



FIRST ANNOUNCEMENT
XVII AGRICULTURAL SCIENCE CONGRESS
& ASC EXPO

FEBRUARY 20-22, 2025
GB PANT UNIVERSITY OF AGRICULTURE & TECHNOLOGY,
PANTNAGAR

FRONTIER SCIENCES AND
TECHNOLOGIES IN AGRICULTURE FOR
A DEVELOPED INDIA



AGRICULTURAL SCIENCE CONGRESS

ORGANISERS

**National Academy of Agricultural
Sciences, New Delhi**



**G B Pant University of Agriculture &
Technology, Pantnagar, Uttarakhand**



**FRONTIER SCIENCES AND
TECHNOLOGIES IN AGRICULTURE
FOR A DEVELOPED INDIA**



GB PANT UNIVERSITY OF AGRICULTURE & TECHNOLOGY, PANTNAGAR

ABOUT XVII AGRICULTURAL SCIENCE CONGRESS - 2025



The XVII Agricultural Science Congress, being organized by the National Academy of Agricultural Sciences (NAAS), will be held from February 20 to 22, 2025 at GB Pant University of Agriculture and Technology (GBPUA&T), Pantnagar, Uttarakhand. The President of NAAS, New Delhi, warmly invites you to attend and actively engage in the Congress deliberations.

The theme of the Congress is "Frontier Sciences and Technologies in Agriculture for a Developed India". As India strives to become a developed nation, the XVII Agriculture Science Congress brings together the brightest minds to discuss the cutting-edge frontier sciences and technologies that will propel Indian agriculture forward. From precision agriculture to gene editing, from digital farming to vertical farming, from biofuels to biotechnology, this congress will explore the latest advancements and innovations that will transform the way we produce, market and consume food. With a focus on sustainability, efficiency and equity, this event will showcase the latest research and development in agriculture, highlighting the potential for breakthroughs that can catapult India to global leadership in agricultural production and contribute to a developed India by 2047.



AGRICULTURAL SCIENCE CONGRESS

FEB. 20-22, 2025

GBPUAT, Pantnagar

XVII AGRICULTURAL SCIENCE CONGRESS & ASC EXPO -2025

India is steadily building a resilient agricultural system that supports its broader development goals. With the rising demand for food, dwindling environmental conditions, and the challenges posed by climate change, it is the call of time to transform our agri-food systems into sustainable enterprises. This transformation aims to ensure just, equitable, and lasting benefits for future generations.



The Congress will bring together leading academicians, researchers, scholars, students, farmers, and entrepreneurs to share their research, ideas and experiences on all aspects of agricultural development. This gathering will facilitate the development of strategies to transform our agriculture to meet the UN-SDG and Viksit Bharat goals to eradicate poverty, protect the planet, and ensure peace and prosperity for all by 2030 and 2047, respectively. They address key issues such as poverty, inequality, climate change, environmental degradation, and justice, serving as blueprints for a sustainable future.

Participants in the Congress will have ample opportunities to express their views and share knowledge on various topics related to agriculture and its sustainability through the chosen topics like Frontier Sciences and Technologies in Climate Change, Innovations & Technologies for Crop Improvement, Livestock Smart Farming, Precision Horticulture Farming, Blue Revolution, Sustainable Soil and Water Management, Digital Agriculture, Farm Mechanization and Agro-food Processing. Through interdisciplinary interactions, the Congress aims to find sustainable solutions for transforming the agriculture.

NAAS has been arranging Agri Science Congress since 1992. Congress is organised every two years since 1992. As we approach the XVII edition of this prestigious event, we cordially invite all stakeholders to join us in Pantnagar, Uttarakhand. This year's conference is particularly significant as it aims to gather experts and professionals to discuss use of frontier sciences and technologies in agriculture for a developed India. Your participation is crucial in shaping the future of agriculture and ensuring a sustainable food system for generations to come. For more information and updates, please visit our website (www.17asc2025.in).

NAAS

The National Academy of Agricultural Sciences (NAAS) is a prestigious institution in India that focuses on advancing agricultural research, education, and policy. Established in 1990, NAAS plays a crucial role in shaping the future of agriculture in the country by promoting excellence in the agricultural sciences and providing a platform for scientists to collaborate and share knowledge. The academy conducts various scientific programs, publishes research, and offers policy recommendations to address critical issues in agriculture. Through its activities, NAAS aims to enhance the productivity, sustainability, and profitability of Indian agriculture, contributing significantly to the nation's food security and rural development.

KEY FEATURES OF CONGRESS

- **Plenary, Special, and Invited Lectures:** Presentations by eminent scientists on various agricultural topics.
- **Technical Sessions:** Thematic discussions on current agricultural issues.
- **Symposia and Panel Discussions:** In-depth discussions on specialized topics.
- **Poster Presentations:** Display of research findings by participants.
- **Farmer-Industry Interactions:** Opportunities for farmers to engage with industry experts and scientists.
- **Student Activities:** Competitions and activities designed for student engagement.
- **Agri Expo:** An exhibition showcasing innovative agricultural technologies and products.
- **NAAS Business Meeting:** A formal gathering of the National Academy of Agricultural Sciences members.
- **Cultural Programs:** Evening events showcasing cultural performances.

FRONTIER SCIENCES AND TECHNOLOGIES IN AGRICULTURE FOR A DEVELOPED INDIA

SUB THEMES

- Theme 1 : Next Frontiers for Climate Change Science
- Theme 2 : Frontier Innovations & Technologies for Crop Improvement
- Theme 3 : Smart Livestock Framing
- Theme 4 : Precision Horticulture Farming
- Theme 5 : Blue Revolution: Harnessing Science and Technology
- Theme 6 : Next Generation Management Options for Emerging Pests and Diseases
- Theme 7 : Frontier Sciences and Technologies for Sustainable Soil and Water Management
- Theme 8 : Digital Agriculture
- Theme 9 : Advances in Farm Mechanization and Agro-food Processing
- Theme 10 : Innovations in Policies and Institutions

Each session will feature one lead speaker, three invited speakers and young scientist(s)/research scholar(s) speaker selected from the submitted abstracts. Approximately 160 speakers are anticipated to deliver lectures across various thematic areas. All potential participants are invited to submit extended summaries under any of the sub themes.

POSTER PRESENTATION

The extended summaries for the poster presentations will be reviewed prior to acceptance. Each poster session will feature a Convener who will present an overview of the symposium for that session, contributing to the development of meaningful recommendations. Selected abstracts across all thematic areas will be included in the Book of Abstracts, and the corresponding delegates will present their posters.



PANEL DISCUSSIONS

1. Next Generation Technologies for Renewable Energy
2. Mainstreaming Young Professionals for Frontier Sciences
3. International Partnership for Frontier Agricultural Research
4. Clean Plant Program for Vibrant Horticulture

SYMPOSIA

1. Agriculture at Altitude: Innovating for Hill and Mountain Regions
2. Quality Education for Promoting Next Generation Science
3. Bee Vital: Understanding the Agricultural Significance of Honey Bees
4. New Frontiers in Science-Technology-Innovation-Farmers Connect
5. Innovations in Overcoming Poverty & Malnutrition

INTER-UNIVERSITY STUDENT ELOCUTION CONTEST

A student elocution contest on a topic of contemporary relevance will be organized. Participants from state Agriculture Universities/ Deemed to be Agriculture Universities/ Central Agriculture Universities can apply for the contest.

ASC AGRI EXPO 2025

ASC Agri Expo 2025 will be a significant event at the Congress, with over 2000 delegates, large number of farmers, and local attendees expected to visit the exhibition. It will provide a platform for public and private sector agricultural research institutes, universities, agro-industries, extension agencies, and NGOs to showcase their innovative technologies and success stories. Details regarding registration, sponsorship, tariffs, stall types, and applications for participating in the exhibition can be found on the Congress website (www.17asc2025.in).

CULTURAL PROGRAMMES

Cultural evening has been planned on the day of inauguration to display the best of the arts both the performing arts and fine arts of the country.

IMPORTANT DATES

START OF REGISTRATIONS

August 15, 2024

START OF RECEIPT OF ABSTRACT

August 20, 2024

LAST DATE OF SUBMISSION OF ABSTRACT

December 31, 2024

CONVEYING ACCEPTANCE OF ABSTRACTS

January 20, 2025

REGULAR REGISTRATION CLOSING DATE

January 20, 2025

REGISTRATION DETAILS

Online registration (www.17asc2025.in) and spot registration are available at a premium fee.

Registration Guidelines

Participants are requested to create an account in XVII ASC Website and login with credentials provided to complete registration by making the payment online. On creation of the account in XVII ASC website, you will be provided with a User ID and Password, which you can use for online registration and abstract submission. Registration fee for different categories is as follows:

Registration Fee

S.No.	Category	Registration Fee
1.	International Participant	US \$ 250
2.	International Student & Research Scholar	US \$ 150
3.	International Accompanying Person	US \$ 150
4.	National Participant	₹ 10000
5.	National Accompanying Person	₹ 5000
6.	National Student & Research Scholar	₹ 4000
7.	Farmer	₹ 3000
9.	Corporate	₹ 20000
8.	Registration after January 20, 2025	₹ 2000 extra

Payment of Registration Fee

Payment of registration fee is a pre-requisite for attending the conference. The XVII ASC prefers online payment using accredited credit/ debit cards/UPI/Net Banking. Alternatively you may also make payment through Demand Draft (DD) drawn in favour of the XVII ASC – GBPUAT, Pantnagar payable at Pantnagar. It is essential to mention the DD number in the Registration Form. DD with copy of registration acknowledgement should be sent to Dr. A. S. Nain, Organizing Secretary and Director, Research, GBPUA&T, Pantnagar.

Bank Details

Account Name : 17 AGRICULTURE SCIENCE CONGRESS		
Bank : State Bank of India	Branch : Pantnagar	
Account Number : 43176897566	IFSC : SBIN0001133	MICR : 263002901

Exhibition Stall Fee

S.No.	Category	Fee
1.	Normal	Rs. 2.5 Lakh
2.	Semi-Premium	Rs. 3.0 Lakh
3.	Premium	Rs. 4.0 Lakh

Sponsorship Fee

S.No.	Category	Fee
1.	Platinum	Rs. 20 Lakh
2.	Diamond	Rs. 15 Lakh
3.	Gold	Rs. 10 Lakh
4.	Silver	Rs. 5 Lakh
5.	Bronze	Rs. 3 Lakh

G B Pant University of Agriculture and Technology Pantnagar, U. S. Nagar, Uttarakhand



G B Pant University of Agriculture and Technology, Pantnagar, is a prominent agricultural university located in Pantnagar, Uttarakhand, India. Established in 1960, it was the first agricultural university in India and has played a crucial role in the Green Revolution and agricultural education in the country. Named after Govind Ballabh Pant, a freedom fighter and the first Chief Minister of Uttar Pradesh, the university has been a pioneer in agricultural research, education, and extension. GBPUA&T was established in collaboration with the University of Illinois, USA, marking a significant Indo-American partnership in the field of agriculture. The University offers undergraduate, postgraduate, and doctoral programs in various fields such as Agriculture, Horticulture, Veterinary Sciences, Fisheries, Forestry, Home Science, Basic Sciences, Engineering, and Agribusiness Management. The university has made significant contributions to agricultural research, particularly in developing high-yielding varieties of crops more than 350. GBPUA&T has collaborations with various national and international institutions for research and academic exchange programs. The University has received numerous prestigious awards at both national and international levels, including the Sardar Patel ICAR Outstanding Institution Award. It has secured the top position among agricultural universities. Additionally, the University has been recognized as the top agriculture university in the country with reference to QS World University Rankings.

UTTARAKHAND

Uttarakhand is located at the foothills of the Himalayan mountain ranges, it is largely a hilly State, having international boundaries with China (Tibet) in the north and Nepal in the east. On its north-west lies Himachal Pradesh, while on the south is Uttar Pradesh. It is rich in natural resources especially water and forests with many glaciers, rivers, dense forests and snow-clad mountain peaks. Char-dhams, the four most sacred and revered Hindu temples of Badrinath, Kedarnath, Gangotri and Yamunotri are nestled in the mighty mountains. It's truly God's Land (Dev Bhoomi). Dehradun is the Capital of Uttarakhand. It is one of the most beautiful resort in the submountain tracts of India, known for its scenic surroundings. The town lies in the Dun Valley, on the watershed of the Ganga and Yamuna rivers.



It is blessed with a rare bio-diversity, inter-alia, 175 rare species of aromatic & medicinal plants are found in the State. It has almost all major climatic zones, making it amenable to a variety of commercial opportunities in horticulture, floriculture and agriculture. It has a vast tourism potential in adventure, leisure, and eco-tourism.



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Congress Chair

Dr. Himanshu Pathak
Secretary DARE & DG, ICAR
President
National Academy of Agricultural Sciences (NAAS)

Congress Secretariat

Prof. (Dr.) M.S. Chauhan
Convener & Vice Chancellor

Dr A. S. Nain
Organizing Secretary & Director Research

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