



# International Conference

on

## Biotic and Abiotic Stress of Crop Plants and their Sustainable Management

Hybrid Mode

February 02-03, 2023

Venue:

Department of Plant Pathology  
PSB, Visva - Bharati

Organized by

Department of Plant Pathology  
Palli Siksha Bhavana (Institute of Agriculture)  
Visva-Bharati, Sriniketan,  
Birbhum, West Bengal  
Pin-731236, India



# Background

With ever growing human populations and decreasing land mass suitable for lateral expansion of agriculture, higher production of biomass per unit area is essential for future food security as well as allied agriculturally based industry. The current food grain production is around 310.74 million tones (2020-21) which is higher than the targeted production. However, the production system is highly fragile and monsoon dependent. The decelerating agricultural productivity is already becoming evident in certain agro-ecosystems of different parts of the country and elsewhere. In addition, the climate change phenomena is experienced yet the impact of the same on agricultural productivity is not fully realized, although international efforts are tremendous. The spectra of biotic and abiotic diseases and their indices have changed at least partially in last two – three decades and they definitely have impact on production system. In last three decades the education and research on Plant Pathology have undergone several changes and also with the elaborate extension systems. The farming community can easily communicate their problems to the scientists but the economical measures are still beyond the expectations of the growers. The rich biodiversity of the zone particularly microbes is still to be explored. The new and emerging dimensions of plant disease management have also compelled the extension personnel to make a striking balance between traditional technology, indigenous technology and use of agrochemicals. Despite many achievements in Indian agriculture the plights of farmers are not over and farmers' suicide is now reached the alarming proportion to the technology driven yet cash-starved, debt-ridden farmers. The integration of Plant Pathological research with the main focus of developing suitable packages for disease management and other disciplines is thus imminent.

Under this background and shift in paradigms of production technology, the present International conference is thus devoted to “**Biotic and Abiotic Stress of Crop Plants and their Sustainable Management**”

## **The main sub-themes of this conference includes :**

1. Biotic and abiotic causes of crop diseases, their detection, identification and characterization.
2. Interaction between crop host and disease causing agents.
3. Ecology, edaphology and epidemiology related to plant diseases.
4. Macro-fungi and their cultivation constraints.
5. Integrated conventional and non-conventional stress management for sustainable crop production.
6. Innovative technologies (biotechnology, nanotechnology, SAR etc.) in plant protection.
7. Academia, government and industry interface addressing the additional income generation and livelihood security.



## International Conference

# Biotic and Abiotic Stress of Crop Plants and their Sustainable Management

## Lead / Keynote Speakers



**Dr. Shaonpius Mondal**  
Assistant Professor,  
Department of Entomology,  
University of Nebraska,  
Lincoln, NE. USA



**Dr. Sanku Dattamudi**  
Assistant Professor,  
Soil Science,  
Texas A&M University,  
Kingsville, Texas, USA



**Dr. Saoli Chanda**  
Research Scientist,  
Agroecology and Sustainable Agriculture,  
Florida International University,  
Miami, FL, USA



**Dr. Gaurav Jha**  
Assistant Professor,  
Precision Agriculture,  
Kansas State University,  
Manhattan, KS, USA



**Dr. Saptarshi Mondal**  
Graduate Research Assistant (Ph.D.),  
Department of Crop and Soil Sciences,  
University of Georgia,  
Griffin, USA



**Dr. Somnath Koley**  
Research Scientist,  
Donald Danforth Plant Science Centre,  
Missouri, USA



# Invitation

The Organizing Secretary on behalf of the Organizing Committee invites relevant contributions from the agriculture scientists, scholars, technologists, the industry and policy planners for the **International Conference on “Biotic and Abiotic Stress of Crop Plants and their Sustainable Management”**. Contributions are invited in the form of both oral and poster presentations on the aforementioned sub-themes.

**Call of abstracts : Abstract of the paper related to the theme areas of the conference are invited for oral and poster presentations.**

## Organizing Committee

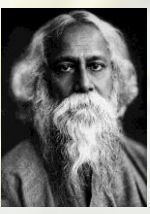
<b>Chief Patron</b>	<b>:</b>	<b>Prof. Bidyut Chakrabarty</b> Hon'ble Vice-Chancellor, Visva-Bharati
<b>Patron</b>	<b>:</b>	<b>Prof. Arun Kumar Barik</b> Principal, PSB
<b>Convener</b>	<b>:</b>	<b>Prof. Ranjan Nath</b> Head, Dept. of Plant Pathology, PSB
<b>Joint Convener</b>	<b>:</b>	<b>Dr. J K. Chatterjee</b> Head, Dept. of Animal Science, PSB
<b>Organizing Secretary</b>	<b>:</b>	<b>Dr. Mohan Kumar Biswas</b>
<b>Joint Organizing Secretary</b>	<b>:</b>	<b>Dr. Bholanath Mondal</b> <b>Sri Vivek Kumar Khare</b>

## Advisory Committee

Prof. D. Dasgupta, Ex. Hon'ble Vice-Chancellor, BCKV	Prof. M. P. Thakur, Dean, College of Agriculture, IGAU, Raipur, C.G.
Prof. C. Chattopadhyay, Ex. Hon'ble Vice-Chancellor, UBKV	Prof. A. K. Chowdhury, Deptt. of Plant Pathology, UBKV
Dr. P. K. Chakraborty, Ex. ADG, Plant Protection, ICAR, New Delhi	Prof. B. N. Chakraborty, Ex. President, IPS, New Delhi
Dr. Dinesh Singh, Ex.Secretary, IPS, IARI, New Delhi	Prof. K. Khalari, Deptt. of Plant Pathology, SVPAU&T, Meerut, U.P.
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Dr. S. Das, Ex. Dean, F /Ag., BCKV	Dr. J. Tarafder, Deptt. of Plant Pathology, BCKV

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Dr. P. K. Biswas PSB, Visva-Bharati	Prof. Dilip Kumar Mishra, BCKV



## About The Institute

Visva-Bharati (Bengali: বিশ্বভারতী), was founded by Poet Rabindranath Tagore, means the communion of the world with India. Visva-Bharati was declared to be a first Central University and "An Institution of National Importance" by an Act of Parliament in May 1951. Visva-Bharati has twin campuses; Santiniketan (The Abode of Peace) and Sriniketan (The Abode of Prosperity).

The university is unique with an integrated education system between school teaching to post-graduation teaching and research for full realization of the "Concept of Man" as envisaged by the Founder. Visva-Bharati still hold classes in open air under the shade of trees where man and nature entered into an immediate harmonious relationship. Teachers and students shared the single integral socio-cultural life. Simplicity is a cardinal principle of this institute. There are many notable alumni like Amartya Sen, Nobel Laureate in Economics; Satyajit Ray, filmmaker, painter and writer; Mahasweta Devi, author, Magssasy winner and social activist, who not only recognized in India but also well recognized throughout the world.

The Nobel Laureate Poet Rabindranath Tagore has experienced the plights of the then Indian farming community and established Sriniketan in 1922 for solving the different problems of agriculture and allied sectors. It was formally inaugurated on February 6, 1922 with Leonard Elmhirst as its first Director. In 1906, multifaceted genius Rabindranath sent his son Rathindranath Tagore, son-in-law Nagendranath Ganguly and friend's son Santosh Majumdar to study agriculture and animal science at the University of Illinois (Urbana, USA) and later put them in charge of agricultural development as a part of Sriniketan experiment. The chief objective was to help villagers and people to solve their own problems instead of a solution being imposed on them from outside.

The Palli Siksha Bhavana is functioning since 1963 to offer graduation in Agriculture. Plant Pathology and Agricultural Entomology, two important sections of Plant Protection were taught in the *Department of Plant Protection*, established in 1989. Earlier these two major sections were functioning since 1965 under the Department of Agriculture, Palli Siksha Sadana.

The Department continued to offer resident instruction programme in Plant Pathology 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 Plant Pathology. Many informative text books relating to Plant Pathology, Post harvest Pathology, Phyto-nematology, Diseases of crops have been published from Plant Pathology section of erstwhile Plant Protection Department.

In 2019 formation of the Department of Plant Pathology has been resolved in the Executive Council of Visva-Bharati with a view to impart recent knowledge in the field of Plant Pathology to the students, farmers and other stakeholders of the society.

## About Location

The Santiniketan – Sriniketan is on Sahebganj loopline and about 150 km from Howrah/ Sealdah/ Kolkata Railway Station of Eastern Railway. From Burdwan Railway Station it is only 45 km while from Bolpur / Santiniketan Railway Station only 4 km. The nearest Airport is Netaji Subhas Chandra Bose Airport, Dum Dum, Kolkata and connected by both road and railways.

Many important attraction sites are available at Santiniketan, which includes The serene Ashram Campus, Rabindra museum, Amar kuthi, Kankali tala, Tarapith, Lavpur etc. One-day out-campus tour can be arranged if number of participants exceeds 30.





## Important Dates

**Submission of extended abstracts : 28<sup>th</sup> January 2023**

**Communication of acceptance : 31<sup>st</sup> January 2023**

**Registration : 01<sup>st</sup> February 2023**

<b>REGISTRATION FEE (RUPEES ONLY)</b>		
<b>Delegates</b>	<b>Offline</b>	<b>Online</b>
Scientists/Professors/Teachers	1000	800
Research Scholars/Students	800	600

The Registration fee includes working lunch and seminar kit (Offline only) during the conference period.

**The registration fee can be paid online through SBI Collect Module under State Bank of India. After payment kindly fill the registration details in google form link : <https://forms.gle/9PR6HQEjedHYJAwo7>. The abstract can also be sent through the email at [plantpathologyvb@gmail.com](mailto:plantpathologyvb@gmail.com) .**

### **Guidelines to send money through SBI Collect Module:**

**Step 1:** Please type

<https://www.onlinesbi.com/prelogin/icollecthome.htm?corpID=767104>

**Step 2:** Click Check Box to proceed for payment

**Step 3:** Select State “West Bengal”

**Step 4:** Select Corporate/Institution – “Educational Institutions” + Go

**Step 5:** Select “VISVABHARATI UNIVERSITY”

**Step 6:** Select Payment Category “ Misc Receipt”

**Step 7:** Fill up all details in CAPITAL and Select Purpose of Deposit “ Other”

**Step 8:** Type at Remarks in CAPITAL “SEMINAR FOR BIOTIC & ABIOTIC STRESS PLANT PATHOLOGY”

**Step 9:** Take print out/save pdf of payment receipt and send us

## Paper Sending Instruction

- ✓ **Extended Summary:** Preferably MS word 2007,2010 etc.
- ✓ **Font** –Times new Roman, **Title**–Font size 14 bold, Centrallty placed, Single space, **Authors name(s)** - Times New Roman, Upper case, font size 12, Bold, Centrally placed; Single space with underlining the presenting Author, **Address** – Times New Roman, font size 10, Centrally placed, Single space and mentioning the Presenting author email address.
- ✓ **Text** - Not exceeding two (2) A4 Size Paper (Maximum 600 words) with Margins L: 1.5”, R: 1”, T: 1” & B : 1” – Times New Roman, font size 12, single space;. Text includes Paragraphs of Introduction - Materials and Methods – Results and Discussion - Recommendation and 1-2 table / graph ; Double space between paragraphs.
- ✓ **Poster** - Present your findings in 30”x 40” i.e. 76x 102 cm Photo / Flex / Venyl paper Poster with Title, Authors Name (highlighting presenter name) and address, Significant Results with photographs & Table and Conclusion.

### Google Form Link (fill the registration details) :

<https://forms.gle/9PR6HQEjedHYJAwo7>

### Payment Link :

<https://www.onlinesbi.com/prelogin/icollecthome.htm?corpID=767104>

### Contact Address

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