

**International Seminar
on
Ecological and Environmental Sustainability: Way forward for Livelihood Security
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
September 25 – 26, 2019
Venue: Jharkhali, Basanti, South 24 Parganas**

ABOUT THE SEMINAR

Sustainability is the capacity to carry on. It is about stabilizing the currently disruptive relationship between earth's two most complex systems—human culture and the living world. In ecology the word describes how biological systems remain diverse and productive over time. For humans it is the potential for long-term maintenance of well being, which in turn depends on the maintenance of the natural world and natural resource. As the earth's human population has increased, natural ecosystems have declined and changes in the balance of natural cycles have had a negative impact on both humans and other living systems. The changing climatic conditions have a direct effect on plant growth and vigor, pathogen biology, population dynamics of insects, increase in salinity etc., which contributed negatively in agricultural food production. Awareness on different aspects of ecological environmental factors is of utmost important to cope up against the challenges. Food is understood to be only one of the priorities that people pursue. People are constantly required to balance food procurement against the satisfaction of other basic material and non-material needs. A livelihood is sustainable, when it "can cope with and recover from the stress and shocks, maintain its capability and assets, and provide sustainable livelihood opportunities for the next generation.

Our oldest literature namely; the Veda has ample references which reflect the thinking of Vedic people. The Vedas also contain various aspects of man's relationship with the environment. The basic philosophy seems to be that everything has come out of one singular source and hence each and everything in this universe is related with each and everything else. In the same sequences we also come across in our Indian literature right from the *gveda* upto contemporary age. In Indian writings right from the Vedas, Epics and *Pur a-s* etc. we find many references to ecological thoughts. Many ancient writers in Sanskrit described the importance and significance of *v yu* (gasses and air), *jala* (water), *de a* (topography) and time in the regulation of life, similarly, the concept of *pañcatattva* (five elements) namely; earth, water, air, fire, sky reflect the idea of circulation of materials. Indians have always respected plants and animals. We aim at giving reflections to the notions of world's ancient *i-s* (seers) about the conservation of life and nature and about the fractions of nature as different godheads. Their process of personification and deification of nature has much to say of the ecological values which are relevant in contemporary age.

In the same sequences we also come across the Buddhist texts i.e. Pali literature which speaks much about ecological thoughts of man of the society. Human behavior towards nature and nature's impact on human life is an important factor so far ecological study is concerned. For survival, mankind has to depend on nature for his food, clothing, shelter, medicine, and other requisites. For optimum benefits man has to understand nature so that he can utilize natural resources and live harmoniously with nature. Hence, the present seminar aims at focusing ecological awareness reflected in the Buddhist literature also which may give a great insight to contemporary age so far the theme of the seminar is intended.

Due to the intense publication of data related to the current ecological problem, it is crucial to broaden the debate about the development of actions to minimize environmental destruction by the entire society. Nevertheless, despite the great spread of knowledge about the theme, the expected behavior of environmental preservation is not observed in a significant portion of the population, resulting in difficulties to perform effective actions in this way.

However, the aim of the seminar is to have an academic exercise and discuss on the proposed theme from multi-disciplinary fields of study which may give insight to many aspects of human behavior towards their surrounding natural phenomenon. This can also provide an idea to generate a household livelihood security model allows for a broader and more comprehensive understanding of the relationships among the political economy of poverty, malnutrition and the dynamic and complex strategies that the poor use to negotiate survival.

Sub-themes:

- (i) Ecology & Environment – Stress Management
- (ii) Philosophy, Literature & Spirituality for Socio-Cultural Harmony
- (iii) Role of Climate Change in Crop Diseases and Pests
- (iv) Integrated Approach for Managing Abiotic & Biotic Stress
- (v) Religion & Belief for Social Unity
- (vi) Ayurveda, Yoga & Rituals for Peaceful and Healthy Life
- (vii) Relevant issues of contemporary Society

Call for Papers

The participants are invited to present their paper on the above-mentioned sub-themes or related topics.

- **Oral presentation:** The expert committee will sort list the research paper submitted by the participants for oral presentation. Each presenter will get 10 minutes to present the paper.
- **Poster presentation:** The poster session will organize covering all the themes identified in the conference to encourage wider interaction and sharing of information. The size of the poster shall be 75 cm x 100 cm, briefly sharing title, author(s) name and affiliation, objective, methodology, results and summary or conclusion in bulleted form. Any non-poly product for preparation of poster is appreciated.

Participants are requested to submit full paper after notification for acceptance of abstract as per following schedule:-

Important Date

Conference date	September 25 – 26, 2019
Abstracts' submission deadline	September 05, 2019
Notification of Abstracts' acceptance or rejection	September 10, 2019
Full paper submission	September 15, 2019
Last date of Registration	September 10, 2019

No abstract and registration will be entertained after the stipulated date due to paucity of accommodation in remote place.

Conference Mail ID: sundarban.con2018@gmail.com

General Guidelines

The Abstract should be within 300 words, typed in Times New Roman. The abstract should contain Title (12 pt font size), Name of the author(s) with affiliation and address (the name of the presenting author should be marked with asterisk) and e-mail of the corresponding author. Only registered participants will be appreciated by certificate. The entire abstract including text and keywords (4-5 words) typed in 12 pt font size must be sent as MS-WORD to the Organizing Secretary through e-mail (sundarban.con2018@gmail.com) within **05.09.2019**. Acceptance of the paper will be acknowledged accordingly. Full papers need to be submitted by **15.09.2019**. Please visit www.visva-bharati.ac.in for detail. Selected paper will be published in a peer-reviewed book with ISBN number. All the correspondences are to be made through e-mail and no hard copy of abstract/paper will be accepted.

Registration for the Seminar

Category	Registration Fees *
SAARC countries	
Professionals/Teachers/Researchers	INR 5000
Research Scholars/ Students for paper presenter	INR 3500
Accompany person (without kits)	INR 3000
Other than SAARC countries	
For foreigners	\$150

*Registration fee includes accommodation, seminar kits and fooding (breakfast, lunch and dinner).

Payment of Registration Fees

(a). Indian participants:

In case of Indian participants, the registration fee may be paid through Demand Draft in favour of 'The Secretary, Hiranmaypur Agrohorticultural Society for Technology and Rural Development' payable at **Bank of Baroda, Canning** or through money transfer (to be intimated immediately after the transfer of money with receipt through conference e-mail ID: **sundarban.con2018@gmail.com**). The last date for the receipt of the registration form along with registration fee is November 27, 2018.

Details of the Bank information

Bank A/C No.: 42240100007177

Bank & Branch: Bank of Baroda, Canning Branch

IFS Code: BARB0CANNIN

MICR Code: 700012096

(b). Foreign participants:

In case of foreign participants, the registration fee may be paid through money transfer (to be intimated immediately after the transfer of money with receipt through conference e-mail ID: **sundarban.con2018@gmail.com**). The last date for the receipt of the registration form along with registration fee is November 27, 2018.

Details of the Bank information

Name of A/C holder: VISVA BHARATI UNIVERSITY PROJECT

Bank A/C No.: 50100195564478

Bank: HDFC Bank Ltd.

Branch: Bolpur

IFS Code: HDFC0002785

MICR Code: 731240002

Swift code: HDFCINBBCAL

How to reach the venue?

Route 1: Kolkata/Howrah Rly. Station to Sealdah Rly. Station (4-6 km aprox.) by Bus/Taxi, Sealdah to Canning (55 km aprox.) by local Train, Canning to Jharkhali (38 km aprox) by Bus/Magic car/Auto/Motor van (You can reach from Netaji Subhas Chandra Bose International Airport, Kolkata to Sealdah Rly Station by Taxi/Bus).

Route 2: Dharmatala (Kolkata) to Basanti (Sonakhali) by Bus (77 km aprox.), Basanti to Jharkhali (21 KM) by Bus/Magic car/Auto/Motor van.

Route 3: Netaji Subhas Chandra Bose International Airport, Kolkata to Jharkhali (102 km) by Taxi/other hired car

No conveyance facilities and TA/DA will be provided to the participants.

Seminar Organizing Committee

- Chief Patron** : Prof. Bidyut Chakrabarty, Vice-Chancellor, Visva-Bharati
- Patron** : Prof. Ashis Kumar Chatterjee (Principal, PSB, Visva-Bharati)
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Registration Form

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September 25 – 26, 2019

Venue: Jharkhali, Sundarban, South 24 Parganas, West Bengal, India

Conference Mail ID: sundarban.con2018@gmail.com

Name of the Participant (in Block letters): _____

Sex: _____ Country: _____

Category: (a) Faculty (b) Practitioner/Professional (c) Research Scholar/Student*

Designation of the Participant: _____

Institute/University/Organization: _____

Address for Communication: _____

Tel/Mob: _____, Registration fee: _____

Email ID: _____

**Demand Draft (DD) No. _____ Date _____ Issuing Bank _____

**Money Transfer Receipt No. _____ Date _____

Expected date and time of arrival: _____, Expected date and time of departure: _____

Accommodation required: Yes/No No. of accompanying person: _____

Date: _____

Signature of the Participant

*Copy of Identity Card may be attached/uploaded with the Registration Form

**Kindly e-mail (sundarban.con2018@gmail.com) scanned copy of DD/Money Transfer Receipt with the Registration Form

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Tentative programme Schedule

Day 1 (September 25, 2019)	
8.00 -10.30 am	Registration
11.00 -12.00 noon	Inaugural Session Welcoming (<i>baran</i>) the dignitaries Lighting the Lamp Opening Song Welcome Address About the conference Speech by Guest of Honour(s): Speech by Special Guest Address by Chief Guest Address of Chairperson Vote of Thanks
12.00-12.10pm	Tea Break
12.10-12.30 pm	Keynote Address
12.30-1.30 pm	Technical Sessions I (Invited lectures)
1.30-2.10pm	Lunch break
2.10-3.10pm	Technical Sessions II Parallel Session I (Oral) Parallel Session II (Poster)
3.10-3.20pm	Tea break
3:20-4:30 pm	Technical Sessions III Parallel Session I (Oral) Parallel Session II (Poster)
8:00-9:00pm	Dinner
Day 2 (September 25, 2019)	
8:30-9:00 am	Breakfast
9:00 -11:00am	Technical Sessions I Parallel Session I (Oral) Parallel Session II (Poster)
11:00-11:10am	Tea Break
11:10- 12:10am	Technical Sessions II Parallel Session I (Oral) Parallel Session II (Poster)
12:10-12:40 pm	Valedictory Session
12:40-01:30 pm	Visit to Jharkhali Eco-Park
01-00-2:00 pm	Lunch Break
The End	

***Important information for the delegates:**

- The programme schedule may be changed in unavoidable circumstances.
- The BSNL network at Jharkhali is very weak.
- The Organizers will provide accommodation for the participants from 24th Sept, 2019 (afternoon) to 26th September, 2019 (afternoon). Fooding will be provided to the participants from 25th Sept, 2019 (morning) to 26th Sept, 2019 (noon).
- Onward and Return journey – Participants have to be arranged vehicle by their own from venue to destination.
- During registration your accommodation will be informed in allotted guest house.
- You can reach to the venue by public convenience from Canning or return.
- Kindly show your money transaction receipt / money receipt during registration, if required.
- Need your kind cooperation and support to make the programme successful.

N.B.: Expected participants: 150

Foreign Delegates: Expected from Myanmar, Bangladesh and Sri Lanka.