

Second Circular National Seminar

on

New Paradigm of Plant Health Management: Mitigating the Impacts of Climate Change on Food Security & IPS-NEZ Annual Meeting 7th to 9th November 2025



Venue:
Seminar Hall
CAU-College of Agriculture
Pasighat, Arunachal Pradesh



Organized by

**Central Agricultural University (Imphal) - College of Agriculture
and College of Horticulture & Forestry
Pasighat, Arunachal Pradesh (India)**

In association with

Indian Phytopathological Society, New Delhi (India)
Indian Sugarcane Research Institute, Lucknow (UP)
NABARD, Itanagar, Arunachal Pradesh



ABOUT THE SEMINAR

The sustainability of food production to feed the burgeoning population, under the looming effect of climate change, is one of the biggest concerns in the 21st century. Indian agriculture, with shrinking land resources, has posed greater challenges to meet our ever-increasing requirements. To intensify the existing situations, diseases and pests are presenting a shift in the predominance, requiring appropriate plant health management strategies under the climate change scenario.

The new paradigm of plant health management (NPPHM) is crucial for sustaining food security, especially in the impacts of climate change, which brings about unpredictable weather patterns, increased pest pressures, and new disease challenges. As the global population grows and the effects of climate change intensify, agriculture faces numerous challenges, including crop losses, reduced yields, and food insecurity. A modern approach to plant health management must be holistic, adaptable, and more sustainable to ensure food security. Such endowers will definitely upscale the production technologies by providing better and improved plant health regimes in times to come. In this backdrop, the organizing committee feels immense pleasure in inviting you to share your thoughts, invaluable knowledge and experience during the National Seminar (NPPHM) and IPS (NE Zone) Annual Meet with the given thematic areas.

THEMATIC AREAS

The seminar will focus on:

- Impact of climate change on plant health and sustainable food security.
(*Climate change, soil health, plant nutrition, plant diseases and crop yields*)
- Plant disease diagnostics, epidemiology and crop health monitoring.
(*Serological and molecular approaches, remote sensing, sensor network etc.*)
- Advances of microbial diversity and plant-microbe interactions.
(*Characterization of microbes, phytopathogens, variability, resistance etc.*)
- Innovative approaches for integrated disease management.
(*Nano-phytopathology, traditional, conventional methods, and ITKs etc.*)
- Natural farming and bio-resources for organic farming.
(*Natural and bio rational products, certification issues etc.*)
- Utilization of crop genetic resources for biotic and abiotic stress tolerance.
(*Crop biodiversity, conventional and molecular approaches etc.*)
- Innovative strategies for post-harvest disease management.
(*Bio-priming, natural extracts, essential oil, edible coating, etc.*)
- Recent advances in extension-plant pathology and entrepreneurship.
(*AI, ICT tools, advisory services, entrepreneurial roles, etc.*)
- Policy support and local-global collaborations.
(*Policy, education, marketing, plant health awareness and regulations*)



ABOUT THE UNIVERSITY

The Central Agricultural University (CAU) was established under the Department of Agricultural Research and Education (DARE) on 26th January 1993 by the Central Agricultural University Act, 1992 (No.40 of 1992) of parliament, with its headquarters at Imphal, Manipur. It is a fully residential university covering all the North-East Hill states under its jurisdiction except Assam. Like other Agricultural Universities in India, the CAU also has integrated teaching, research and extension education programs. As per the mandate, the university has established 13 constituent colleges, viz; i) College of Agriculture (Pasighat, Arunachal Pradesh), ii) College of Horticulture & Forestry (Pasighat, Arunachal Pradesh), iii) College of Agriculture (Imphal, Manipur), iv) College of Fisheries (Agartala, Tripura), v) College of Home Science (Tura, Meghalaya), vi) College of Veterinary Sciences & Animal Husbandry (Aizawl,

Mizoram), vii) College of Veterinary Sciences & Animal Husbandry (Jaluki, Nagaland), viii) College of Agricultural Engineering & Post-Harvest Technology (Gangtok, Sikkim), ix) College of Food Technology (Imphal, Manipur), x) College of Post Graduate Studies in Agricultural Sciences (Umiam, Meghalaya), xi) College of Horticulture (Bermiok, Sikkim), xii) College of Horticulture (Thenzawl, Mizoram) and xiii) College of Agriculture, (Kyrdemkulai, Meghalaya). University also has 6 Krishi Vigyan Kendra (KVKs) and 6 Multi Technology Testing Center & Vocational Training Center (MTTC&VTCs).

ABOUT THE COLLEGE OF AGRICULTURE, PASIGHAT

The College was established on 26th November 2013 at Pasighat, Arunachal Pradesh on the bank of beautiful river Siang to serve as a leading centre of education, research, extension and training in the field of agriculture and allied subjects in the state. The state lies in Eastern Himalayan zone of India and has four agro-climatic zones. Because of its varied agro-climatic zones, the soil and climatic condition of the state offers an ideal condition for the production of a wide variety of field crops and horticultural crops. It is situated at 28.06' N latitude and 95.32' E longitude at an elevation of 157 msl. Murkongselek, Dibrugarh and Harmuti are the nearest railway stations located 37 km, 151 km and 224 km respectively, away from the Pasighat. It is well connected to Murkongselek, Dibrugarh, Itanagar, Guwahati, Kolkata and New Delhi by train. It is also connected with Dibrugarh, Itanagar, Guwahati, Kolkata and New Delhi by flight. Weather of Pasighat in the month of November is expected to be cooling pleasant with mean maximum temperature of 27°C and mean minimum temperature of 20°C. Afternoon is pleasant and nights are cold.

ABOUT INDIAN PHYTOPATHOLOGICAL SOCIETY (IPS), NEW DELHI

The Indian Phytopathological Society (IPS), established in 1947, is a premier professional society dedicated to plant pathology in India. It promotes research, education, and awareness in the field of plant diseases and their management. IPS organizes annual conferences, publishes the esteemed journal "Indian Phytopathology," and facilitates collaboration among scientists, researchers, and practitioners. The society aims to address challenges in phytopathology, contribute to sustainable agriculture, and ensure food security. By fostering innovation and disseminating knowledge, IPS plays a crucial role in advancing plant health science in India and globally. The Society focuses on the field of Plant Pathology including Mycology, Bacteriology, Virology and Nematology, giving a platform to the scientists working in the field of plant pathology-related research to share their research achievements.

ABOUT THE ARUNACHAL PRADESH

Arunachal Pradesh is the "Land of dawn-lit mountains", erstwhile North East Frontier Agency (NEFA), is situated at the North-East extremity of the country. It is bounded by Bhutan to the West, China to the North and North-East and Myanmar to the East. It shares inter-state boundary with Nagaland in the East and South-East and Assam in the South. Arunachal Pradesh is India's remotest state and the first Indian soil to greet the rising sun. This beautiful land is endowed with dazzling array of flora and fauna that is sure to allure any tourist.

More than 500 rare species of Orchids are found in the dense Jungles of Arunachal Pradesh. The misty hills, sparkling rivers, gurgling waterfalls add charm to the beauty of this incredible land. Arunachal Pradesh is basically an agricultural state. Approximately 68% of all working people are involved in agriculture and associated fields. On the hill slopes, they mostly engage in a custom that is deeply ingrained in their history and tradition: "shifting cultivation" or "Jhum". Arunachal Pradesh is not only geographically strategic but also spiritually vital in the Buddhist world, especially among Himalayan and Tibetan Buddhist communities. Would you like to explore the history of Tawang Monastery deeper or know about the festivals celebrated there? The Kalika Purana and the renowned Hindu epic Mahabharata both make reference to Arunachal Pradesh. It is thought to be the Puranas' Prabhu Mountains. In Arunachal Pradesh, the sage Parshuram washed away his sin, the sage Vyasa pondered, King Bhishmaka established his kingdom, and Lord Krishna wed his wife Rukmini, according to a Hindu legendary account. Numerous historical structures and archeological remnants can be found throughout Arunachal Pradesh, India, which has been the site of numerous strong dynasties and kingdoms. These remnants attest to the region's rich cultural legacy.

MODE OF PARTICIPATION: Hybrid mode (Both online and offline)

IMPORTANT DATES TO REMEMBER

Abstract submission & Registration (opening date): August 08, 2025

Abstract submission (closing date): October 25, 2025

Last date for submission of extended abstract/full length paper: October 25, 2025

Early-Bird Registration (closing date): October 25, 2025

Last date for communication & acceptance of abstract/paper: October 25, 2025

CALL FOR ABSTRACTS

Format of Abstract/Extended Abstract/Full Paper/Lead Paper:

Delegates and participant are requested to kindly send the soft copies of the abstracts, full length paper and articles through email id ipspasighat@gmail.com by 25th October, 2025 for publication in the tentative book title “**Plant Health Management**”, “**Natural Resource Management**” and “**Smart Farming**” with ISBN No. which will be published by International or National publisher within 2-3 months. The abstract not exceeding 250 to 300 words and full length paper/articles with 10-15 pages should be send in MS-Word (Times New Roman, Front size 12). Abstracts, full length paper and articles will be printed only after receiving the registration fee. Please underline the name of the presenter and mention the email ID of the corresponding author.



AWARDS

The seminar has constituted best oral and poster presentations awards in each theme for first, second and third prize.

IPS AWARD CONTESTS

Prof. M.J. Narasimhan Merit Academic Award (IPS) - Zone level contest for selection to National level contest

The North-Eastern Zone will organize a contest among the NE Zonal members during the Zonal Chapter's Meeting for a preliminary selection of contestants. Only two names will be recommended by Zonal President for the final contests' annual meeting of IPS to be held during National Seminar on New Paradigm of Plant Health Management: Mitigating the Impacts of Climate Change on Food Security & IPS-NEZ Annual Meeting at COA, Pasighat. The age limit for the contestant would be 35 years.

TO WHOM IT MAY CONCERN

It is to be certified that the paper entitled “.....” presented for Prof. M.J. Narasimhan Merit Academic Award Contest for the year (2025) pertains to the major work done by the candidate..... (Name of the candidate). It is further certified that the work has not been published and presented for any other award till date and contestant is below the age of 35 years and is a member of the society.

Signature of the student

Guide/Advisor of the student

The Society will publish the paper of awardees in Indian Phytopathology. The award recipient must submit a full-length paper (as per IPS guidelines) for publication in the journal Indian Phytopathology. There is no restriction on the age of co-author, if any.

APS-IPS TRAVELS SPONSORSHIP FOR PH.D. STUDENTS

The American Phytopathological Society has offered the travel award to a Ph.D. student who is a member of IPS. Competitions among Ph.D. students in IPS-North Eastern region will be held during the IPS-NE Zonal meet. Ph.D. students (NEZ) are invited to participate in this contest in single or joint authorship. The purpose of the award is to encourage plant pathology students pursuing a doctoral degree in India and who are members of IPS to attend the APS annual meeting or APS sanctioned meeting if deemed appropriate by the Indian Phytopathological Society and APS Foundation Board.

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GUIDELINES

- All contestants should be a member of IPS.
- Abstracts prepared should be submitted online on or before 25th October, 2025.
- The contestants will have to give a brief Bio-data, the certificate furnishing the Age proof, and proof of pursuing a Ph.D. degree.
- The award will be given to the best paper presented at the annual meeting of IPS.
- In-service candidates are not eligible for the APS travel award.



REGISTRATION FEE STRUCTURE

The seminar will be open for registered delegates. The details of the registration fee are given below. The duly filled registration form and along with abstract paper can be sending on the seminar email: ipspasighat@gmail.com for the registration and abstract(s) submission. The registration fee can also be paid through net banking/cheque in favour of National Seminar on NPPHM-2025.

Delegate Type	Offline Participants		Online Participants
	Early Bird Registration	Late Registration	
Scientist / Faculty / Govt. officials/ IPS members	INR 4000.00	INR 5000.00	INR 2500.00
Research Scholar	INR 2000.00	INR 3000.00	INR 1500.00
Student (without kit)	INR 1500.00	INR 2000.00	INR 1000.00
Corporate	INR 8000.00	INR 10000.00	INR 5000.00

ACCOMMODATION

The accommodation for the participants will be arranged in the Guest House/TGH of the College on first cum first basis. Reasonable and affordable accommodation shall be provided in nearby hotels on payment basis on prior request.

For further details, please contact:

Dr. Gireesh Chand, Chief Organizing Secretary
Dr. Amit Kumar Singh, Organizing Secretary
Mobile: +91 9110931742/ +91 9862567417
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Registration Form

Surname: First Name:

Designation:.....

Address:.....

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City:PIN:.....

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E-mail:

Title of the Oral/Poster Presentation:

.....

.....

Theme area (S.No.):

Cheque No./Online payment details:.....

Dated:

Registration fee for Rs.....

paid in favour of “NPPPHM-2025” Account No. 44211343317; IFSC Code: SBIN0001395, Branch: Pasighat.

Arrival Date:..... Time:.....

Travel mode (itinerary details):.....

.....

Departure Date:..... Time:.....

Note: *Only Multicity Cheques will be accepted.

Date:

Signature:

The filled-in registration form should be sent to: ipspasighat@gmail.com

Registration link:

<https://docs.google.com/forms/d/e/1FAIpQLSd8A7nofbpxISC3zIjPOMVK68YB9APQOiKnTscF3KIApHPrXQ/viewform?usp=header>



Explore “Land of the Rising Sun”



National Seminar

on New Paradigm of Plant Health Management: Mitigating the Impacts of
Climate Change on Food Security & IPS-NEZ Annual Meeting
7th to 9th November 2025