



AMITY INSTITUTE OF  
HORTICULTURE STUDIES  
& RESEARCH



AMITY FOOD &  
AGRICULTURE  
FOUNDATION



AMITY INSTITUTE  
OF ORGANIC  
AGRICULTURE

# 3<sup>rd</sup> INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN HORTICULTURE RESEARCH (ICRAHOR-2026)

HYBRID MODE

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

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

NEXT-GENERATION HORTICULTURE: TECHNOLOGY, SUSTAINABILITY, AND  
INNOVATION DRIVEN FUTURE OF FARMING



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## BRIEF PROGRAM

<b>DAY 1: Date: 8th April 2026 Time: 11:00 AM- 5:00PM</b>
<b>Registration: Time: 9:30AM- 11:00 AM</b>
Time: 10:30-12:00 AM
<b>Young Horti Entrepreneur Pitch Competition</b>
Time: 11:00-12:00 AM
<b>HIGH TEA AND POSTER DISPLAY</b>
<b>Inaugural Session: Time: 12:00 PM to 1:00 PM</b>
Time: 1:00 PM-2:00PM
<b>LUNCH BREAK AND POSTER PRESENTATION SESSION 1 AND 2</b>
Time: 2:00 PM to 3:30 PM
<b>Session 1: Breeding and Biotechnological Innovation in Horticulture</b>
Time: 3:30 PM to 4:00 PM
<b>TEA BREAK AND POSTER PRESENTATION SESSION 1 AND 2</b>
Time: 4:00- 5:30 PM
<b>Session 2: Digital Horticulture and smart farming</b>
<b>DAY 2: Date: 9th April' 2026 Time: 10:00 AM- 5:00 PM</b>
Time: 10:00 AM to 11:30AM
<b>Session 3: Post-Harvest Management, Value-Addition and Zero-Waste Horticulture</b>
Time: 11:30 PM to 12:00 PM
<b>TEA BREAK AND POSTER PRESENTATION SESSION 3, SESSION 4 AND 5</b>
Time: 12:00 PM- 1:30 PM
<b>Session 4: Climate Resilient Horticulture, Urban &amp; Backyard Farming</b>
Timing: 1:30-2:30 PM
<b>LUNCH BREAK AND POSTER PRESENTATION SESSION 3, SESSION 4 AND 5</b>
Time: 2:30-3:35 PM
<b>Session 5: Horti-Entrepreneurship and Start-Ups Success Story</b>
Time: 3:35 PM- 4:35 PM
<b>Award Distribution &amp; Valedictory Session</b>
<b>HIGH TEA 4.35-5.00 PM</b>

## DETAILED PROGRAMME SCHEDULE

VENUE: F-3 SEMINAR HALL

AMITY UNIVERSITY UTTAR PRADESH, NOIDA

Day 1: 8 <sup>th</sup> April 2026	
9:30 AM -11:00 AM	Registration
10:30-12:00 AM	Young Horti Entrepreneur Pitch Competition Session Coordinators: Dr. Abhishek Sharma and Dr. Priyank Sharma
11:00AM-12 AM	High Tea and Poster Display
12:00 Noon - 1:00 PM Inaugural Session	
MC: Dr. Gouthami Shivaswamy, Assistant Professor, AIHSR	
12:00-12:05 PM	Felicitation of Chief Guest and Other Dignitaries on Dais
12:05-12:10 PM	Lightening of Lamp and Saraswati Vandana
12:10-12:15 PM	Welcome Address by <b>Dr. Nutan Kaushik</b> , DG-AFAF
12:15-12:20 PM	Introductory Remarks by <b>Dr. W. Selvamurthy</b> , President-ASTIF & Chancellor Amity University Chhattisgarh
12:20-12:25 PM	Address by <b>Prof. (Dr.) Balvinder Shukla</b> , Vice Chancellor, AUUP
12:25-12:30 PM	Address by <b>Dr. Atul Chauhan</b> , Chancellor, AUUP and President, RBEF
12:30-12:35 PM	Release of ICRAHOR'26 Abstract Proceedings
12:35-12:45 PM	Address by Guest of Honor, <b>Dr. Sanjay Kumar Singh</b> , Deputy Director General (Horticulture), ICAR, Delhi
12:45-12:55 PM	Address by Chief Guest, <b>Dr. Prabhat Kumar</b> , Horticulture Commissioner, Govt. of India
12.55-1:00 PM	Vote of Thanks by <b>Dr. Doyeli Sanyal</b> , Director, AIOA
1:00 -2:00 PM LUNCH AND POSTER PRESENTATION OF SESSION 1 & SESSION 2 Judges: <b>Dr. Shalini Rudra</b> and <b>Dr. Indivar Prasad</b>	

2:00-3:30 PM <b>Session 1: Breeding and Biotechnological Innovations In Horticulture</b>	
<b>Session Coordinators: Dr. Anamika Verma &amp; Dr. Pragya Barua</b> <b>Rapporteurs: Dr. Deepshikha Thakur &amp; Dr. Kshitij Parmar</b>	
<b>Session Chair: Dr. Shailendra Kumar Dube</b> , Professor, Indian Institute of Packaging, New Delhi	
2:00-2:05 PM	Welcome Note by <b>Dr. Anamika Verma</b> , Assistant Professor, AIHSR
2:05-2:10 PM	Remarks by <b>Chair</b> and Introduction of The Keynote Speakers.
2:10-2:25 PM	Keynote Address by <b>Dr. Umesh Reddy</b> , Professor, Department of Biology, West Virginia State University, Institute, USA. (Online)  <b>Title of the talk:</b> From Genome to Function: Multi-Omics Dissection of Capsaicin Biology and Its Agricultural, Neurological, and Biomedical Implications
2:25- 2:40 PM	Keynote Address by <b>Dr. Naceur Djebali</b> , Professor, Centre De Biotechnologie Technopole, Borj Cedria, Tunisia. (Online) <b>Title of the talk:</b> Phenotypic and genomic characterization of plant growth-promoting <i>Fusarium brachygibbosum</i> TZ1MST22
2:40-2:50 PM	Invited Talk by <b>Dr. Jagesh Kumar Tiwari</b> , Principal Scientist (Horticulture-Vegetable Science), ICAR–Indian Institute of Vegetable Research, Varanasi. (Online) <b>Title of the talk:</b> Breeding and Biotechnological Innovation in Solanaceous Vegetables
2:50-3:00 PM	Invited Talk by <b>Dr. Indivar Prasad</b> , Senior Scientist, ICAR–Indian Institute of Vegetable Research, Varanasi. (Offline) <b>Title of the talk:</b> Genome Editing in Chilli for Developing Resistance Against Viral Disease
3:00- 3:15 PM	Rapid Fire- <b>Oral Presentations: Judge- Dr. Shailendra Kumar Dube</b>  <b>1. Khadija Mika Dawud</b> , Department of Agricultural Sciences, Sharda University, India (Online) <b>2. Loganayaki. Somasundaram</b> , KG College of Allied Health Sciences, KG Hospital and Post Graduate Medical Institute, Coimbatore (Online) <b>3. Vatsal Singh Rana</b> , Amity Institute of Biotechnology, Amity University, Uttar Pradesh, Noida
3:15-3:20 PM	Vote of Thanks by <b>Dr. Pragya Barua</b> , BioCARE Fellow, AFAF
3.20-4:00 PM	<b>TEA BREAK AND POSTER PRESENTATION OF SESSION 1 &amp; SESSION 2 CONTD.</b>

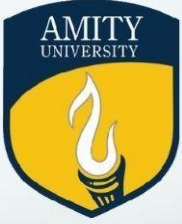
<b>4:00-5:30 PM                      Session 2: Digital Horticulture and Smart Farming</b>	
<b>Session Coordinators: Dr. Sachin &amp; Dr. Arpita Bhattacharya</b> <b>Rapporteurs: Dr. Chitranjan &amp; Dr. Payal Chakraborty</b>	
<b>Session Chair: Dr. Umesh Thapa</b> , Professor, Department of Vegetable Crops, BCKV, WB, India (Offline)	
4:00-4:05 PM	Welcome Note by Session Coordinator <b>Dr. Arpita Bhattacharya</b> , Professor, AFAF
4:05-4.10 PM	Remarks by Chair and Introduction of The Keynote Speakers.
4.10- 4:25 PM	Keynote Address by <b>Dr. Kirsten Leiss</b> , Senior Researcher, Plant Health, Wageningen University and Research, Netherlands (Online)  <b>Title of the talk:</b> The Role of Plant Resilience in Sustainable Horticulture
4:25- 4:40 PM	Keynote Address by <b>Dr. Gautham Das</b> , Senior Lecturer in Agri-Robotics, at The University of Lincoln, England (Online)  <b>Title of the talk:</b> Robotics and AI for Improving Resource Efficiency in Agriculture
4:40-4:50 PM	Invited Talk by <b>Dr. Mokhtar Elbekkay</b> , Senior Researcher – Plant Genetic Resources & Arid Agriculture, Institute of Arid Regions (IRA), Medenine, Tunisia (Online)  <b>Title of the talk:</b> Sustainable Greenhouse Vegetable Production Using Geothermal Heating and Irrigation Technologies in Southern Tunisia
4:50-5:00 PM	Invited Talk by <b>Dr. Pierluigi Caboni</b> , Professor (Full) at University of Cagliari, Italy (Online)  <b>Title of the talk: Development of A Micro-Nir Model For In-Field Determination Of Cannabidiol In Fresh <i>Cannabis sativa</i> Inflorescences.</b>
5:00- 5:25 PM	<b>Rapid Fire-Oral Presentations: Judge- Dr. Umesh Thapa</b>
	<ol style="list-style-type: none"> <li><b>1. Shilpa S</b>, Division of Agricultural Engineering, ICAR–Indian Agricultural Research Institute, Pusa, New Delhi, India (Offline)</li> <li><b>2. Bharath G</b>, Division of Agricultural Engineering, Indian Agricultural Research Institute, India (Offline)</li> <li><b>3. Vinod Kumar S</b>, Centre for Protected Cultivation Technology, ICAR–Indian Agricultural Research Institute, Pusa, New Delhi, India (Offline)</li> <li><b>4. Bakhit Mambetnazarov</b>, University of Innovation Technologies, Nukus, Uzbekistan (Online)</li> <li><b>5. Arnav Kumar</b>, Amity Institute of Organic Agriculture, Amity University, Uttar Pradesh, Noida (Online)</li> <li><b>6. Oktizalia Pratiwi</b>, Department of Agriculture, Environmental, And Food Sciences, University of Molise, Campobasso, Italy (Online)</li> </ol>

5:25-5:30 PM	<p><b>7. Chandra Kant Sharma</b>, School of Agriculture, Mohan Babu University, Tirupati, Andhra Pradesh (Online)</p> <p><b>8. Dr. Komal Malik</b>, Associate Professor, Department of Economics Maharshi Dayanand University, Rohtak on “Adoption of Organic Horticulture Practices in Haryana: Opportunities and Constraints”</p>
	Vote of Thanks by <b>Dr. Sachin</b> Assistant Professor, AIHSR
<b>Day 2: 9<sup>th</sup> April 2026</b>	
<b>10:00-11:30 AM                      Session 3: Post-Harvest Management, Value-Addition and Zero-Waste Horticulture</b>	
<b>Session Coordinators: Dr. Gouthami Shivaswamy &amp; Dr. Nishant Kumar</b>	
<b>Rapporteurs: Dr. Karthikeyan &amp; Dr. Garima Thakur</b>	
<b>Session Chair: Dr. Jamilur R. Ansari, Scientist, Yonsei University, South Korea (Offline)</b>	
10:00-10:05 AM	<b>Welcome Note</b> by Session Coordinator <b>Dr. Gouthami Shivaswamy</b> , Assistant Professor, AIHSR
10:05-10:10 AM	Remarks by Session Chair and Introduction of The Keynote Speakers
10:10- 10:25 AM	<p><b>Keynote Address 1</b> by <b>Dr. Ram Asrey</b>, Principal Scientist &amp; Professor, ICRI –IARI, New Delhi (Offline)</p> <p><b>Title of the talk:</b> Harnessing the Potential of UV-C for Quality Retention and Shelf-life Extension of Mango and Guava Fruits</p>
10:25- 10:40 AM	<p><b>Keynote Address 2</b> by <b>Dr. Randolph M. Beaudry</b>, Professor, Michigan State University (Online)</p> <p><b>Title of the talk:</b> Storage of The Difficult Mango: A Climacteric Fruit That Refuses to Play by The Rules</p>
10:40-10:50 AM	<p><b>Invited Talk 1</b> by <b>Dr. Kirtiraj K. Gaikwad</b>, Head &amp; Associate Professor, Indian Institute of Technology (IIT) Roorkee (Offline)</p> <p><b>Title of the talk:</b> Packaging 4.0 in Horticulture: AI-Enabled Smart Systems for Quality Monitoring and Waste Reduction</p>
10:50-11:00 AM	<p><b>Invited Talk 2</b> By <b>Dr. Giancarlo Colelli</b>, Professor, Postharvest Technology, University of Foggia, Italy (Online)</p> <p><b>Title of the talk:</b> Improving Postharvest Handling of Pomegranate Fruit: Technological Strategies for Quality Preservation</p>
11:00- 11:25 AM	<b>Rapid Fire-Oral Presentations: Judge- Dr. Jamilur R. Ansari</b>

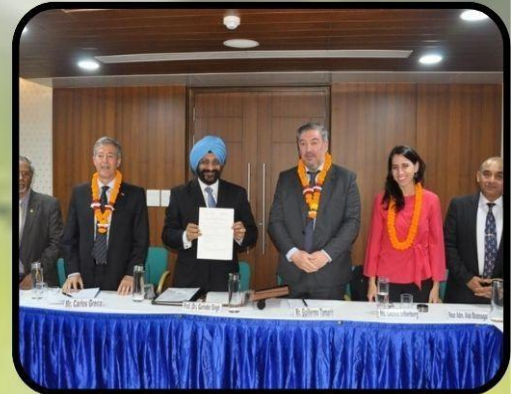
	<ol style="list-style-type: none"> <li><b>1. Vrinda Sharma</b> Department of Life Sciences, Sharda University, Knowledge Park III, Greater Noida, 201310, Uttar Pradesh, India (Offline)</li> <li><b>2. Dr. Himanshu</b> Department of Life Sciences, Baba Mastnath University, Rohtak, Haryana (Offline)</li> <li><b>3. Mr. Jose Raju</b> Amity Institute of Horticulture Studies and Research, Amity University, Uttar Pradesh, Noida (Online)</li> <li><b>4. Neha Sinha</b> Amity Institute of Horticulture Studies and Research, Amity University, Uttar Pradesh, Noida (Online)</li> <li><b>5. Sumera Shaik</b> Tamil Nadu Agricultural University, Coimbatore (Online)</li> <li><b>6. Dr. Sajeel Ahamad</b> Division of Food Science and Postharvest Technology, Icar-Indian Agricultural Research Institute, New Delhi (Online)</li> <li><b>7. Aarti Dilip Dongare</b> School of Food Technology, MIT ADT University, Loni Kalbhor, Pune (Online)</li> <li><b>8. Anu Seng Chaupoo</b> Department of Horticulture, Rajiv Gandhi University, Rono Hills, Doimukh, Arunachal Pradesh (Online)</li> </ol>
11:25-11:30 AM	<b>Vote of Thanks</b> by <b>Dr. Nishant Kumar</b> , Assistant Professor, AFAF
<b>11:30 AM -12:00 PM</b>	<b>TEA BREAK AND POSTER PRESENTATION OF SESSION 3, SESSION 4 &amp; SESSION 5</b> <b>Judges- Dr. Ram Asrey, Dr. Shalini Rudra and Dr. Indivar Prasad</b>
<b>12:00-1:30 PM</b>	<b>Session 4: Climate Resilient Horticulture, Urban &amp; Backyard Farming</b>
<b>Session Coordinators: Dr. Chongtham Allaylay Devi &amp; Mr. Tushar</b> <b>Rapporteurs: Dr. Ajay Tomar &amp; Dr. Tarun Sharma</b>	
<b>Session Chair: Prof. Kirtiraj K. Gaikwad</b> , Head & Associate Professor, IIT Roorkee, India (Offline)	
12:00-12:05 PM	<b>Welcome</b> Note by Session Coordinator <b>Dr. Chongtham Allaylay Devi</b> , Assistant Professor, AIHSR
12:05-12:10 PM	Remarks by Chair and Introduction of The Keynote Speakers.
12:10- 12:25 PM	<b>Keynote Address 1</b> Address by <b>Dr Niveta Jain</b> , Principal Scientist, ICAR-Indian Agricultural Research Institute, India (Offline)

12:25- 12:40 PM	<p><b>Keynote Address 2</b> Address by <b>Dr. Umesh Thapa</b>, Professor, Department of Vegetable Science, Bidhan Chandra Krishi Viswavidyalaya (BCKV), West Bengal, India (Offline)</p> <p><b>Title of the talk:</b> Smart and Cost-Effective Soilless Farming for High-Value Vegetables: A New Avenue for Urban Entrepreneurship</p>
12:40-12:50 PM	<p><b>Invited Talk-1</b> by <b>Dr. Azucena Gonzalez Coloma</b>, Sr. Scientists, Institute of Agricultural Sciences, ICA-CSIC, <b>Spain</b> (Online)</p> <p><b>Title of the talk:</b> Pesticides Problems and Innovative Solutions in The Context of The EU Market</p>
12:50-1:00 PM	<p><b>Invited Talk-2</b> by <b>Dr. Pattarawadee Sumthong Nakmee</b>, Assistant Professor, Faculty of Science, Sriracha Kasetsart University, Thailand. (Online)</p> <p><b>Title of the talk:</b> Harnessing the Bioherbicidal Potential of Melaleuca cajuputi: A Sustainable Approach to Weed Management and Forestry Utilization</p>
1:00- 1:10 PM	<p><b>Invited Talk-3</b> by <b>Dr. Maria Fe Andrés</b> Scientist, Institute of Agricultural Sciences, ICA-CSIC, Spain. (Online)</p> <p><b>Title of the talk:</b> Agro-Industrial By-Products and Wastes as Source of Bionematicides</p>
1:10- 1:25 PM	<p><b>Rapid Fire-Oral Presentations: Judge- Prof. Kirtiraj K. Gaikwad</b></p> <ol style="list-style-type: none"> <li><b>1. Abhinav Raj</b>, Amity Institute of Organic Agriculture, Amity University, Noida, India (Offline)</li> <li><b>2. Saranya A</b>, Division of Agricultural Engineering, Indian Agricultural Research Institute, India (Offline)</li> <li><b>3. Nethone Samba</b>, Graduate School of Horticulture, Chiba University, Japan (Online)</li> <li><b>4. Ms. Tanvi Yadnyeshwar Bore</b>, Amity Institute of Biotechnology, Amity University Mumbai, India (Online)</li> <li><b>5. Thandle Srihitha Rani</b>, College of Food Science and Technology, Professor Jayashankar Telangana Agricultural University, Telangana, India (Online)</li> <li><b>6. Dr. Poonam Khurana</b>, Assistant Professor, Department of Applied science and Humanities, Raj kumar Goel Institute of technology, Ghaziabad, on “Sustainable Agriculture- A way to ensure food security”</li> </ol>
1:25-1:30 PM	Vote of Thanks by <b>Mr. Tushar, Assistant Professor, AFAF</b>
<b>1:30-2:30 PM</b>	<p><b>LUNCH BREAK AND POSTER PRESENTATION OF SESSION 3, SESSION 4 &amp; SESSION 5</b></p> <p><b>Judges- Dr. Ram Asrey, Dr. Shalini Rudra and Dr.Indivar Prasad</b></p>

<b>2:30-3:35 PM</b>		<b>Session 5: Horti-Entrepreneurship and Start-Ups Success Story</b>
<p align="center"><b>Session Coordinators: Dr. Priyank Sharma &amp; Dr. Abhishek Sharma</b>  <b>Rapporteurs: Dr. Nikhil Chandel &amp; Dr. Chaitra</b></p>		
<p><b>Session Chair: Dr. Ram Asrey</b>, Principal Scientist &amp; Professor, ICAR –IARI, New Delhi (Offline)</p>		
2:30-2:35 PM	<b>Welcome</b> Note by Session Coordinator <b>Dr. Abhishek Sharma</b> , Assistant Professor, AFAF	
2:35-2:40 PM	<b>Remarks</b> by the Chair and Introduction of The Keynote Speakers	
2:40-2:55 PM	<p><b>Keynote Address 1 : Dr. Jamilur R. Ansari</b>, Scientist, Yonsei University, South Korea (Offline)</p> <p><b>Title of the talk:</b> Hybrid Nanotechnology in Food Packaging: Role of 0D–2D Materials in Extending Fresh Produce Shelf Life</p>	
2:55- 3:10 PM	<p><b>Keynote Address 2 : Dr. Jeffery Bradshaw</b>, Director, Plant Health Program, University of Nebraska-Lincoln, USA (Online)</p> <p><b>Title of the talk:</b> Co-creating innovations with farmers for the diffusion of sustainable agricultural systems.</p>	
3:10-3:20 PM	<p><b>Invited Talk : Dr. Anveshika Singhal</b>, Founder and Ceo, MiHESO (Online)</p> <p><b>Title of the talk:</b> From Lab Coats to Overnight Oats — Lessons from Building a Brand</p>	
3:20- 3:30 PM	<p><b>Rapid Fire-Oral Presentations: Judge- Dr. Ram Asrey</b></p> <p><b>Umayya Maheen</b>, Professor Jayashankar Telangana Agricultural University, Telangana</p> <p><b>Anamika Singh</b>, Amity Institute of Organic Agriculture, AUUP (Online)</p>	
3:30-3:35 PM	Vote of Thanks by <b>Dr. Priyank Sharma</b> , Assistant Professor, AIHSR	
<b>3:35 PM - 4.35 PM</b>		<b>Award Distribution &amp; Valedictory Session</b>
<p align="center"><b>MC: Dr. Chongtham Allaylay Devi</b>, Assistant Professor, AIHSR</p>		
3:35-3:45 PM	<b>Summary Report</b> by <b>Dr. Nutan Kaushik</b> , Director General,- AFAF	
3:45-3:55 PM	Remarks by <b>Dr. W. Selvamurthy</b> , President-ASTIF, Chancellor Amity University, Chhattisgarh	
3:55-4:05 PM	<b>Address</b> by Guest of Honor, <b>Dr. Vishaw Bandhu Patel</b> , ADG (Fruit & Plantation Crops), Division of Horticulture Sciences, Icar, New Delhi	
4:05-4:15 PM	<b>Address</b> by Chief Guest <b>Dr. Nabin Kumar Roy</b> , Chief General Manager (CGM), NABARD	
4:15-4:30 PM	<b>Awards Distributions Ceremony</b>	
4:30-4:35 PM	Vote of Thanks by <b>Dr. Anamika Verma</b> , Assistant Professor, AIHSR	
<b>4:35-5:00 PM</b>	<b>High Tea</b>	



# Amity Food & Agriculture Foundation



## A GLOBAL HUB FOR AGRI-FOOD COLLABORATION

Amity University Uttar Pradesh