

AAPP

FIRST CIRCULAR

International Conference



Together we will
protect our crops

**25-27
FEBRUARY
2026**

Prof. S. Jha, Int Org Sec
Prof. M. R. Khan, Int Convener
Dr. A. Mukherjee, Nat Org Sec

**Advances in Digital
Solutions and Green
Technologies in Crop
Pest Management**

KEY THEMES

- Harnessing Technology for Sustainable Agriculture
- Innovative Solutions for Pest Management
- Green Alternatives for Crop Protection
- Sustainable pest & pollinators management issues



ISI



NAAS



भारतीय
ICAR

Indian Statistical Institute
Kolkata- 700108, West
Bengal, India

International Conference

Advances in Digital Solutions and Green Technologies in Crop Pest Management

BACKGROUND

Innovative solutions have become vital as the agricultural sector navigates a rapidly changing landscape shaped by climate change, increasing pest resilience, and the urgent need for sustainable farming practices. The Digital Agriculture Mission in India is an ambitious government initiative aimed at transforming Indian agriculture through the integration of digital technology. The mission seeks to make Indian agriculture more productive, sustainable, and farmer-friendly by leveraging data and technology across multiple aspects of the agricultural value chain.

This conference offers a dynamic global platform that delves into the transformative role of digital technologies and green innovations in modern pest management strategies. It aims to cultivate a collaborative environment by bringing together a diverse array of thought leaders, including prominent researchers, dedicated practitioners, influential policymakers, and industry experts. By fostering open dialogue and knowledge exchange, we seek to uncover sustainable solutions that effectively mitigate pest impacts while prioritising ecological health and balance.

Participants can expect to engage in an array of compelling topics, such as the application of artificial intelligence for enhanced pest monitoring, the exploration of eco-friendly pest control alternatives, the development of data-driven decision-support systems, and the critical role of policy in encouraging sustainable agricultural practices. Through a rich program comprised of keynote speeches from leading experts, insightful panel discussions, hands-on workshops, and ample networking opportunities, attendees will gain valuable insights into groundbreaking advancements and practical applications that address the pressing need for environmentally conscious pest management solutions.

The International Conference on **Advances in Digital Solutions and Green Technologies in Crop Pest Management from 25-27 February 2026** serves as a convergence point for scientists, industry professionals, and policymakers from around the world. Together, they will share their latest research findings, innovative techniques, and best practices in sustainable agriculture. By emphasizing a reduction in pest impacts while minimizing environmental damage, the conference illuminates the potential for technology and green methodologies to profoundly revolutionize the field of pest management.

KEY OBJECTIVES

- **Foster Innovation:** Promote the development and adoption of cutting-edge digital technologies to enhance crop protection.
- **Advance Green Technologies:** Explore sustainable and environmentally friendly methods for pest management.
- **Facilitate Knowledge Sharing:** Create a platform for exchanging ideas and experiences among experts.
- **Collaborate for Impact:** Encourage partnerships to drive transformative solutions.

KEY THEMES

- **Harnessing Technology for Sustainable Agriculture**
- **Innovative Solutions for Pest Management**
- **Green Alternatives for Crop Protection**
- **Sustainable pest and pollinator's management issues**

This conference will explore interdisciplinary approaches to crop pest management, with an emphasis on:

- **Digital Solutions in Pest Management**
 - Artificial Intelligence (AI) and Machine Learning (ML) in pest identification and monitoring
 - Drone Technology for Precision Agriculture
 - Precision agriculture for targeted pest management
 - Internet of Things (IoT) applications in crop health assessment
 - Geographic Information Systems (GIS) and remote sensing for pest detection
- **Green and Sustainable Pest Management Technologies**
 - Biopesticides and Integrated Pest Management
 - Integration of organic and ecological pest management practices
 - Reducing pesticide dependence through green alternatives
 - Role of genetics and biotechnology in pest-resistant crop varieties
- **Data Analytics and Decision Support Systems**
 - Big data and predictive modelling in crop health
 - Decision support systems for pest risk assessment
 - Real-time pest outbreak tracking and early warning systems
- **Impact of Climate Change on Crop Pest Dynamics**
 - Climate-Smart Pest Management Strategies
 - Impact of extreme weather patterns on pest lifecycle
 - Modeling and forecasting pest prevalence in varying climates

- **Policy, Regulation, and Education in Sustainable Pest Management**

- o Regulatory frameworks for eco-friendly pest management
- o Encouraging the adoption of green technologies among farmers
- o Education and training initiatives for sustainable agriculture practices

- **Digital Platforms for Farmer Empowerment**

- o Technology, market price and online selling of farm produces.

KEYNOTE SPEAKERS

- **Speaker s** – Expert in Digital Agriculture Solutions
- **Speakers** – Specialist in Sustainable Pest Management
- **Speakers** – Policy Maker and Advocate for Green Technologies
- **Speakers** – Industry Leader in Biocontrol Technologies
- **Speakers** – Pollinators issues

CONFERENCE HIGHLIGHTS

Presentations: Keynote speakers/lead /Invited talks

Panel Discussions: Thought leaders discuss global pest challenges and solutions for green and digital advancements.

Poster Presentations: Researchers present innovative studies on crop pest management.

Award Paper Presentations: Best Thesis/Yuva Pratibha Award competitions

Networking Sessions: Opportunities to connect with global experts, industry leaders, and policymakers.

Plenary Session: Reports presentations of different sessions, recommendations, and award presentations.

Chief Patron

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Dr. Mangi Lal Jat, Secretary DARE & DG ICAR

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Prof. Matiyar Rahaman Khan

Dr. Abhishek Mukherjee

TREASURER

Dr. S. K. Ray

AAPP AWARDS

AAPP invites applications from the eligible candidates for:

- Yuva Pratibha Award
- Best Thesis Award (MSc/Ph.D.)
- Fellow, Association for Advancement in Plant Protection

The applications should reach the **Secretary, AAPP** on or before **15th January 2026** via email: **aappconference2026@gmail.com**. For details and updates, if any, please visit the AAPP website- <https://www.aappbckv.org/>

WHO SHOULD ATTEND?

This conference is a must-attend event for researchers and academics in agriculture and environmental science, agricultural technology innovators and companies, policymakers and government officials, NGOs and environmental advocacy groups, farmers and agricultural extension specialists, and students who are committed to updating innovation, advancing knowledge of sustainable agriculture and embracing digital solutions.

CALL FOR PAPER

Abstracts of papers are invited not exceeding 350 words for lead/invited talk and competition award papers. For poster presentations, abstracts have a word limit of 250 words. Abstract typed in 12-point font size of MS Word may be submitted online (<https://abhimukh.wixsite.com/aapp2026>) or to the AAPP email aappconference2026@gmail.com by 15-10-2025. The size of the poster for the display should be 75x100cm briefly showing the Title, Methodology, Results, and Conclusion with three tables and good-quality photographs. It should be clearly readable from a distance of at least one meter. The oral/poster presentations will be evaluated by a panel of judges for the best oral as well as poster presentation award.

REGISTRATION FEE

Category	Till 15 th Jan 2026 (INR)	Foreign Delegates(USD)
AAPP LM	3,000/-	-
Non-AAPP Member	8,000/-	100
Students (AAPP LM)	1,500/-	25
Students (Non-Member)	3,000/-	50
JRF/SRF/RA	4,000/-	75
Corporate (max 2 participants)	25,000/-	-

A pre-registration fee of **INR 1000 per abstract** (adjustable in the registration fee but not refundable) is to be paid at the time of submission of the abstract. Abstract acceptance will be given only after receiving the full registration fee. Payments must be made online to: Association for Advancement in Plant Protection, **State Bank of India**, A/c No.11151098069, IFSC code: **SBIN0001082**, MICR: 700002319, Kalyani Branch (001082), Kalyani, Nadia-741235, West Bengal, India.

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VENUE

Indian Statistical Institute (ISI); BT Road, Baranagar (Dunlop), Kolkata- 700108, West Bengal, India.

ABOUT ISI

The Indian Statistical Institute (ISI) in Kolkata is a renowned academic institution dedicated to the fields of statistics, mathematics, and computer science. Established in 1931, it holds a prestigious status as one of the oldest and most esteemed statistical institutions in the world. ISI Kolkata has played a pivotal role in advancing research and education in various disciplines, offering undergraduate and doctoral programs. The institute's contributions span theoretical and applied statistics, data analysis, machine learning, and computer science as well as different aspects of natural and social sciences including the promotion of sustainable agriculture, making it a hub for cutting-edge research and innovation. Besides the core areas, ISI also excels in the domains of Theoretical and applied ecology, agriculture, and natural resource management, and with its rich history and exceptional academic environment, ISI Kolkata continues to shape the landscape of statistical and mathematical studies not only in India but globally.

The Agricultural and Ecological Research Unit at ISI is a distinguished research entity focused on advancing knowledge and understanding in the fields of agriculture, ecology, and their interplay.

HOW TO REACH

If you are coming from the airport, drive towards Dunlop Bridge. If you are coming from one of the railway stations (Sealdah and Howrah), you will have to drive five kilometers north of Shyambazar's five-point crossing, towards the Dunlop Bridge. As you approach Dunlop Bridge, the boundary wall of the ISI campus will be visible on your left.

BUS ROUTES

The residential campus is at the Bus Stop called Bon Hooghly (Gate number:205) and the office campus is at the Bus Stop called ISI or Statistical (Gate number:203). The Bus Stop further to the Statistical Bus Stop is Dunlop Bridge, which is an important landmark. Dunlop Bridge is also a useful way of describing the general destination when you are asking for directions.

TAXI ROUTES

We suggest that you should hire a taxi from the prepaid taxi booth located outside the station and airport premises.

The prepaid taxi fare is marginally higher than normal (approximately Rs. 220 from the airport, Rs. 180 from Howrah, and Rs. 120 from Sealdah) but it is a surer and safer mode of transport. While hiring a prepaid taxi, mention Dunlop Bridge as your destination.

PLACES OF INTEREST

Every visitor can enjoy an individual experience at one of the many sightseeing places in Kolkata. The city offers a wide variety of interesting attractions to keep visitors delighted. There are numerous attractions to visit in Kolkata, including ancient temples and churches, peaceful lakes, historical structures, museums, and libraries. If you have a day or two to roam around the city, you will be delighted to explore the City of Joy. ISI is conveniently located and connected to all the major attractions of the city. Please visit <https://kolkatatourism.travel/places-to-visit-in-kolkata> for further information. The specialty of Bengali food lies in the perfect blend of sweet and spicy flavors. If you want to taste traditional Bengali dishes you can try the following: the best restaurants in Kolkata, Street foods, Sweets and Desserts

SPONSORSHIP OPPORTUNITIES

Support the future of sustainable pest management! We offer sponsorship opportunities to companies, organizations, and individuals interested in promoting eco-friendly and digital solutions in agriculture. Gain visibility among international attendees and contribute to the advancement of green technologies in crop protection. For more information on sponsorship packages, please contact:

CONVENERS

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Email: aappconference2026@gmail.com

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Dr. Abhishek Mukherjee (Indian Statistical Institute, Kolkata). Email: abhi.mukh@yahoo.com;

Mobile No. +91 8902686646

CONTACT US

For inquiries or additional information, please contact the local organizing committee at:

Dr. Abhishek Mukherjee (Indian Statistical Institute, Kolkata); Email: abhi.mukh@yahoo.com;

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REGISTRATION INFORMATION

Early Bird Registration Deadline: **15 Nov 2025**

Standard Registration Deadline: **15 Jan 2026**

For sponsorship, Advertisement, and stall booking, please contact :

Prof. Matiyar Rahaman Khan

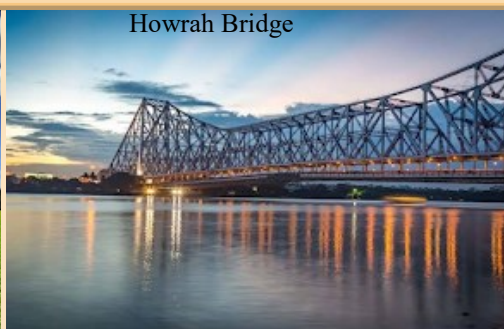
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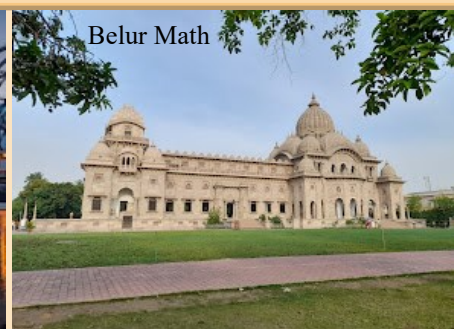
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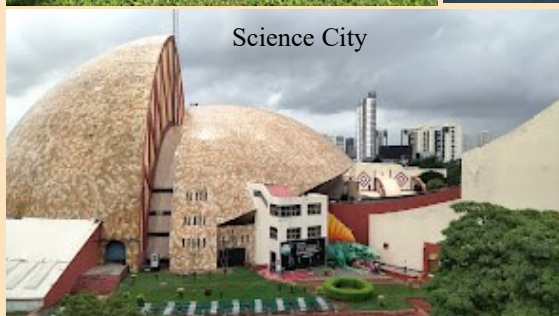
Victoria Memorial



Howrah Bridge



Belur Math



Science City



Indian Museum



Dakhineswar Kali Temple

Places of Interest at Kolkata, India

Registration Form

International Conference

Advances in Digital Solutions and Green Technologies in Crop Pest Management

February 25 to 27, 2026

Name -----

For accompanying person/spouse, No. -----

Name of the person/spouse -----

Designation -----

Organization -----

Postal Address -----

Mobile No. ----- WhatsApp No. -----

E-mail ID: -----

I am interested in participating in the International Conference. I would like to present my research as an oral presentation/poster on

1.-----

2.-----

Registration Category (additional INR 2000/- per head for the accompanying person)

Member ☐ Non-Member ☐ Student ☐ RA/JRF ☐

Duration of stay: days Date : From..... to.....

Arrival and Departure details

Registration Fee

Payment details: Attach the copy proofreading online transfer money made in favour of the **Association for Advancement in Plant Protection**. Payments must be made online to: **Association for Advancement in Plant Protection, State Bank of India No.11151098069, IFSC code: SBIN0001082, Kalyani, Nadia-741235, West Bengal, India**

Date -----

Place -----

Signature

Fill up this form and send the pdf or scanned copy to aappconference2026@gmail.com