



AMITY INSTITUTE OF
HORTICULTURE STUDIES
& RESEARCH



AMITY FOOD &
AGRICULTURE
FOUNDATION



AMITY INSTITUTE
OF ORGANIC
AGRICULTURE

3rd INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN HORTICULTURE RESEARCH (ICRAHOR-2026)

HYBRID MODE

8TH-9TH APRIL 2026 • AMITY UNIVERSITY NOIDA (NEW DELHI NCR), INDIA

<https://amity.edu/afaf/ICRAHOR-2026/>



OVERVIEW

The horticulture sector contributes approximately 33% to India's agricultural Gross Value Added (GVA).. The share of horticultural food has increased to more than 50% in the food basket of consumers. India is currently producing about 320.48 million tons of horticulture produce which has surpassed the food grain production, that too from much less area. This significant contribution demonstrates the sector's vital role in the Indian economy as it also drives rural employment, diversifies farming activities, and enhances farmers' income, contributing to overall economic growth. Therefore, this sector needs more attention from policymakers, research institutions, and the corporate sectors to help increase nutritional and food security. Currently, to update the learners/ students with the industry trends and fast-track innovations in horticulture sector, Amity Institute of Horticulture Studies and Research (AIHSR) in collaboration with Amity Food and Agriculture Foundation (AFAF) and Amity Institute of Organic Agriculture (AIOA) is all set to announce the 3rd International Conference on Recent Advances in Horticulture Research (ICRAHoR-2026), that is scheduled to be held on 8th-9th April, 2026, at Amity University Uttar Pradesh, Noida. The conference will be hosted in a hybrid mode.

ABOUT AMITY INSTITUTE OF HORTICULTURE STUDIES AND RESEARCH

With an unparalleled vision and dynamic leadership of our Founder President, Dr. Ashok K. Chauhan, the Amity Institute of Horticulture Studies and Research (AIHSR), was established in the year 2010. Horticulture is considered the engine of growth as it provides nutrition to the masses.

Horticulture in India contributes about 30 % of Agricultural GDP and its growth is double-digit. The share of horticultural food has increased to more than 50% in the food basket of consumers. Therefore, this sector needs more attention from policymakers, research institutions, and the corporate sectors. Currently, to update its students with the industry trends, Amity Institute of Horticulture Studies and Research (AIHSR), Noida offers various graduate courses as well as Post Graduate courses, in this segment.



ABOUT THE CONFERENCE

Next-Generation Horticulture represents a move towards more technologically driven and sustainable farming practices with a holistic approach. Next-Gen horticulture focuses on using technology, promoting sustainability, and fostering innovation to transform traditional farming practices. This involves integrating advanced technologies like precision agriculture, automation to enhance efficiency, productivity, and resource utilization while minimizing environmental impact. The key aspects of Next-Gen Horticulture are Precision agriculture, Smart farming, Micro-irrigation, Crop improvement, Biotechnological innovations involving omics technologies (Metabolomics, Proteomics, Transcriptomics, etc.), Nanotechnology, Vertical farming, Hydroponics, Aeroponics, Digitalization (Robotics, Sensors, Drones and Big Data, IoT, Data analytics, AI and Machine learning), Protected cultivation and Urban farming, Sustainable practices, Climate change resilience, Advances in post-harvest technology and value addition, Decarbonization, circular economy, closed-loop system, waste valorisation into packaging, bioenergy, and compost. In addition, Value-chain development, market access, ICT-based business models, youth engagement through entrepreneurship contest and startup ideas sums up the main agenda of the conference theme. On that account, advancements in horticulture sector emphasizes the use of technology to optimize existing horticultural practices where, Next-Generation horticulture integrates technological advancements with a holistic approach to sustainability and innovations. Through this conference, our focus is more towards holistic approach to horticulture, integrating future-oriented practices to obtain nutritional and food security.



The ICRAHOR-2026 "Next-Gen Horticulture Conference" signifies a focus on the future of the horticulture farming and industry, particularly in attracting and developing young talent, adopting new technologies, and addressing the evolving needs of the sector. It'll serve as a platform for knowledge exchange, networking, and showcasing innovation in areas like crop improvement, precision farming, protected cultivation, and post-harvest management. This conference will foster future leaders by equipping them with the knowledge and skills they require for their career, acquainting them with cutting-edge technologies, addressing industry challenges, promoting collaboration and knowledge sharing. The conference seeks to establish future R&D goals, projects and outreach programs to improve the role of horticulture in achieving global sustainability. In essence, the Gen-Next Horticulture conference is a crucial event for shaping the future of learners by nurturing talent, promoting innovations, and addressing the challenges and opportunities that lie ahead.

It could be used to optimize light, soil conditions, plant spacing, or other variables that could further speed up the production cycle or help us produce more nutrient-rich food. Such data may shape algorithms and drive further optimization. For suppliers and customers, a reliable and optimized system can ensure planning security.

Climate-smart horticulture, in conjunction with the most up-to-date crop improvement technologies utilizing genome-editing technology, is highly-anticipated and seems to be promising. Nano-emulsions and nano-materials for coating and packaging, Horti-waste valorization techniques, vertical farming, robotic harvesting, 3-D printing, in vitro seed production for vegetatively propagated fruit crops, and other innovations could transform the horticulture sector as a whole.

Thus, this conference shall provide the platform to discuss trends and innovations in the field of Horticulture.

STRUCTURE OF THE CONFERENCE

The event will bring together Scientists, Researchers, Entrepreneurs, Academicians, Nutritionists, Engineers, Horticulturists, Floriculturists, Breeders, Industrialists, Quality Analysts and Technologists from all over the world to discuss the latest technological interventions, sustainable solutions for improving horticultural production, processing, nutritional security, quality and supply chain resilience.

THE CONFERENCE WILL FOCUS ON THE RECENT CHALLENGES AND UPDATES ON THE FOLLOWING THEMES

- **Breeding and biotechnological innovation in horticulture**
- **Digital horticulture and smart farming**
- **Post-harvest management, value-addition and zero-waste horticulture**
- **Climate resilient horticulture, Urban & backyard farming**
- **Horti-Entrepreneurship and Start-up Success Stories (Invited Talks)**
- **Young Horti-Entrepreneur Pitch (Competition)**



CALL FOR ABSTRACT SUBMISSION

Researchers, scientists, policymakers, academicians and students are invited to submit an abstract on any conference themes or related a icrahor@amity.edu by 1st April, 2026.

A committee will review the abstract (POSTER/ ORAL PRESENTATIONS) and the selected abstracts will be published in the conference proceedings having ISBN No.

Selected Papers will be published in SCOPUS-indexed proceedings.

OBJECTIVES

The conference aims to provide a platform for ambitious new actions, innovative solutions and plans to transform the horticulture industry. It is envisioned that the conference will have objectives including:

- To equip the researchers and students with the latest technological trends in the horticulture sector, nurturing talent and fostering future leaders.
- To develop a framework to strengthen food and nutritional security via horticultural products.
- To develop a deep insight into the molecular approaches, nanotechnology, digitalization and hi-tech horticulture
- To acquaint the researchers and students with the latest concepts like vertical farming, robotics, and Big data, for the future.
- To explore breeding strategies to develop climate-resilient crops
- To demonstrate the use of digital platforms and tools for farm management, market linkages, and access to information
- To highlight innovations in storage, packaging, processing, and value-added products to minimize losses and maximize returns
- To foster collaboration, facilitate knowledge exchange, and drive the transformation of the horticulture sector towards increased productivity, resilience, and profitability.
- To motivate research, industry and academia to carry one challenging and innovative research and start-up programs in the horticulture sector.



ABSTRACT SUBMISSION GUIDELINES

Submit your Abstract using the given link <https://amity.edu/afaf/ICRAHOR-2026/>

Please read the submission rules before submitting an abstract

- The presenting author is required to ensure that all co-authors are aware of the content of the abstract before submission.
- The presenting author must be listed as the first author.
- Submitted abstracts should include non-published data.
- Abstracts previously presented will not be accepted.
- Please submit symbols as words.
- You may submit more than 1 abstract. However, presenters that are accepted for oral presentation will be permitted to give only 1 oral presentation. Additionally accepted abstracts will therefore be poster only.
- Please note the submitting author will receive all correspondence about the abstract so we advise that the submitting author's details that are entered are the same details as those of the presenting author.
- Your abstract is not successfully submitted until you receive a confirmation e-mail after clicking the final submit button. If you do not receive a confirmation e-mail, please contact us.
- Abstract layout - Abstracts must be submitted with the following sections
 - Abstract Topic – abstracts must be allocated to a specific Theme.
 - Affiliation details: department, institution / hospital, city, state (if relevant), country
 - Abstract title - limited to 20 words in UPPER CASE
 - Abstract title is followed by Author names and their affiliations (Institute name / University name / Place / State) and a corresponding author email address.
 - Author name: Last name Initials1, Last name Initials2, and Last name Initials3.
 - Abstract text – limited to 250 words; Times New Roman; 12 font size.
 - Keywords: 5 -6
- Abstract must not contain any data, figure or table.
- Presenting author's contact details (should be the same details as the submitting author so that the presenting author receives the correspondence about the abstract:
 - Email address
 - Full postal address
 - Contact number
 - Full first and family name(s)

FULL-LENGTH PAPER GUIDELINES

- **Aim and Scope:** The articles related to the themes proposed in ICRAHOR-2026 will only be considered. Both research and review articles are welcome. The article must fall into the aim and scope of ICRAHOR-2026.
- Articles selected from the conference may be considered for publication in partner Scopus-indexed journals after peer review.
- Articles should be suitably divided into the following sub-sections: **Title, Affiliation, Abstract, Keywords, Introduction, Materials and Methods, Results and Discussion, Conclusion, and References.** Tables and figures should be appended at the end of the text.
- The article must be in Times New Roman, 12 font size, and double spaced.
- The maximum word limit for a research article is 3000 words and for a review, the article is 5000 words excluding references, abstract, and tables.
- The sections and subsections must be numbered i.e. 1, 1.1, 1.1.1, 2, 2.1, 2.1.1..... etc.
- If the article is found suitable as per the journal standards, the author will have to modify it according to the Scopus indexed journal's guidelines. Later on, the peer review process will be carried out by the journal for quality assurance.



PEER REVIEW PROCESS

- All submitted manuscripts undergo peer review to ensure scientific quality and relevance.
- An initial screening is conducted by the Conference Editorial/Scientific Committee for scope, formatting, and originality (plagiarism check).
- The conference follows a single/double-blind peer review process.
- Each paper is reviewed by expert reviewer(s) in the relevant field.
- Reviewers evaluate originality, methodology, clarity, technical quality, and relevance to the conference theme.
- Based on reviewer comments, papers may be accepted, accepted with revisions, or rejected.
- Only papers that successfully complete the review and revision process are included in the final proceedings.

ETHICAL POLICY

Authors must adhere to the publishing ethics and policies. Kindly go through the link attached of the detailed guideline. https://www.edpsciences.org/fr/politique-de-publication-et-ethique#anchor_Publishing-Ethics

PROGRAM SCHEDULE

DAY 1

(Date: 8th April 2026)

Time: 9:30 AM - 5:00 PM

Registration: 9:30 AM - 11:00 AM

Time: 10:30 AM - 12:00 AM

**Young Horti Entrepreneur
Pitch Competition**

INAUGURAL SESSION

Time: 12:00 Noon - 1:00 PM

LUNCH BREAK: 1:00 PM - 2:00 PM

**Session 1: Breeding and
biotechnological innovation in
horticulture**

Time: 2:00 PM - 3:30 PM

**Session 2: Digital horticulture
and smart farming**

Time: 3:30 - 5:00 PM

DAY 2

(Date: 9th April 2026)

Time: 10:00 AM - 5:00 PM

**Session 3: Post-harvest management,
value-addition and zero-waste horticulture**

Time: 10:00 AM - 11:30 AM

**Session 4: Climate resilient horticulture,
Urban & backyard farming**

Time: 11:30 AM - 1:00 PM

LUNCH BREAK: 1:00 PM - 2:00 PM

**Session 5: Horti-entrepreneurship and
start-up success stories (Invited Talks)**

Time: 2:00 PM - 3:30 PM

HIGH TEA: 3:30 PM - 4:00 PM

Award distribution & valedictory session

Time: 4:00 PM - 5:00 PM





PATRON-IN-CHIEF

Dr. Ashok K. Chauhan

Founder President, Ritnand Balved Education Foundation
(The Foundation of Amity Institutions and the sponsoring
body of Amity Universities)
Chairman, AKC Group of Companies



PATRON

Dr. Atul Chauhan

Chancellor, Amity University President,
Ritnand Balved Education Foundation
CEO, AKC Group of Companies



CO-PATRON

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Vice Chancellor,
Amity University Uttar Pradesh



CO-PATRON

Dr. W. Selvamurthy

President, Amity Science, Technology and Innovation Foundation (ASTIF)
Director General, Amity Directorate of Science and Innovation (ADSI)
Chancellor, Amity University, Chhattisgarh



CONVENOR

Prof. (Dr.) Nutan Kaushik

DG, Amity Food and Agriculture
Foundation, Amity University



CO-ORDINATOR

Dr. Anamika Verma

Assistant Professor, AIHSR, AUUP

SCIENTIFIC COMMITTEE MEMBERS

- **Azucena Gonzalez Coloma**, Instituto de Ciencias Agrarias (CSIC), Madrid, Spain
- **Dr. María Fe Andrés**, Instituto de Ciencias Agrarias (CSIC) Madrid, Spain
- **Dr. Naceur Djebali**, Centre of Biotechnology of Borj Cedria (CBBC), Tunisia
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- **Dr. Shalini Gaur Rudra**, Indian Agricultural Research Institute, New Delhi, India
- **Dr. Ram Asrey**, Indian Agricultural Research Institute, New Delhi, India

SESSION CO-ORDINATORS

- **Dr. Abhishek Sharma**, Assistant Professor, AFAF
- **Dr. Anamika Verma**, Assistant Professor, AIHSR
- **Dr. Arpita Bhattacharya**, Professor, AFAF
- **Dr. C.A. Devi**, Assistant Professor, AIHSR
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- **Dr. Priyank Sharma**, Assistant Professor, AIHSR
- **Dr. Sachin**, Assistant Professor, AIHSR
- **Mr. Tushar**, Assistant Professor cum Research Scientist, AFAF

RAPPORTEURS

- **Dr. Ajay Tomar**, Assistant Professor, AIOA
- **Dr. Chaitra**, Assistant Professor, AIOA
- **Dr. Chitranjan**, Associate Professor, AIOA
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- **Dr. Kshitij Parmar**, Assistant Professor, AIOA
- **Dr. Tarun Sharma**, Assistant Professor, AIOA

REGISTRATION FEE

NO. CATEGORY	REGISTRATION FEE
Indian Industry Professionals	Rs. 5,000
Indian Academicians / Scientists / Others	Rs. 2,500
Amity Students (Participation Only)	Rs. 500
Non-Amity Students (Participation Only)	Rs. 1,000
International Research Scholars & Students	USD 50
International Academicians / Scientists	USD 100
International Industry Professionals	USD 200
Paper Presentation with Scopus-Indexed Proceedings*	Rs. 8,000 / USD 200

Registration Url: <https://amity.edu/afaf/ICRAHOR-2026/>

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IMPORTANT DATES

- | | | |
|---|---|------------------|
| • Abstract Submission | : | 25th March, 2026 |
| • Abstract Acceptance Last Date | : | 1st April, 2026 |
| • Registration Last Date | : | 7th April, 2026 |
| • Full-length Paper Submission Last Date | : | 15th May, 2026 |

OVERVIEW

Amity University, a leading research & innovation driven university, has been ranked among the top 3% universities by QS and Times Higher Education, UK (the world's leading university rankings organisations).

The university is also Asia's only not-for-profit university to be awarded US Regional Accreditation by WASC, USA and QAA, UK - setting a new standard of academic excellence in India. Amity has been ranked among the top universities globally for producing the most employable graduates in a survey conducted among 9,000 employers worldwide by Times Higher Education, UK. Amity University is the flagship institution of Amity Education Group, established over 2 decades ago. Today, Amity has over 175,000 brilliant students across Pre-nursery to Ph.D. levels, pursuing more than 400 Programs in 90 diverse disciplines, ranging from Management to Psychology, besides future focused areas like Renewable Energy, Nuclear Science and Nanotechnology.

The Group is driven by its vision of building a Global Knowledge Network, providing globally benchmarked education. Today, the Group comprises 11 Universities, 28 schools and 16 international campuses across London, Singapore, Dubai, New York, San Francisco, Amsterdam, Mauritius, Abu Dhabi, Sharjah, Tashkent, South Africa, besides India.

Amity's relentless pursuit of excellence is reflected in its steadfast commitment and contribution towards cutting-edge research and innovation. For instance, Amity in the last four years has filed over 1,700 patents. It is also engaged in conducting over 400 hi-end Government-funded as well as international research projects including those funded by Bill & Melinda Gates Foundation, USAID, and Leverhulme Trust, UK.

With an aim to provide an impetus to research & innovation in the field of food and agriculture, Amity Food and Agriculture Foundation (AFAF) was founded by Dr. Ashok K. Chauhan, Founder President, Amity Education Group envisages to establish itself as one of the premier educational institutions in the promotion of agricultural sciences and related technologies. Agriculture is one of the largest sectors in India with more than half of the population engaged in the agriculture-related occupation. Amity envisions supporting Indian farmers especially the marginal and smallholders through research, training and academic endeavors at various stages of production beginning from selection of seeds, fertilizers/biofertilizers, irrigation, preparation of farmland, integrated pest management, integrated nutrient management, harvesting, post-harvest management, use of simple machinery to remove drudgery, transportation, processing and allied areas.



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