph.D	01/11/1972	27/06/2013
56	GHOSH GOUTAM KUMAR	Professor	Ph.D	05/01/1964	09/08/2010
57	GHOSH MADHUSUDAN	Professor	Ph.D	26/10/1955	03/03/2001
58	GHOSH PRASANTA KUMAR	Professor	Ph.D	15/08/1958	01/07/2005
59	GHOSH SWAPAN KUMAR	Professor	MPA	31/03/1958	17/01/2014
60	GOON ASHOK KUMAR	Professor	Ph.D	07/02/1956	16/09/1985
61	GUPTA BIKASH CHANDRA	Professor	Ph.D	06/01/1967	21/04/2016
62	HAZRA AMIT KUMAR	Professor	Ph.D	21/12/1963	30/04/2007
63	HUSSAIN SYED EJAZ	Professor	Ph.D	12/12/1962	18/11/2010
64	ISLAM MD SIRAJUL	Professor	Ph.D	17/01/1961	01/01/2009
65	JENA NIRANJAN	Professor	Ph.D	27/03/1973	16/05/2015
66	JHA VIBHAS CHANDRA	Professor	Ph.D	07/03/1958	27/07/1998
67	KAR RUP KUMAR	Professor	Ph.D	29/09/1956	27/07/2006
68	KHAN NIAZ AHMED	Professor	Ph.D	15/11/1958	10/02/2008
69	KOLE PARESH CHANDRA	Professor	Ph.D	01/08/1964	18/05/2009
70	KUMAR ANIL	Professor	Ph.D	20/09/1967	12/03/2016
71	KUMAR R SIVA	Professor	MFA	03/12/1956	01/10/2002
72	KUMAR Y HEMANT	Professor	B.A	01/01/1960	17/01/2014
73	KUNDU TAPAS	Professor	Ph.D	05/06/1968	07/12/2007
74	LYNDEM LARISHA M	Professor	Ph.D	23/11/1970	17/05/2015
75	MAHAPATRA TAPAS RAY	Professor	Ph.D	13/12/1968	31/07/2012
76	MAITI SUDHANSU SEKHAR	Professor	Ph.D	24/01/1966	11/03/2013
77	MAITY MANAS	Professor	Ph.D	20/04/1966	01/01/2009
78	MAJEE ADINATH	Professor	Ph.D	01/09/1970	24/05/2016
79	MAJUMDAR SANKAR	Professor	Ph.D	15/02/1957	01/06/2007
80	MALIK GANESH CHANDRA	Professor	Ph.D	18/08/1970	05/05/2015
81	MALIK UMA SANKAR	Professor	Ph.D	27/08/1956	17/04/2007
82	MALLIK SANJOY KUMAR	Professor	Ph.D	10/05/1967	04/09/2012
83	MANDAL DIPAK	Professor	Ph.D	10/11/1966	01/05/2013
84	MISHRA ARUNA RANJAN	Professor	Ph.D	02/01/1959	27/01/2011
85	MISHRA RABINDRANATH	Professor	Ph.D	12/07/1957	01/03/2013
86	MISRA SAKUNTALA	Professor	Ph.D	15/06/1961	08/12/2011
87	MITRA DILIP KUMAR	Professor	MFA	06/07/1961	01/01/2009
88	MONDAL ARUN	Professor	Ph.D	13/08/1958	27/07/2006
89	MONDAL ARABINDA	Professor	Ph.D	17/11/1973	15/03/2016
90	MONDAL BHABATOSH	Professor	Ph.D	16/07/1962	29/09/2014
91	MONDAL MRINAL KANTI	Professor	Ph.D	28/09/1964	31/01/2008
92	MONDAL NARAYAN CHANDRA	Professor	Ph.D	15/06/1962	27/07/2006
93	MONDAL PRASANTA	Professor	Ph.D	16/01/1968	01/07/2012
94	MONDAL SAMIRAN	Professor	Ph.D	19/06/1964	23/10/2012
95	MONDAL SUBRATA	Professor	Ph.D	19/01/1964	29/09/2014
96	MONDAL SUMANTA KUMAR	Professor	Ph.D	10/09/1968	30/04/2009
97	MONDAL SWAPAN	Professor	Ph.D	22/07/1963	01/01/2009
98	MUKHERJEE ASHA	Professor	Ph.D	19/08/1955	10/08/2001
99	MUKHERJEE BASABI	Professor	MPA	26/02/1959	17/01/2014

100	MUKHOPADHYAY INDRANI	Professor	Ph.D	23/01/1959	16/05/2009
101	MUKHOPADHYAY MALAY	Professor	Ph.D	07/08/1956	27/07/2006
102	MUKHOPADHYAY MANABENDRA	Professor	Ph.D	15/01/1972	15/02/2016
103	MUKHOPADHYAY SIDDHARTHA DEB	Professor	Ph.D	31/12/1961	07/10/2012
104	MUKHOPADHYAY SUTAPA	Professor	Ph.D	03/11/1956	27/02/2010
105	MUKHOPADHYAY SWASTIKA	Professor	B.A	04/06/1956	22/03/2013
106	NATH RANJAN	Professor	Ph.D	09/12/1969	08/06/2009
107	PADHI PRATAP KUMAR	Professor	Ph.D	25/04/1972	13/11/2014
108	PANJA MADAN MOHAN	Professor	Ph.D	20/10/1960	02/01/2013
109	PANWAR PANKAJ	Professor	MFA	11/07/1961	29/11/2005
110	PATTANAİK KAILASH CHANDRA	Professor	Ph.D	06/02/1957	22/06/2003
111	PAUL AMAL KUMAR	Professor	Ph.D	18/04/1960	01/01/2009
112	PAUL AMITAVA	Professor	Ph.D	01/04/1970	03/04/2013
113	PAUL DULAL	Professor	Ph.D	14/06/1956	06/12/1999
114	PAUL SUJIT KUMAR	Professor	Ph.D	01/10/1970	29/04/2016
115	PRADHAN DAI SABITA	Professor	Ph.D	07/07/1961	20/09/2004
116	PRADHAN MANORANJAN	Professor	Ph.D	15/01/1960	22/11/2005
117	RAHA BIPASHA	Professor	Ph.D	27/02/1965	28/05/2009
118	RAHA SWAPAN	Professor	Ph.D	01/05/1960	25/07/2005
119	RAHAMAN HABIBUR CHOUDHURY	Professor	Ph.D	05/01/1961	21/12/2015
120	RAKSHIT SANTANU	Professor	Ph.D	13/07/1969	21/05/2015
121	RAY AMIT	Professor	Ph.D	09/02/1958	24/02/2014
122	ROY BHATTACHARYA APARNA	Professor	Ph.D	01/08/1966	27/01/2010
123	ROY BIDHAN CHANDRA	Professor	Ph.D	27/01/1969	31/12/2010
124	ROY RAJARSHI	Professor	Ph.D	26/10/1972	03/04/2014
125	ROY SAMIT	Professor	Ph.D	23/11/1956	04/11/2003
126	ROY SANTANU	Professor	Ph.D	01/04/1957	31/03/2009
127	ROY SUBHASISH	Professor	Ph.D	24/08/1973	19/01/2015
128	ROY UTPAL	Professor	Ph.D	02/01/1963	23/10/2012
129	RUJ MADHABI	Professor	Ph.D	16/11/1957	27/03/2012
130	SAHA MANABENDRAN ATH	Professor	Ph.D	07/09/1965	05/03/2013
131	SAHA SAMAR KUMAR	Professor	Ph.D	22/11/1966	09/12/2013
132	SAHANA SISIR KUMAR	Professor	MFA	09/07/1963	22/11/2012
133	SAHOO KAHNU CHARAN	Professor	Ph.D	22/04/1962	01/01/2011
134	SARBADHIKARY SANDIP BASU	Professor	Ph.D	08/01/1959	22/11/2005
135	SARKAR ASOK KUMAR	Professor	Ph.D	01/11/1971	01/06/2009
136	SARKAR DEBASHIS	Professor	Ph.D	15/01/1960	16/05/2015
137	SARKAR PRANAB	Professor	Ph.D	12/06/1969	04/11/2010
138	SARKHEL SABYASACHI	Professor	Ph.D	07/11/1960	04/02/2009
139	SEN ABHIJIT	Professor	Ph.D	22/01/1956	26/08/1999
140	SEN AMRIT	Professor	Ph.D	04/12/1972	02/04/2013
141	SEN MITRA SABUJKOLI	Professor	Ph.D	07/08/1955	01/04/2002
142	SENAPATI NAROTTAM	Professor	Ph.D	01/05/1961	02/04/2002
143	SENGUPTA ASMITA	Professor	Ph.D	31/12/1958	27/09/2010
144	SENGUPTA SARBAJIT	Professor	Ph.D	06/08/1959	30/09/2002
145	SINGH MANJU RANI	Professor	Ph.D	17/01/1956	05/02/2005
146	SINHA DEBOTOSH	Professor	Ph.D	24/08/1963	31/12/2009
147	SINHA SUBRATA	Professor	Ph.D	20/11/1967	31/05/2015
148	SINHABABU SANTI PRASAD	Professor	Ph.D	11/02/1957	19/09/2006
149	SOREN BINAY KUMAR	Professor	Ph.D	04/02/1965	07/02/2009
150	TIWARY MUKTESHWAR NATH	Professor	Ph.D	01/03/1964	05/03/2007
151	TRIPATHI CHAKRADHAR	Professor	Ph.D	08/04/1960	27/07/2006

## List of Associate Professors

Sl	Name	Designation	Qualification	Date of Birth	Date of Joining
1	BAG BIDHAN CHANDRA	Associate Professor	Ph.D	19/11/1969	01/07/2013
2	BAIRAGYA SHYAMSUNDAR	Associate Professor	Ph.D	30/10/1973	17/10/2014
3	BALACHANDRAN S	Associate Professor	Ph.D	17/01/1971	15/09/2015
4	BARMAN ANUP	Associate Professor	Ph.D	18/01/1970	04/04/2008
5	BASU SHREELA	Associate Professor	Ph.D	22/10/1972	12/03/2013
6	BASU SUDEV PRATIM	Associate Professor	Ph.D	29/03/1973	19/06/2013
7	BHAND VISHAL C	Associate Professor	M. Sc in Textiles	23/05/1973	19/07/2007
8	BHATTACHARYA KOUSIK	Associate Professor	Ph.D	17/11/1965	22/08/2010
9	BHATTACHARYA MAUSUMI	Associate Professor	Ph.D	21/02/1972	28/01/2013
10	BISWAS AMIT KUMAR	Associate Professor	Ph.D	20/02/1975	11/11/2014
11	BISWAS PABITRA KUMAR	Associate Professor	Ph.D	15/04/1974	10/08/2013
12	BISWAS RAJARSHI	Associate Professor	MVA	22/11/1971	30/06/2014
13	BISWAS SUDARSAN	Associate Professor	Ph.D	04/12/1966	15/05/2013
14	CHAKRABARTY MANJARI	Associate Professor	Ph.D	07/03/1971	30/07/2011
15	CHATTERJEE JAYANTA KUMAR	Associate Professor	Ph.D	21/07/1959	01/01/2006
16	CHATTERJEE SUTANU	Associate Professor	MFA	03/11/1968	12/06/2012
17	CHATTOPADHYA Y SOUMYADIP	Associate Professor	Ph.D	21/11/1977	23/06/2016
18	CHOUDHURI PRABIR KUMAR	Associate Professor	Ph.D	15/10/1961	11/03/2015
19	CHUNARI SOMA	Associate Professor	Ph.D	03/11/1975	07/08/2015
20	DAS RAM PRASAD	Associate Professor	M.A. M.Phil	20/01/1966	24/05/2008
21	DAS SAKSHI GOPAL	Associate Professor	CFA	02/03/1964	01/01/2006
22	DAS TANUKA	Associate Professor	Ph.D	22/06/1956	04/12/2008
23	DUARY BUDDHADEV	Associate Professor	Ph.D	04/12/1969	11/01/2011
24	DUTTAGUPTA ANANYA	Associate Professor	Ph.D	01/08/1974	02/07/2015
25	FAIQUE MD	Associate Professor	Ph.D	01/01/1956	17/06/2011
26	GHOSH ARNAB	Associate Professor	Ph.D	17/06/1975	17/08/2016
27	GHOSH PRASANTA KUMAR	Associate Professor	MPA	02/01/1964	22/03/2013
28	GHOSH SANCHAYAN	Associate Professor	MFA	11/12/1970	15/06/2012
29	GHOSH SANTADAS	Associate Professor	Ph.D	18/05/1968	01/06/2010
30	GHOSH SUSHANTA	Associate Professor	Ph.D	20/11/1967	31/05/2009
31	GOSWAMI MEGHALI	Associate Professor	Ph.D	09/07/1973	30/06/2014
32	HAZRA SWAPAN	Associate Professor	MA	22/02/1957	01/01/2006
33	ISLAM RAFIQUL	Associate Professor	Ph.D	04/11/1957	01/01/2006
34	JENA SHANTANU	Associate Professor	M.F.A	05/05/1973	23/05/2009
35	KALAI MATILAL	Associate Professor	MFA	05/03/1968	30/07/2013
36	KEENI GITA A	Associate Professor	Ph.D	01/08/1960	01/01/2006
37	KHETMALISH MAHESH SWATA	Associate Professor	Ph.D	02/03/1978	22/02/2014
38	KHETTRY SARITA	Associate Professor	Ph.D	16/05/1963	17/05/2012
39	KUMAR AMARENDRA	Associate Professor	Ph.D	17/09/1970	11/09/2013
40	MAHALANOBISH DEBASHISH	Associate Professor	CFA	16/05/1964	01/08/2011
41	MAHAPATRA BANATANWI DAS	Associate Professor	MFA	21/08/1984	03/07/2014
42	MAITRA SUDIPTA	Associate Professor	Ph.D	13/11/1969	21/11/2013
43	MAJUMDAR ARGHYA PRIYA	Associate Professor	MFA	15/01/1966	09/08/2011
44	MASILLAMANI M ALANKARA	Associate Professor	Ph.D	02/02/1961	16/05/2009
45	MISHRA HAREKRUSHNA	Associate Professor	Ph.D	07/04/1969	13/04/2014
46	MITRA ASHIS KUMAR	Associate Professor	Ph.D	31/12/1972	17/03/2015

47	MODAK RITA	Associate Professor	Ph.D	02/11/1971	08/04/2011
48	MONDAL BISWAJIT	Associate Professor	Ph.D	15/12/1975	28/08/2014
49	MONDAL GOUTAM	Associate Professor	Ph.D	10/09/1973	28/10/2013
50	MONDAL JOYDEEP	Associate Professor	Ph.D	04/01/1973	29/04/2014
51	MONDAL NIRMAL KUMAR	Associate Professor	Ph.D	10/06/1969	31/01/2011
52	MONDAL SANJOY KUMAR	Associate Professor	Ph.D	15/02/1972	16/10/2015
53	MUKHERJEE ARPAN	Associate Professor	MFA	02/11/1977	14/06/2012
54	MUKHERJEE BIKASH	Associate Professor	Ph.D	11/02/1957	01/01/2006
55	MUKHOPADHYA Y TATHAGATA	Associate Professor	M.Sc., M.E.	01/10/1972	30/06/2010
56	MUKHOPADHYAY RANJAN	Associate Professor	Ph.D	15/08/1955	10/12/2007
57	P MOHAN KUMARAN	Associate Professor	M.A	31/03/1960	05/05/2011
58	PATRA PULAK KUMAR	Associate Professor	Ph.D	23/04/1968	14/02/2014
59	PATTREA TANDRIMA	Associate Professor	M.A	20/04/1964	29/01/2008
60	PAUL SUMITABHA	Associate Professor	MFA	02/09/1967	29/05/2010
61	PRAMANIK RATHINDRA NATH	Associate Professor	Ph.D	02/01/1972	19/04/2013
62	RAYCHAUDHURI BIPLAB	Associate Professor	Ph.D	27/01/1971	02/07/2012
63	ROY BISWAJIT	Associate Professor	Ph.D	02/01/1978	21/01/2016
64	ROY CHOUDHURY PARAMITA	Associate Professor	Ph.D	22/05/1972	17/12/2012
65	ROY DIPANKAR	Associate Professor	Ph.D	17/09/1970	05/01/2016
66	ROY MAULIK SANKAR	Associate Professor	Ph.D	22/12/1969	06/08/2016
67	ROY ROMIT	Associate Professor	Ph.D	29/03/1969	01/01/2006
68	SAHA APARNA	Associate Professor	Ph.D	15/07/1973	04/10/2010
69	SASMAL ATANU	Associate Professor	Ph.D	10/10/1960	01/02/2013
70	SEAL AJIT	Associate Professor	CFA	20/07/1958	12/04/2010
71	SEN ARPITA	Associate Professor	Ph.D	30/12/1967	31/12/2010
72	SIL SHREEKANTHA	Associate Professor	Ph.D	06/02/1962	07/05/2007
73	SRIVASTAVA ASHEESH	Associate Professor	Ph.D	01/01/1981	28/06/2014
74	THAKUR SAURAV DAS	Associate Professor	Ph.D	07/11/1978	30/12/2015



## List of Assistant Professors

Sl	Name	Designation	Qualification	Date of Birth	Date of Joining
1	ACHARYA ACHIRANSU	Assistant Professor	Ph.D	23/09/1975	08/11/2004
2	MONDAL ADITYA SOW	Assistant Professor	NET	08/03/1986	24/05/2009
3	A GIREESH	Assistant Professor	Ph.D	01/01/1975	12/01/2013
4	ANAND SARITA	Assistant Professor	Ph.D	01/12/1981	17/05/2010
5	AZIM ALIUL	Assistant Professor	Ph.D	17/08/1984	28/08/2014
6	BANDYOPADHYAY AMITAVA	Assistant Professor	Ph.D	22/06/1976	01/06/2009
7	BANDYOPADHYAY NILANJAN	Assistant Professor	Ph.D	04/08/1980	01/10/2010
8	BANERJEE ALOK	Assistant Professor	Ph.D	20/05/1960	01/08/2013
9	BANERJEE MAHUA	Assistant Professor	Ph.D	16/04/1976	19/07/2007
10	BANERJEE SUBHASIS	Assistant Professor	M.Sc., M.Tech	21/09/1973	11/03/2008
11	BANERJEE TRISHNA	Assistant Professor	Ph.D	16/05/1955	01/06/2003
12	BAK SHAOA	Assistant Professor	Ph.D	20/08/1986	13/05/2013
13	BARMAN DEBADITYA	Assistant Professor	M.E.	25/04/1986	24/03/2015
14	BARUA RISHI	Assistant Professor	MFA	10/09/1958	06/01/2005
15	BASAK JOLLY	Assistant Professor	Ph.D	03/01/1976	23/05/2009
16	BASAK UTTAM KUMAR	Assistant Professor	Ph.D	28/12/1961	05/03/2012
17	SARBADHIKARY NANDITA BASU	Assistant Professor	Ph.D	15/01/1961	22/03/2013
18	BASU SUMIT	Assistant Professor	Ph.D	16/12/1966	08/05/2007
19	BASUMATARY BHAVNA KHAJURIA	Assistant Professor	MFA	02/01/1974	01/03/2013
20	BEGUM NAZNIN ARA	Assistant Professor	Ph.D	02/01/1973	22/08/2009
21	BHAGAT JAGADISH	Assistant Professor	Ph.D	04/01/1975	18/02/2010
22	BHAGWAN RANVIR SUMEDH	Assistant Professor	NET	01/06/1983	12/06/2009
23	BHATTA ATREYA	Assistant Professor	NET	01/08/1976	04/06/2009
24	BHATTACHARYA GARGI	Assistant Professor	Ph.D	25/11/1976	30/10/2008
25	BHATTACHARYA NILANJANA	Assistant Professor	Ph.D	09/02/1979	28/05/2009
26	BHATTACHARYA SWARNALI	Assistant Professor	Ph.D	23/12/1977	01/02/2013
27	BHATTACHARYA DHEEMAN	Assistant Professor	Ph.D	05/07/1981	05/09/2014
28	BHOWMICK KARTIK CHANDRA	Assistant Professor	Ph.D	01/03/1976	15/03/2010
29	BHUL MANAS	Assistant Professor	MPA	20/02/1987	11/04/2013
30	BHUNIYA ANJAN KUMAR	Assistant Professor	Ph.D	21/10/1976	07/08/2007
31	BISWAS BIPLOB	Assistant Professor	Ph.D	02/05/1981	25/01/2014

32	BISWAS MILAN KANTI	Assistant Professor	Ph.D	18/03/1974	06/11/2008
33	BISWAS MOHAN KUMAR	Assistant Professor	Ph.D	08/06/1967	07/09/2008
34	BISWAS TAPU	Assistant Professor	Ph.D	18/09/1976	11/08/2009
35	BORO DHARITRI	Assistant Professor	NET	08/09/1982	26/11/2012
36	BORO JAYA	Assistant Professor	MFA	28/01/1974	19/05/2006
37	CHAKRABORTI ARANI	Assistant Professor	Ph.D	15/07/1961	06/05/2001
38	CHAKRABORTY ANAGHA	Assistant Professor	Ph.D	11/08/1976	11/02/2014
39	CHAKRABORTY ARINDOM	Assistant Professor	Ph.D	01/04/1979	05/11/2004
40	CHAKRABORTY ESHITA	Assistant Professor	Ph.D	19/10/1974	11/06/2009
41	CHAKRABORTY N. RANJAN	Assistant Professor	Ph.D	02/01/1977	05/07/2011
42	CHAKRABORTY PRAKRITI	Assistant Professor	Ph.D	27/08/1972	07/03/2008
43	CHANDA ANIMESH CHANDRA	Assistant Professor	MMM	26/10/1965	01/08/2013
44	CHATTERJEE KALLOL	Assistant Professor	Ph.D	12/12/1982	20/03/2014
45	CHATTERJEE SANHITA	Assistant Professor	NET	28/11/1984	01/02/2013
46	CHATTERJEE SUKANYA	Assistant Professor	M. Sc ,Wood Sc.& Tech.	15/01/1981	23/07/2007
47	CHATTERJEE TAPAS	Assistant Professor	BA.BL(Hons)	28/10/1974	14/05/2006
48	CHATTOPADHYAY SUBHAYU	Assistant Professor	Ph.D	15/08/1972	08/03/2006
49	CHAUDHURY ANUPAM	Assistant Professor	MFA	25/01/1982	05/12/2013
50	CHOUDHURI SANCHITA PAL	Assistant Professor	M.Sc., M.Tech	30/01/1975	06/10/2008
51	DAM BOMBA	Assistant Professor	Ph.D	01/10/1980	12/04/2008
52	DAS AJOY KUMAR	Assistant Professor	Ph.D	19/03/1976	05/09/2005
53	DAS RABINDRA KUMAR	Assistant Professor	Ph.D	10/04/1970	07/07/2009
54	DAS SHUBHRA JYOTI	Assistant Professor	M. Phil	15/02/1981	16/02/2015
55	DAS ARCHANA	Assistant Professor	NET	22/06/1974	26/11/2012
56	DAS ARUNABHA	Assistant Professor	M.A	11/10/1970	05/12/2003
57	DAS DEB KUMAR	Assistant Professor	B.Com.	04/01/1970	11/05/2007
58	DAS DEBASISH	Assistant Professor	MFA	28/12/1975	24/11/2012
59	DAS NILANJANA	Assistant Professor	Ph.D	13/05/1969	01/03/2009
60	DAS RANAJIT	Assistant Professor	NET	06/08/1978	13/06/2009
61	DAS SITARAM	Assistant Professor	B.A	02/01/1975	30/07/2013
62	DAS SUDIPTA	Assistant Professor	Ph.D	11/11/1987	10/08/2009
63	DAS SUDIPTA	Assistant Professor	Ph.D	25/02/1977	10/08/2009
64	DASGUPTA ANHSHUMAN	Assistant Professor	Ph.D	14/07/1967	24/08/1997
65	DASGUPTA SABYASACHI	Assistant Professor	Ph.D	01/01/1973	04/09/2009

66	DATTA KAKALI	Assistant Professor	Ph.D	17/01/1974	16/08/2005
67	DEB PRAHLAD	Assistant Professor	Ph.D	09/01/1981	26/11/2012
68	DEBNATH SANDIP	Assistant Professor	Ph.D	15/04/1986	02/03/2015
69	DEORI BINA GANDHI	Assistant Professor	Ph.D	03/11/1979	01/06/2007
70	DEVI T. GYANAPATI	Assistant Professor	B.A	01/01/1965	30/07/2013
71	DEY BISWAJIT	Assistant Professor	Ph.D	16/10/1981	25/09/2009
72	DEY NAROTTAM	Assistant Professor	Ph.D	05/05/1976	16/06/2009
73	DHAR KAMAL	Assistant Professor	MFA	17/02/1962	07/11/2004
74	DHARA AMIT KUMAR	Assistant Professor	MFA	04/02/1968	18/03/2012
75	DUTTA DAS ARPITA	Assistant Professor	M. Phil	16/09/1976	26/02/2012
76	DUTTA PRIYA BRATA	Assistant Professor	Ph.D	05/05/1985	01/09/2014
77	GACHUI RANGYA	Assistant Professor	Ph.D	17/11/1974	28/05/2009
78	GHOSH ATIG	Assistant Professor	Ph.D	09/07/1981	26/11/2013
79	GHOSH MANAS	Assistant Professor	Ph.D	07/09/1977	21/01/2010
80	GHOSH PRITAM	Assistant Professor	Ph.D	24/10/1979	01/05/2015
81	GHOSH SANDIP KUMAR	Assistant Professor	NET	03/02/1964	29/04/2009
82	GHOSH SHILPI	Assistant Professor	Ph.D	28/08/1980	14/09/2013
83	GHOSH ASHISH	Assistant Professor	MFA	19/01/1972	29/05/2006
84	GHOSH JYOTI RATAN	Assistant Professor	Ph.D	07/08/1978	21/05/2009
85	GHOSH TIRTHANKAR	Assistant Professor	Ph.D	15/02/1979	15/05/2008
86	GUIN LAKSHMI NARAYAN	Assistant Professor	Ph.D	28/12/1977	11/11/2010
87	GUPTA JOSHI HEMA	Assistant Professor	Ph.D	15/12/1974	01/09/2007
88	GUPTA KRISHNENDU	Assistant Professor	Ph.D	02/09/1967	01/07/2011
89	HAJRA ALAKANANDA	Assistant Professor	Ph.D	08/07/1975	01/06/2010
90	HALDAR BISWAJIT	Assistant Professor	NET	16/02/1976	31/05/2009
91	HAMDANI SAJAD HUSSAIN	Assistant Professor	MFA	26/05/1971	02/05/2013
92	HANSDA SANAT	Assistant Professor	MA	08/12/1981	21/05/2009
93	HANSDA KALYAN	Assistant Professor	Ph.D	20/12/1980	25/06/2009
94	HEMBRAM RAMU	Assistant Professor	Ph.D	10/11/1979	04/03/2011
95	JAYSAWAL NILMANI	Assistant Professor	Ph.D	06/01/1986	23/03/2012
96	JENA SARATA KUMAR	Assistant Professor	Ph.D	05/05/1973	23/05/2009
97	K SUCHEENDRANATHAN P	Assistant Professor	MPA	27/03/1984	11/03/2012
98	KANDASWAMI P	Assistant Professor	Ph.D	15/12/1973	15/04/2010
99	KHANGURA ABIR SINGH	Assistant Professor	B.A	27/03/1976	01/08/2013

100	KHARMWLONG LAWANSHAIBHA	Assistant Professor	MFA	01/03/1985	30/11/2012
101	KUMAR RAM PRAMAL	Assistant Professor	Ph.D	04/10/1971	17/03/2011
102	KUMAR ARJUN	Assistant Professor	Ph.D	05/12/1980	29/05/2009
103	KUMAR MUKUNDA P	Assistant Professor	Diploma in MCM	20/05/1969	27/08/2004
104	KUMUD SHRUTI	Assistant Professor	Ph.D	06/06/1988	02/02/2013
105	KUNDU DEBDAS	Assistant Professor	NET	04/01/1970	14/06/2009
106	KUNDU MANIK CHANDRA	Assistant Professor	Ph.D	03/01/1980	01/02/2013
107	KUNDU RAKESH	Assistant Professor	Ph.D	26/09/1978	21/12/2012
108	KUSUM HEM	Assistant Professor	NET	13/08/1973	13/06/2005
109	LAHA MOUMITA	Assistant Professor	Ph.D	17/02/1985	05/10/2013
110	LINDA MADI	Assistant Professor	MFA	06/11/1983	22/11/2012
111	LOKHO ADANI	Assistant Professor	Ph.D	16/08/1972	15/07/2007
112	MAITI SARAN ISHIKA	Assistant Professor	Ph.D	15/11/1980	02/07/2009
113	MAITI CHITRALEKHA	Assistant Professor	Ph.D	06/03/1982	15/05/2010
114	MAITY SWAPAN KUMAR	Assistant Professor	Ph.D	02/08/1973	25/03/2008
115	MAJEE SWARUP KUMAR	Assistant Professor	Ph.D	15/03/1981	27/12/2014
116	MAJHI NABAKUMAR	Assistant Professor	MFA	25/01/1974	07/05/2007
117	MAJUMDAR SHUBHAYU SEN	Assistant Professor	MPA	20/08/1980	01/08/2013
118	MAJUMDER SOUMIK NANDY	Assistant Professor	MFA	25/10/1966	10/11/2001
119	MALLIK MANOJIT	Assistant Professor	MPA	11/09/1966	04/03/2008
120	MAMEN STUTI	Assistant Professor	NET	12/01/1991	26/08/2014
121	MANDAL SOUMI	Assistant Professor	M. Phil	04/04/1984	17/07/2014
122	MANDOLI SUDHI	Assistant Professor	Ph.D	31/05/1983	20/09/2010
123	MANJHI DHANESHWAR	Assistant Professor	Ph.D	05/06/1975	29/05/2009
124	MISHRA AMAR PRASAD	Assistant Professor	Ph.D	27/09/1973	01/03/2009
125	MITRA SENTU	Assistant Professor	Ph.D	01/01/1982	06/03/2014
126	MOKTAN ANAMIKA	Assistant Professor	MA	27/11/1985	11/03/2011
127	MONDAL BITAN	Assistant Professor	Ph.D	09/04/1986	29/11/2012
128	MONDAL SUJAY	Assistant Professor	NET	23/05/1991	12/03/2015
129	MONDAL BHOLANATH	Assistant Professor	Ph.D	11/09/1979	16/07/2009
130	MONDAL NANDALAL	Assistant Professor	Ph.D	22/09/1976	13/05/2013
131	MONDAL PALASH	Assistant Professor	Ph.D	29/12/1972	21/02/2006
132	MONDAL CHHAYA RANI	Assistant Professor	MPA	12/01/1970	17/07/2007
133	MONDAL SANANDA	Assistant Professor	Ph.D	24/11/1985	26/11/2012

134	MONDAL SUCHHANDA	Assistant Professor	Ph.D	01/08/1976	15/06/2008
135	MONDAL SUDIP KUMAR	Assistant Professor	Ph.D	31/12/1980	28/04/2012
136	MONDAL SWAPAN KUMAR	Assistant Professor	Ph.D	06/04/1973	04/11/2008
137	MUKHERJEE AMARTYA	Assistant Professor	Ph.D	05/07/1978	20/01/2014
138	MUKHERJEE ASHOKE	Assistant Professor	Ph.D	11/01/1980	16/05/2015
139	MUKHERJEE BASANTA	Assistant Professor	MPA	03/12/1968	04/03/2008
140	MUKHERJEE BUDDHADEV	Assistant Professor	Ph.D	28/01/1972	15/09/2009
141	MUKHERJEE PAYEL	Assistant Professor	Ph.D	10/04/1983	22/05/2009
142	MUKHERJEE SOMA	Assistant Professor	Ph.D	15/03/1975	24/06/2010
143	MUKHERJEE SUTAPA	Assistant Professor	Ph.D	21/09/1977	31/12/2012
144	MUKHOPADHYAY MANINI	Assistant Professor	Ph.D	30/12/1972	23/03/2013
145	MUKHOPADHYAY SOUMALYA	Assistant Professor	NET	26/10/1987	31/12/2012
146	MURMU DUKHIA	Assistant Professor	Ph.D	23/11/1972	10/05/2010
147	MURMU MANSARAM	Assistant Professor	NET	04/03/1972	17/05/2010
148	N RAJESH MENON	Assistant Professor	Diploma in MCM	25/05/1978	13/06/2009
149	NAAZ FARHA	Assistant Professor	NET	01/01/1984	19/08/2013
150	NANDAN AMBARISH	Assistant Professor	MVA	19/12/1972	11/10/2007
151	NANDI MAHASWETA	Assistant Professor	Ph.D	06/11/1980	17/03/2009
152	NARZARY RISHAV GANDHAR	Assistant Professor	NET	19/08/1980	25/02/2012
153	NEGI NORBU GYALTSEN	Assistant Professor	Ph.D	11/06/1978	22/07/2013
154	NUTAN NIPUN	Assistant Professor	NET	26/11/1985	17/03/2020
155	OJHA REKHA	Assistant Professor	Ph.D	10/12/1976	24/03/2011
156	P REMYA V	Assistant Professor	Ph.D	24/05/1984	20/03/2011
157	PAL ARUP	Assistant Professor	Ph.D	20/10/1989	20/03/2020
158	PAL MADHUSUDAN	Assistant Professor	M.Sc., M.Tech	06/07/1985	08/01/2013
159	PAL NIKHIL	Assistant Professor	Ph.D	15/05/1985	01/03/2012
160	PAL SUKUMAR	Assistant Professor	Ph.D	03/11/1966	01/03/2012
161	PANDA DEBASIS	Assistant Professor	Ph.D	24/08/1977	18/03/2010
162	PANDEY BISWAJIT	Assistant Professor	Ph.D	29/12/1976	25/07/2009
163	PANDIT SWAPAN KUMAR	Assistant Professor	Ph.D	06/01/1974	09/04/2009
164	PATEL SASMITA	Assistant Professor	Ph.D	16/04/1977	01/12/2012
165	PATULIA PRAMILA	Assistant Professor	Ph.D	11/05/1977	26/05/2007
166	PAU PUM KHAN	Assistant Professor	Ph.D	24/03/1974	13/06/2009
167	PAUL TANUSREE	Assistant Professor	Ph.D	06/11/1982	11/03/2014

168	PHIRANGI PRASHANT	Assistant Professor	Ph.D	01/07/1982	30/11/2012
169	PRABHAKAR MRITYUNJOY KR	Assistant Professor	Ph.D	01/03/1979	18/02/2014
170	PRAMANIK KALIPADA	Assistant Professor	Ph.D	09/10/1973	07/07/2006
171	PRASAD UMAKANT	Assistant Professor	NET	01/01/1983	14/07/2014
172	PROJAPATI MANOJ KUMAR	Assistant Professor	MFA	04/04/1972	27/05/2006
173	RAHAMAN ATIQUR	Assistant Professor	Ph.D	12/10/1975	17/03/2011
174	RAJAN K MAVALI	Assistant Professor	Ph.D	07/04/1973	15/06/2007
175	RAMACHANDRA N RANJINI	Assistant Professor	Ph.D	21/03/1976	05/11/2013
176	RANA SOURAV	Assistant Professor	Ph.D	20/03/1986	26/11/2013
177	RATH JNANENDRA	Assistant Professor	Ph.D	10/06/1976	24/05/2007
178	RATH SANAT KUMAR	Assistant Professor	Ph.D	23/01/1974	23/08/2004
179	RAY SAPTARSHI	Assistant Professor	MPA	22/11/1981	23/03/2013
180	ROY ANJALIKA MAITHY	Assistant Professor	Ph.D	17/01/1972	30/09/2014
181	ROY MOUSUMI	Assistant Professor	Ph.D	10/04/1969	10/12/2008
182	ROY PROHLAD	Assistant Professor	Ph.D	27/06/1975	29/08/2004
183	ROY SUBHASH CHANDRA	Assistant Professor	Ph.D	12/11/1967	08/12/2005
184	ROY SUBHASIS	Assistant Professor	Ph.D	09/01/1974	12/08/2007
185	ROY SURAJIT	Assistant Professor	Ph.D	04/07/1976	26/03/2013
186	ROY TAPAN	Assistant Professor	MPA	03/10/1954	30/07/2013
187	ROYCHOUDHUR Y SUCHIRA	Assistant Professor	Ph.D	12/12/1974	08/04/2013
188	S SENTHIL PRAKASH	Assistant Professor	Ph.D	17/05/1985	11/03/2011
189	SAHA ANINDITA	Assistant Professor	Ph.D	02/01/1977	17/08/2008
190	SAHA PROSENJIT	Assistant Professor	Ph.D	30/10/1981	05/08/2013
191	SAHA SAMIRAN	Assistant Professor	Ph.D	26/11/1975	09/01/2010
192	SAHA SUDESHNA	Assistant Professor	Ph.D	17/02/1984	19/03/2012
193	SAHAJAHAN SK	Assistant Professor	ADF	01/03/1974	25/02/2012
194	SAHANI SALIL	Assistant Professor	MFA	30/10/1962	26/10/2006
195	SAHOO INDRAMANI	Assistant Professor	Ph.D	17/04/1976	01/03/2013
196	SAHOO PRASANTA KUMAR	Assistant Professor	MFA	12/06/1968	15/10/2001
197	SAHOO PRITHIDIPA	Assistant Professor	Ph.D	25/10/1979	28/12/2012
198	SAIKIA SANGITA	Assistant Professor	Ph.D	01/02/1977	09/06/2007
199	SAIKIA SURJYA KUMAR	Assistant Professor	Ph.D	10/10/1975	12/06/2009
200	SAMUEL M P TERENCE	Assistant Professor	Ph.D	14/07/1975	16/07/2009
201	SANGWAN ADITI GANEEV	Assistant Professor	Ph.D	24/01/1981	30/06/2014

202	SANKARNARAYA N N P	Assistant Professor	Diploma in MCM	19/03/1959	30/07/2013
203	SANTRA SUBHRANGSU	Assistant Professor	Ph.D	21/09/1974	01/12/2012
204	SANYAL SUBHASHREE	Assistant Professor	Ph.D	19/09/1985	01/01/2013
205	SARKAR KADER ALI	Assistant Professor	Ph.D	15/02/1987	20/08/2015
206	SARKAR MRINAL KANTI	Assistant Professor	BFA	11/12/1964	13/05/2007
207	SARKAR NARAYAN CHANDRA	Assistant Professor	Ph.D	10/01/1976	01/01/2013
208	SARKAR SUDIPTA	Assistant Professor	NET	13/05/1985	21/11/2013
209	SEIKH MD MOTIN	Assistant Professor	Ph.D	17/03/1973	12/10/2007
210	SENGUPTA SHYAMALI	Assistant Professor	M.Sc.	02/11/1967	25/07/2004
211	SARMA MANOJ KUMAR	Assistant Professor	Ph.D	01/07/1980	02/08/2013
212	SIDDIQUI MD SHAHEER	Assistant Professor	Ph.D	23/09/1975	29/05/2010
213	SIKDAR PARTHA PRATIM	Assistant Professor	Ph.D	14/01/1961	13/06/2005
214	SIKDAR UTTAM KUMAR	Assistant Professor	Ph.D	17/01/1973	13/03/2006
215	SINGH BULA	Assistant Professor	Ph.D	15/11/1976	23/09/2007
216	DHAKRE DIGVIJAY SINGH	Assistant Professor	Ph.D	01/11/1975	06/03/2012
217	SINGH MOIRTHEM THOMAS	Assistant Professor	MFA	01/01/1972	05/03/2012
218	SINGH RAJ KUMAR	Assistant Professor	Ph.D	28/01/1972	30/03/2013
219	SINGH UMESH KUMAR	Assistant Professor	Ph.D	02/04/1975	23/03/2009
220	SINHA CHIRANJIB	Assistant Professor	NET	12/03/1972	16/09/2009
221	SOREN TAPAN	Assistant Professor	NET	31/12/1978	03/03/2011
222	SWAIN KISHORE CHANDRA	Assistant Professor	Ph.D	12/10/1980	10/04/2012
223	SWAIN PRITILAXMI	Assistant Professor	Ph.D	26/07/1976	28/05/2009
224	TENZIN SHEDUP	Assistant Professor	Ph.D	11/04/1964	26/03/2007
225	THAKUR SUBHASH KUMAR	Assistant Professor	NET	26/01/1991	12/03/2020
226	THANDER ABHIJIT	Assistant Professor	Ph.D	27/02/1984	27/02/2014
227	TUDU SUBHAS CHANDRA	Assistant Professor	NET	05/01/1978	25/03/2007
228	V RAJESH K	Assistant Professor	NET	29/04/1973	19/03/2012
229	VERMA AMIT KUMAR	Assistant Professor	Ph.D	10/12/1983	09/07/2009
230	Y VASUDEVA RAO	Assistant Professor	Ph.D	10/07/1974	03/08/2009
231	YADAV BHAIRU LAL	Assistant Professor	Ph.D	14/03/1981	17/03/2011
232	YADAV SHARMILA	Assistant Professor	NET	25/08/1981	13/03/2012
233	ZANGPO SONAM	Assistant Professor	Ph.D	20/06/1979	24/03/2011
234	NINGTHOUJAM REKHA	Assistant Professor	NET	29/07/1995	20/03/2020

## List of the members of faculty Secondary & Higher Secondary Institutions

### Patha-Bhavana

Bodhirupa Sinha (Principal)

M.A (Eco.),B.Ed

### English

Amitabha Mukherjee

M.A, B.Ed., Ph.D

English Language Teaching

Abhijit Sengupta

M.A., M.Phil, PGDTE

Surojit Sen

M.A, B.Ed.

Classical Tragedy

Sarada Basu Mukhopadhyay

M.A, B.Ed.,Dip

American Lit.

Sreemoyee Ghosh

M.A, B.Ed.

Sangita Hembrom

M.A., B.Ed

Suranjima Saha

M.A, B.Ed.,Ph.D

American Lit.

Uma Chatterjee

M.A, B.Ed.

Classical Literature

### Bengali

Nilay Ray

M.A, M.Phil, BT, PGDAE

Linguistics

Shyamaprosad Chatterjee

M.A, Ph.D.

Chandrani Mukherjee

M.A, M. Ed. Music (H.C&R.S)

19<sup>th</sup> Cen.Bankim Chandra

Sonali Chakraborty (Majumder)

M.A, B. Ed. Music (H.C&R.S)

19<sup>th</sup> Cen. Bankim Chandra

Nibir Kr. Ghosh

M.A, B.Ed.

Anuradha Saha

M.A, B.Ed.

Debalina Dalal

M.A, B.Ed.

Samir Debnath

M.A, B.Ed.

Rakhee Sarkar

M.A, B.Ed.

Prachin Sahitya

Tarit Roychoudhuri

M.A

Haradhan Soren

M.A

### Mathematics

Subhrangsu Sen

M.Sc, B.Ed.

Quantum Mechanics & Atomic

Collision Theory

Tarak Nath Saha

M.Sc, B.Ed. Ph.D.

Applied Mathematics

Patralekha Datta Sarkar

M.Sc, B.Ed.

Pure Mathematics

Madhusudan Mondal

M.Sc, B.Ed.

Applied Mathematics

Sutapa Saha

M.Sc, B.Ed.

Applied Mathematics

Namrata Bhattacharya

M.A, B.Ed.

Pure Mathematics

Jotirmoynath Roul

M.Sc, B.Ed.,Ph.D.

Applied Mathematics

### Music

Mousumi Das

M.Music, B.Ed.

Rabindra Sangit

Karunamoy Majumdar

M.Music

### Dance

Sujata Mitra

B.Mus.(Manipuri)

Manipuri Dance

Debabrata Mukherjee

B.Mus, Nritya & Sangeet Visharad

Arts & Crafts

Rati Basu

B.Fine(Painting),M.Fine(Graphic)

Kalicharan Hembram

M.F.A.(Painting)

Painting

Srabani Bhattacharya

B. Fine (Textile)

Jayanta Mondal

B.F.A., M.F.A.(Painting)

Priti.C. Nartiang

B.F.A., M.F.A.(Textile), Ph.D.

Textile Design

### Physics

Bulbul Konar

M.Sc, B.Ed.

Condensed Matter Physics

Suchit Chakraborty

M.Sc, M.Ed.

Atomic Physics, Quantum Field

Theory and Applica



Kumar Vikrant Basak	M.Sc., B.Ed. M.A. (Edu)	Atomic & Molecular Physics,
<b>Chemistry</b>		
Animesh Ghosh	M.Sc., B.Ed., Ph.D	Organic Chemistry
Life Science		
Chhatrapati Murmu	M.Sc. B.Ed.	
Sunil Kumar Mondal	M.Sc. Ph.D	
Lopamudra Sen	M.Sc., B.Ed.	Life Science (Zoology)
<b>Geography</b>		
Sushmita Guha Roy	M.Sc, (Geo) Ph.D.	Environmental Geography
Kishore Bhattacharyya	MA, B.Ed.	
<b>History</b>		
Silpi Mukhopadhyaya	M.A, M.Phil, B.Ed.	Rabindranath and Lokashiksha
Sanskrit/Hindi		
Debendra Pandey	MA(Double), Ph.D.	Premchand & Indian Philosophy
Sonali Gangully	M.A, B.Ed., Ph.D.	
Anindita Agarwala	M.A., B.Ed.	
Ms. Alpana Dhibar	M.A., B.Ed	
<b>Economics</b>		
Sarbari Dutta	M.Sc., M.Phil,	Economic Theory
Home Science		
Chaitali Ghoshal	M.Sc., M.A. (Edu), Dip.(Diet)	
Mrinalini Ananda Pathsala		
Priya Halder	M.A., Montessori	
Sutapa Pramanik Majumdar	M.A., B.Lib, Montessori	
Study Supervisor		
Nemai Sankar Chakraborty	M.Sc., B.Ed.	
Partha Pratim Roy	M.A, B.Ed.	
<b>Grihadhyaksha</b>		
Partha Chakraborty	M.A, B.Ed.,	
<b>Metal Craft</b>		
<b>Physical Education</b>		
Biswajit Bir	B.P.E, M.P.E	
<b>Philosophy</b>		
Ruma Das Hazra	M.A, B.Ed,	
<b>Statistics</b>		
Anil Baran Mondal	M.Sc.( Stat.& Maths), Ph.D,	Operations Research & Approximation algorithms
Political Science		
Dipali Ghosh	M.A, M.Phil	Contemporary India, Society &
Politics		
<b>Siksha Satra</b>		
Jayanta Kr. Bhattacharya	M.Sc, Ph.D, B.Ed, M.Ed	X-ray & Crystallography
Bengali		
Srinivas Ghosh	M.A., B.Ed., Ph.D	
Smt. Siuli Sinha	M.A., Ph.D.	19th Century Bangla Lit.
Md. Mozharul Hamid	M.A, B.Ed	Prachin Bangla Sahitya
Smt. Nibedita Saha	M.A., B.Ed	19th Century Bangla Lit.
Iqbal Zahangir	M.A., B.Ed. M.Ed.	Teacher Education
Srinibash Ghosh	M.A., B.Ed.	Medieval Bangla Sahitya

**English**

Asim Kumar Majumdar  
nated on 28/02/2019)

Smt. Mitali De Sarkar  
Smt. Achina Majumdar  
Smt. Tamali Majumdar  
Dibyendu Mondal  
Girish Chandra Dehury  
Smt. Tripti Ghosh  
Suman Chakraborty

Geography  
Smt. Tripti Ghosh  
Smt. Gargi Ghosh  
Avik Ghosh

**History**

Soumen Sengupta  
Debabrata Barat  
Creativity  
History of Art

**Life Science**

Rituparna Char  
Krishnendu Dey  
Gautam Saha  
Mathematics

Sandip Kr. Bhakat

**Edu.**

Gopinath Mondal  
Ganesh Mondal  
Smt. Jayashree Saha  
Statistics

Rudra Prasad Sinha  
Physics

Smt. Shampa Roy  
Parthasarathi Chatterjee

**Chemistry**

Arup Bhattacharya  
Pradip Soren

**Economics**

Subrata Sinha

**Sanskrit**

Smt. Anandamoi Mondal  
Smt. Kanchan Dasgupta

**Electric****Music****Philosophy**

Smt. Sangeeta Sarkar  
Hindi/Sanskrit  
Priya Pathak  
Weaving

Smt.Purnalakshmi Ghosh

M.A., B.Ed.,Ph.D.

M.A., B.Ed, PGDTE  
M.A, B.Ed,  
M.A.,B.Ed, Cer. in French  
M.A. PGDCE (Hyderabad)  
M.A., B.Ed.  
M.A., B.Ed.  
M.A. B.Ed

M.A., B.Ed.  
M.A, B.Ed.  
M.A.

M.A., B.Ed. 1  
M.A., B.Ed, MEd.

M.Sc. B.Ed.  
M.Sc. B.Ed.  
M.Sc. B.Ed. M.A,

M.Sc., Ph.D.

M.Sc.,B.Ed, Ph.D.  
M.Sc., B.Ed.,Ph.D  
M.Sc., B.Ed.

M.Sc, B.Ed, M.A, Ph.D

M.Sc., B.Ed.  
M.Sc., M.Ed.

M.Sc., B.Ed., Ph.D.  
M.Sc. B.Ed.,

M.Sc. M.Phil.

M.A., B.Ed., Ph.D.  
M.A., B.Ed.

M.A, M.Phil

M.A., B.Ed,

B.A., Certificate in Weaving

Short Stories & Comp.Lit. (Superan-

ELT  
ELT  
English  
ELT & Linguistics  
ELT & Linguistics  
Geography  
English

Dynamic Geomorphology  
Population Geography  
Human Geography

8th Century in Indian History  
18th Century Indian History &

Plant Anatomy  
Pollination Biology  
Environment Science & Teacher Edu.

History of Mathematics & Math.

Fluid Mechanics & Complex Algebra  
Quantum Mechanics  
Bio Mathematics

Statistics

Solid State Physics  
Multimedia

Physical Chemistry  
Inorganic Chemistry

Advance Economics Theory

Kavya  
Kavya

Development Ethics

Hindi

**Painting**

Biswadip Das

MFA Painting

**Physical Education**

Smt. Vandana Hazra

MPE Athletics

Somnath Mehana

B.P.Ed. Football

**Political Science**

Sumanta Das

M.A. B.Ed.

**Santosh Pathala**

Subhrojyoti Dutta

M.Sc.B.Ed.

Mathematics

Sudipta Sen

M.A. B.Ed.

Anjali Roy

M.Sc. B.Ed.

Gopinath Mondal

M.Sc. B.Ed.,Ph.D

Fluid Mechanics &amp; Complex Algebra

**APPENDIX-D**  
**MEMBERS OF THE SAMSAD (COURT) AS ON 31.03.2020**  
**IN TERMS OF STATUTE 10<sup>1</sup> (1) OF VISVA-BHARATI ACT, 1951**

**Members of the Samsad (Court) as on 31-03-2020**

<b>Sl. No.</b>	<b>Structure of the Court</b>	<b>Name</b>
(i)	The Acharya (Chancellor)	Shri Narendra Damodardas Modi
(ii)	The Upacharya (Vice-Chancellor)	Prof. Bidyut Chakrabarty
(iii)	The Saha-Upacharya (Pro-Vice-Chancellor)	<b>Vacant</b>
(iv)	The Director of Studies, Educational Innovations and Rural Reconstruction	<b>Vacant</b>
(v)	The Director of Culture and Cultural Relations	<b>Vacant</b>
(vi)	The Director of Physical Education, Sports, National Service and Student Welfare	<b>Vacant</b>
(vii)	The Adhyakshas of Bhavanas	<ol style="list-style-type: none"> <li>1. Adhyaksha Bhasha Bhavana</li> <li>2. Adhyaksha Vidya Bhavana</li> <li>3. Adhyaksha Siksha Bhavana</li> <li>4. Adhyaksha Kala Bhavana</li> <li>5. Adhyaksha Sangit Bhavana</li> <li>6. Adhyaksha Patha Bhavana</li> <li>7. Adhyaksha Palli Siksha Bhavana</li> <li>8. Adhyaksha Palli Samgathana Vibhaga</li> <li>9. Adhyaksha Vinaya Bhavana</li> <li>10. Adhyaksha Siksha Satra</li> </ol>
(viii)	The Granthagarika (Librarian)	Librarian, Central Library
(ix)	The Chhatra Parichalaka (Proctor)	Proctor
(x)	The Head of the Palli Samgathana Vibhaga	
(xi)	The Head of the Granthana Vibhaga;	Adhyaksha, Granthana Vibhaga, Visva-Bharati, 6, A.J.C. Bose Road, Kolkata - 700 017

(xii) The Heads of Departments

**Bhasha Bhavana**

1. Head, Department of Bengali
2. Head, Department of English
3. Head, Department of Sanskrit
4. Head, Department of Hindi
5. Head, Department of Odia
6. Head, Department of Arabic, Persian, Urdu & Islamic Studies
7. Head, Department of Indo-Tibetan Studies
8. Head, Department of Japanese
9. Head, Department of Chinese
10. Head, Department of Santali

**Vidya Bhavana**

1. Head, Department of Economics & Politics
2. Head, Department of History
3. Head, Department of A.I.H.C. & A
4. Head, Department of Geography
5. Head, Department of Philosophy & Religion
6. In-Charge, Centre for Journalism & Mass.Com.
7. Head, Department of Anthropology

**Siksha Bhavana**

1. Head, Department of Physics
2. Head, Department of Chemistry
3. Head, Department of Mathematics
4. Head, Department of Zoology
5. Head, Department of Botany
6. Head, Department of Statistics
7. Head, Computer & System Science
8. Head, Dept. of Bio-technology
9. Head, Dept. for Environmental Studies

**Kala Bhavana**

1. Head, Department of Sculpture
2. Head, Department of Painting
3. Head, Department of Design
4. Head, Department of Graphic Art.
5. Head, Department of History of Art

**Sangeet Bhavana**

1. Head, Department of Rabindra Sangit, Dance & Drama
2. Head, Department of Classical Music

(xiii) One Adhyapaka from each of the Institutes, by rotation according to seniority;

**Vinaya Bhavana**

1. Head, Department of Education
2. Head, Department of Physical Education

**Palli Siksha Bhavana**

1. Head, Department of Agronomy
2. Head, Department of Crop Improvement Horticulture & Agril. Botany
3. Head, Department of Plant Protection
4. Head, Department of Agril. Extn & Deptt. of Statistics

**Palli Samgathana Vibhaga**

1. Head, Department of Social Work
2. Head, Palli Charcha Kendra
3. Head, Silpa Sadana
4. Head, Department of Lifelong Learning and Extension (REC)

**Bhasha Bhavana**

Prof. Kailash Chandra Pattanaik  
Department of Odia  
Bhasha-Bhavana

**Vidya Bhavana**

Prof. Asha Mukherjee  
Department of Philosophy  
Vidya Bhavana

**Siksha Bhavana**

Prof. Santabrata Chakraborty  
Siksha Bhavana

**Kala Bhavana**

Shri Debasish Mahalanobish  
Kala Bhavana

**Sangit Bhavana**

(i) Prof. T.S. Vasuni  
Sangit Bhavana  
**[Upto 30-11-2019]**

(ii) Prof. Buddhadeb Das  
Sangit Bhavana  
Visva-Bharati  
**[From 27-02-2020]**

**Vinaya Bhavana**

(i) Prof. Braja Nath Kundu  
Vinaya Bhavana  
**[Upto 31-01-2020]**

(ii) Prof. Sumanta Kumar Mondal  
Vinaya Bhavana  
**[From 27-02-2020]**

**Palli Siksha Bhavana**

Prof. Ashis Kumar Chatterjee, Palli Siksha Bhavana

Palli Samgathana Vibhaga

Prof. Prasanta Ghosh, Palli Samgathana Vibhaga

**Patha Bhavana**

Smt. Uma Chatterjee

Patha Bhavana

**Siksha Satra**

Shri Partha Sarathi Chatterjee

Siksha Satra

(xiv) five representatives of non-teaching staff by rotation according to seniority;

1. Shri Binoy Bhusan De  
Laboratory Attendant  
Palli Siksha Bhavana  
Visva-Bharati

2. Shri Sukumar Hazra (1)  
MTS, Vidya Bhavana  
Visva-Bharati

3. Shri Tapas Kumar Chandra  
Office Assistant, Internal Audit  
Office, Visva-Bharati

4. Shri Mashiur Rahaman  
Office Assistant, Granthana  
Vibhaga, Visva-Bharati

5. (i) Smt. Shyamala Roy (Nair)  
Deputy Registrar &  
Confidential Secretary to the  
Vice-Chancellor  
**[Upto 30-04-2019]**

(ii) Shri Sukumar Lohar  
MTS, Uttarayan Complex  
Visva-Bharati  
**[Upto 31-12-2019]**

(iii) Shri Renupada Das  
Laboratory Attendant  
Palli Siksha Bhavana  
Visva-Bharati

**[From 27-02-2020]**

(xv) two students to be nominated by the Siksha-Samiti (Academic Council) from amongst students who have distinguished themselves in studies, sports, extra-curricular activities and all-round development of personality or from amongst students who have won prizes during the preceding year in the fields of studies, fine arts, sports, extension work or any other prizes at the level of Class X and above;

1. Shabnam Parveen  
Patha Bhavana  
Visva-Bharati
2. Priyanka Kumari  
Palli Siksha Bhavana  
Visva-Bharati

(xvi) three students to be nominated by the Upacharya (Vice-Chancellor) on the basis of merit so as to provide representation to any section of students which in his opinion is unrepresented :

Provided that in nominating student under items (xiv) and (xv), women students shall be adequately represented;

1. Ms. Sohini Dey  
Patha Bhavana  
Visva-Bharati
2. Shri Sayan Bhowmick  
Siksha Satra , Visva-Bharati
3. Smt. Arunima Dutta  
Department of Physics,  
Siksha Bhavana  
Visva-Bharati

(xvii) five representative of Parliament, three to be nominated by the Speaker of the Lok Sabha from among its members and two to be nominated by the Chairman of the Rajya Sabha from among its members;

**Lok Sabha**

1. Shri Sudip Bandyopadhyay  
72/4, S.N. Banerjee Road,  
Kolkata - 700 014
2. Smt. Locket Chatterjee  
Hon'ble Member of Lok Sabha,  
Sherwood Estate, 'E' Block,  
'R' I Narendrapur,  
Kolkata-700103, West Bengal
3. Shri Adhir Ranjan Chowdhury  
Hon'ble Member of Lok Sabha  
9, Haribu R., Paschim,  
P.O.-Cossimbazar, Berhampore,  
Murshidabad-742102, West Bengal

**Rajya Sabha**

1. Shri Swapan Dasgupta  
14, Teen Murti Lane



New Delhi  
2. Shri Harivansh  
501, Brahmaputra Apartments,  
Dr. B.D. Marg  
New Delhi - 110001

(xviii) three representatives of the Alumni Association to be elected by that Association from among its members;

1. **Vacant**
2. **Vacant**
3. **Vacant**

(xix) seven persons representing learned professions and special interests including representatives of industry, labour, commerce, banking and agriculture, to be nominated by the Paridarsaka (Visitor);

1. **Sh. Kailash Satyarthi**  
Nobel Laureate,  
Child Right Activist &  
Founder, Bachpan  
Bachao Andolan,  
L- 6, Kalkaji, New Delhi- 110019
2. **Mr. Shaurya Doval**  
Director, India Foundation  
C-228, Sector-44, Noida, Uttar Pradesh, 201301
3. **Dr. Anirban Ganguly**  
Director, Dr Syama Prasad Mookerjee Research  
Foundation, 9- Ashok Road  
New Delhi-110001
4. **Sh. Amit Malviya**  
Banking Expert, Bengaluru  
6, Meena Bagh, Maulana Azad Road,  
New Delhi - 110011
5. **Prof. Indranil Manna**  
Professor, Metallurgical &  
Materials Engineering  
Indian Institute of Technology  
Kharagpur, Kharagpur - 721302
6. **Prof. Janat Shah**  
Director, IIM, Udaipur, District, Balicha,  
Rajasthan 313002
7. **Dr. Vijay Bhatkar Chancellor,**  
Nalanda University and former Chairman,  
Board of Governors, IIT, Delhi

(xx) one person to be nominated by the Pradhana (Rector);

Shri Sanjay Budhia  
Managing Director, Patton Group, 3C Camac  
Street, 8<sup>th</sup> floor, Kolkata - 700 016

(xxi) one person to be nominated by the Acharya (Chancellor);

Prof. Achintya Biswas  
'SHUKTI', N-9, Sreenagar Garia,  
Kolkata - 700 094

(xxii) other members of the Karma-Samiti  
(Executive Council) not specified above.

1. Dr. Sushovan Banerjee  
General Practitioner  
(Medicine), Haragouritala  
Bolpur, Birbhum
2. Prof. Dr. Sujit K. Ghosh  
Swagat Chinar  
Block -'C' , Flat - 3A  
Chinar Park, New Town  
Kolkata - 700 157
3. Mr. Justice Sakha Ram Singh  
Former Justice, High Court of Allahabad,  
303, C.K. Daphtary, Lawyer's Chamber  
Supreme Court of India, Tilak Lane,  
New Delhi - 110 001
4. Prof. (Retd) Dulal Chandra Ghosh  
Paschimpalli, Santiniketan  
Near Naba Nalanda School
5. Prof. Shelley Bhattacharya, FNAS  
Ex-Adhyapaka  
Department of Zoology  
Visva-Bharati  
**[Upto 09-07-2019]**
6. Sri Tanmoy Roy Chowdhury  
SRB 103B , Shipra Riviera, Indirapuram,  
Gyankhand 3, Ghaziabad  
Uttar Pradesh 201014
7. Prof. Manju Mohan Mukherjee  
Former Adhyapaka  
Department of Social Work, PSV, Visva-Bharati
8. Prof. Kumkum Bhattacharya  
Palli Samgathana Vibhaga  
Visva-Bharati  
**[Upto 29-02-2020]**

## APPENDIX- E

### Members of the Karma Samiti (Executive Council) as on 31-03-2020

Sl. No.	Members	Name
(i)	The Upacharya (Vice-Chancellor)	Prof. Bidyut Chakrabarty
(ii)	The Saha-Upacharya (Pro-Vice-Chancellor)	Vacant
(iii)	The Director of Studies, Educational Innovations and Rural Reconstruction	Vacant
(iv)	The Director of Culture and Cultural Relations	Vacant
(v)	The Director of Physical Education, Sports, National Service and Student Welfare	Vacant
(vi)	The Adhyaksha of the Patha-Bhavana	Smt. Bodhirupa Sinha
(vii)	Three Adhyaksha from amongst the Adhyakshas of Palli Samgathana Vibhaga, Palli-Siksha Bhavana, Kala Bhavana, Sangeet Bhavana, Vidya Bhavana, Siksha Bhavana and Bhasha Bhavana by rotation, according to seniority, to be nominated by the Upacharya	1. (i) Adhyaksha Kala Bhavana Visva-Bharati <b>[Upto 24-10-2019]</b> (ii) Adhyaksha Palli Samgathana Vibhaga Visva-Bharati <b>[From 25-10-2019]</b> 2. Adhyaksha Palli Siksha Bhavana Visva-Bharati 3. (i) Adhyaksha Sangit Bhavana Visva-Bharati <b>[Upto 24-10-2019]</b> (ii) Adhyaksha Siksha Bhavana Visva-Bharati <b>[From 25-10-2019]</b>

- (viii) Two Adhyapak as of the University,  
by rotation according to seniority
1. (i) Prof. Swapan Kumar Ghosh  
Sangit Bhavana, Visva-Bharati  
**[Upto 31-10-2019]**
- (ii) Prof. Asha Mukherjee  
Vidya Bhavana  
Visva-Bharati  
**[From 07-11-2019]**
2. (i) Prof. Kumkum Bhattacharya  
Palli Samgathana Vibhaga  
Visva-Bharati  
**[Upto 29-02-2020]**
- (ii) Prof. Kailash Ch. Pattanaik  
Department of Odia  
Bhasha Bhavana  
Visva-Bharati  
**[From 02-03-2020]**
- (ix) Two persons to be elected by the Samsad (Court)  
from amongst its members, none of whom shall be  
an employee or a student of the University
- Vacant
- (x) Two persons to be nominated by the  
Paridarsaka (Visitor)
1. Prof. Dr. Sujit K. Ghosh  
Swagat Chinar  
Block -'C', Flat - 3A, Chinar Park,  
New Town, Kolkata - 700 157
2. Dr. Sushovan Banerjee  
General Practitioner (Medicine)  
Haragouritala  
Bolpur, Birbhum
- (xi) One person to be nominated by the Pradhana  
(Rector)
- Mr. Justice Sakha Ram Singh  
Former Justice, High Court of Allahabad
- (xii) One person to be nominated by the Acharya  
(Chancellor)
- Prof. (Retd) Dulal Chandra Ghosh  
Paschimpalli, Santiniketan  
Near Naba Nalanda School
- (xiii) One alumnus to be nominated by the  
Upacharya (Vice-Chancellor)
- (i) Prof. Shelley Bhattacharya, FNAS,  
Former Adhyapaka  
Department of Zoology  
Visva-Bharati  
**[Upto 09-07-2019]**

(ii) Sri Tanmoy Roy Chowdhury  
SRB 103B , Shipra Riviera,  
Indirapuram, Gyankhand 3,  
Ghaziabad Uttar Pradesh 201014  
**[From 17-02-2020]**

(xiv) One Ex-Adhyapaka (with at least five years service as Professor) of Visva-Bharati to be nominated by the Upacharya (Vice- Chancellor)

Prof. Manju Mohan Mukherjee  
Former Adhyapaka  
Department of Social Work, PSV  
Visva-Bharati



## **Annual Report 2019-2020**

### **Visva-Bharati**

#### **EDITORIAL COMMITTEE**

Prof. Malay Mukhopadhyay, Dept. of Geography, Vidya Bhavana, Chairperson  
Prof. Debarati Bandyopadhyay, Dept. of English, Bhasha Bhavana  
Prof. Prasanta Chatterjee, Dept. of Mathematics, Siksha Bhavana  
Prof. Santanu Roy, Dept. of Zoology, Siksha Bhavana  
Prof. Sarthak Chowdhury, Dept. of Agricultural Extension, PSB  
Prof. Debasis Bhattacharya, Dept. of Agricultural Statistics, PSB  
Prof. Sujit Pal, Dept. of Life Long Learning & Extension, REC, PSV  
Prof. Sakuntala Mishra, Dept. of Hindi, Bhasha Bhavana  
Sri Soumyendra Sen, Joint Registrar (Development) Secretary  
Prof. Sanjoy Mallik, Kala Bhavana  
Prof. Mukteswar Nath Tiwari, Dept. of Hindi, Bhasha-Bhavana  
Prof. Sabyasachi Sarkhel, Sangit Bhavana  
Dr. Stuti Mamen, Dept. of English, Bhasha-Bhavana  
Dr. Bitan Mondal, Dept. of Agricultural Economics, PSB  
Dr. Arindom Chakraborty, Dept. of Statistics, Siksha Bhavana  
Dr. Prasenjit Saha, Dept. of Education, Vinaya Bhavana  
Dr. Bhaskar Das, Dept. of Geography, Vidya Bhavana  
Dr. Prohlad Roy, Dept. of Education, Vinaya Bhavana  
Dr. Jayanta Bhattacharya, Principal, Siksha Satra  
Dr. Sankar Roy Maulik, Dept of Silpa Sadan, PSV  
Shri Rishi Barua, Kala Bhavana

