



**AGRI** 2026  
**VISION**

2026

## Technical Program

### 8<sup>th</sup> International Conference on **Sustainable Agriculture for Food Security**

January 28-30, 2026 | ICAR-IIHR-CHES, Bhubaneswar, Odisha, India

Jointly organized by SARM & ICAR-IIHR-CHES



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<b>Day-1 (Jan 28, 2026)</b> <b>Auditorium (Ground Floor)</b>	
<b>09:00-09:45</b>	Registration
<b>09:45-09:50</b>	Opening Ceremony, Candle Lighting
<b>09:50-10:00</b>	Opening Remark
	<b>Session Theme: Sustainable Agriculture &amp; Horticulture, Digital Agriculture, Food &amp; Nutrition</b>
<b>10:00-10:15</b>	<b>PS1: Potential of baby corn and sweet corn in Odisha</b> <b>Dr. Sain Dass</b> Former Director, ICAR-Directorate of Maize Research, New Delhi
<b>10:15-10:30</b>	<b>PS2: Role of quality pesticide input in increasing productivity</b> <b>Dr. R G Agarwal</b> Chairman Emeritus, Dhanuka Agritech Ltd.
<b>10:30-10:45</b>	<b>PS 3-V: The Critical Role of the Subtropical Horticulture Research Station in USDA-ARS National Plant Germplasm System</b> <b>Dr. Madhugiri Nageswara-Rao</b> USDA-ARS, Subtropical Horticulture Research Station 
<b>10:45-11:00</b>	<b>PS4: Performance of yield and quality of cocoa (<i>Theobroma cacao</i> L.) grown under different cropping systems in Andhra Pradesh</b> <b>Prof. Kalpana Motha</b> College of Horticulture, Venkataramannagudem
<b>11:00-11:15</b>	<b>Tea Break (Registration Area)</b>
<b>11:15-11:25</b>	<b>Title:</b> Wettability Studies of Plant Leaf Surfaces Using an Optical Tensiometer with Water, Oil, and Emulsions <b>Dr. Sumit Tripathi</b> IITRAM, Ahmedabad
<b>11:25-11:35</b>	<b>Title:</b> Empowering Gen-Z (Farmers) with a New Digital Modelling Framework for Climate-Resilient Agriculture <b>Dr. Dulal Chakrabarti</b> India Meteorological Department, Ministry of Earth Sciences, Government of India
<b>11:35-11:45</b>	<b>Title:</b> Untangling regulated metabolic and molecular features in plant cells for surviving under salt stress by seed priming with Mangrove-derived bacterial bio-stimulant <b>Dr. Harshata Pal</b> Amity University, Kolkata
<b>11:45-12:00</b>	<b>Title:</b> The bright side of parasitic plants: what are they good for? <b>Dr. Harekrushna Swain</b> Botanical Survey of India, ERC, Shillong
<b>12:00-12:10</b>	<b>Title:</b> Comparative Genomics analysis of Rhizosphere and Endophytic Trichoderma isolates from Tropical Tuber Crops <b>Dr. R Arutselvan</b> ICAR-CTCRI, Bhubaneswar
<b>12:10-12:20</b>	<b>Title:</b> Genomics-Enabled Dissection of White Mold Resistance in Common Bean <b>Dr. Mamidi Sujan</b> HudsonAlpha Institute for Biotechnology
<b>12:20-12:30</b>	<b>Title:</b> Millet-based Cropping Systems under Rainfed Upland for Higher Water Productivity, Farm Income, Nutritional Security, and Resilience of Marginal Farmers of Odisha <b>Dr. Bhabani Sankar Satapathy</b> ICAR-IIWM, Bhubaneswar

12:30-12:40	<p><b>Title-V:</b> Evaluation of bioactive constituents of <i>Garcinia indica</i> (kokum) as a potential source of hydroxycitric acid, anthocyanin, and phenolic compounds</p> <p><b>Dr. Pritee Singh</b> ICAR-IIHR, Bengaluru</p> 
12:40-12:50	<p><b>Title-V:</b> Identification and evaluation of advanced bitter gourd (<i>Momordica charantia</i> L.) lines for powdery mildew resistance</p> <p><b>Dr. B.Varalakshmi</b> ICAR-IIHR, Bengaluru</p> 
12:50-13:00	<p><b>Title:</b> Mangrove Ecosystems as Blue Carbon Reservoirs: Mechanisms and Impact on Climate Change Mitigation</p> <p><b>Dr. Sauren Das</b> Indian Statistical Institute, Kolkata</p>
13:00-13:10	<p><b>Title-V:</b> Mathematical Modelling of Drying Kinetics and Rehydration Behaviour of Green Peas</p> <p><b>Dr. Anindita Karmakar</b> Bidhan Chandra Krishi Viswavidyalaya, Kolkata</p> 
13:10-13:20	<p><b>Title:</b> Seed Spices for Rural Livelihoods in Odisha: Evidence from On-Farm Demonstrations</p> <p><b>Dr. Jotirmayee Lenka</b> ICAR-IISWC, RC, Sunabeda</p>
13:20-13:30	<p><b>Title:</b> A native strain of <i>Heterorhabditis indica</i> from Indo-Gangetic plains: characterization, molecular phylogeny and field efficacy against bark eating caterpillars in guava</p> <p><b>Dr. Snehasish Routray</b> ICAR-CISH, Lucknow</p>
13:30-14:15	<b>Lunch Break (Dining Area)</b>
14:15-14:30	<p><b>PS5:</b> Biopesticides based sustainable nematode management in horticultural crops</p> <p><b>Dr. R. Umamaheswari</b> ICAR-IIHR Bengaluru</p>
14:30-14:45	<p><b>PS6:</b> Prevalent and emerging diseases affecting Dragon Fruit (<i>Selenicereus</i> spp.) in India</p> <p><b>Dr. Sangeetha Ganesan</b> ICAR-IIHR, Bengaluru</p>
14:45-14:55	<p><b>Title:</b> CRISPR/Cas-based genome editing for genetic improvement of <i>Solanum lycopersicum</i> L.</p> <p><b>Dr. Banashree Saikia</b> CSIR-NEIST, Jorhat</p>
14:55-15:05	<p><b>Title:</b> Climate-driven agro-ecological vulnerability: flood-induced chemical dependency, food &amp; nutrition security, biodiversity decline risks in vegetable-based farming systems</p> <p><b>Mr. Dibakar Mallick</b> HCL Foundation</p>
15:05-15:15	<p><b>Title:</b> Life Cycle-Based Sustainability Assessment of Litchi-Based Integrated Farming Systems toward Carbon Neutral Agriculture</p> <p><b>Dr. Bhagya Vijayan</b> ICAR-NRC on Litchi, Muzaffarpur</p>
15:15-15:25	<p><b>Title:</b> Soil hydraulic conductivity under agricultural-to-horticultural land use change in the Eastern Ghats, India</p> <p><b>Dr. Saswat Kumar Kar</b> ICAR-IISWC, RC, Sunabeda</p>
15:25-15:35	<p><b>Title:</b> Metagenomics Insights into Microbial Biodiversity of Wild Brinjal (<i>Solanum</i> spp.) Relatives</p> <p><b>Dr. Satyapriya Singh</b> ICAR-IIHR-CHES, Bhubaneswar</p>

15:35-15:45	<b>Title:</b> Exploring Nutritional and Genetic Diversity in Curry Leaf Genetic Resources <b>Dr. Raghu BR</b> ICAR-IIHR, Bengaluru	
15:45-15:55	<b>Title-V:</b> Identification of SSR marker for Fruit Firmness (ff) linked QTL in Indian Melon ( <i>Cucumis melo</i> L.) for Marker-Assisted Breeding <b>Dr. Manjunatha Gowda D. C.</b> ICAR-IIHR, Bengaluru	
15:55-16:05	<b>Title-V:</b> Effective solubilization of rock phosphates with organic amendments and PSB on groundnut-maize cropping system under red lateritic soils of Odisha <b>Mrs Poonam Preeti Pradhan</b> S'O'A University, Bhubaneswar	
16:05-16:15	<b>Title:</b> Off-season cultivation of fodder oat: A climate-resilient strategy for animal nutrition security <b>Dr. Swarnalata Das</b> OUAT, Bhubaneswar	
16:15-16:20	<b>Presentation Certificate Distribution</b>	
16:20-16:35	<b>Tea Break (Registration Area)</b>	
17:00-20:00	<b>Inauguration of Agri Vision 2026, Exhibition, Award Ceremony &amp; Cultural program</b>	
20:00-21:00	<b>Dinner</b>	

<b>Day-1 (Jan 28, 2026): Parallel Session (Virtual)</b>		
<b>Lecture Hall (First Floor)</b>		
<b>Theme: Sustainable Agriculture &amp; Horticulture, Digital Agriculture, Food &amp; Nutrition</b>		
11:15-11:25	<b>Title-V:</b> Study on the Influence Mechanism of Technology Adoption in Poultry Farming <b>Mathews Biju</b> MS Ramaiah University Applied Sciences, Bangalore	
11:25-11:35	<b>Title-V:</b> Design and Development of Tractor mounted Inter cum Intra row Weeder <b>Sharmistha Sahu</b> CUTM, Bhubaneswar	
11:35-11:45	<b>Title-V: Gender-based farm wage differential: A case study of Indian states</b> <b>Anushka</b> Banaras Hindu University, Varanasi	
11:45-11:55	<b>Title-V:</b> Climate-Resilient Integrated Farming System Modules as a Sustainable Strategy for Enhancing Food, Nutritional and Livelihood Security of Smallholder Farmers <b>Sayani Das</b> Bidhan Chandra Krishi Viswavidyalaya	
11:55-12:05	<b>Title-V:</b> Heterosis Exploitation in Cotton ( <i>Gossypium spp.</i> ) through Hybrid Seed Production Systems <b>Vijay Thakur</b> Junagadh Agricultural University, Junagadh	
12:05-12:15	<b>Title-V:</b> Role of micronutrients in improving vegetable quality <b>Syeda Nabeela Thasneem</b> Sri Konda Laxman Telangana Horticultural University	
12:15-12:25	<b>Title-V:</b> Effect of Organic Nutrient Sources and Enriched Banana Pseudostem Sap on Growth, Yield, Quality and Economics of Green Gram ( <i>Vigna radiata</i> L.) under Organic Farming <b>Banoth Venkateswarlu</b> Dr. Rajendra Prasad Central Agricultural University	

<b>12:25-12:35</b>	<p><b>Title-V:</b> Harnessing Wheat Genetic Diversity from Heat-Tolerant, High-Yielding Varieties for Climate-Resilient Production</p> <p><b>Anoj Kumar Singh</b> SHUATS, Prayagraj</p>
<b>12:35-12:45</b>	<p><b>Title-V:</b> From Participation to Prosperity: Impact of National Rural Livelihood Mission on livelihood security of rural women</p> <p><b>Pooja Goswami</b> G.B Pant University of Agriculture and Technology, Pantnagar</p>
<b>12:45-12:55</b>	<p><b>Title-V:</b> Nanopesticides: A Modern Solution for Sustainable Plant Protection and Precision Pest Management</p> <p><b>Dhorajiya Manashvi Goradhanbhai</b> Junagadh Agricultural University</p>
<b>12:55-13:05</b>	<p><b>Title-V:</b> Effect of natural vitamin E, vitamin C, Choline and herbal liver supplement on serum biochemical parameters in commercial broilers</p> <p><b>Sunil Nagappa Kodler</b> KVAFSU, Bidar</p>
<b>13:05-13:15</b>	<p><b>Title-V:</b> Persistence and Ecotoxicological Evaluation of Butachlor and its Metabolites in Different Soil Order</p> <p><b>Rupali Gupta</b> Chaudhary Charan Singh Haryana</p>
<b>13:15-13:25</b>	<p><b>Title-V:</b> Genetic Divergence Analysis of Maize Hybrids for Morphological and Quantitative Traits under Prayagraj Agro-Climatic Conditions</p> <p><b>Sachin Rajesh Awachar</b> SHUATS, Prayagraj</p>
<b>13:25-14:15</b>	<b>Lunch Break</b>

<b>Day-2 (Jan 29, 2026)</b> <b>Auditorium (Ground Floor)</b>	
09:00-09:45	Registration
09:50-10:00	Opening Ceremony, Candle Lighting
<b>Session Theme: Sustainable Agriculture, Food &amp; Nutrition, Rural Livelihood Development,</b>	
10:00-10:15	<b>PS 1: Adaptive responses to high CO<sub>2</sub> by oil seed crop plants <i>Brassica juncea</i> and <i>Brassica campestris</i> grown in free air Carbon Dioxide Enrichment (FACE) environment</b> <b>Prof. Baishnab Charan Tripathy</b> Sharda University, Greater Noida, India
10:15-10:30	<b>Sponsored Slot: Kubtec Scientific – Global Achievements &amp; Contributions in Seed and Agriculture Sector</b> <b>Mr. Shane Smithee</b> Global Business Head, Kubtec Scientific USA 
10:30-10:45	<b>Sponsored Slot: NABARD, RO, Bhubaneswar, Odisha</b>
10:45-11:00	<b>PS 2: Women-friendly agricultural technologies for quality food production</b> <b>Dr. Sukanta Kumar Sarangi</b> ICAR-CIWA, Bhubaneswar, India
11:00-11:15	<b>PS 3: Perspectives on the use of wild species in tomato breeding</b> <b>Dr. H. C. Prasanna</b> ICAR-IIHR, Bengaluru
11:15-11:30	<b>Tea Break (Registration Area)</b>
11:30-11:40	<b>Title: Beyond the GI Act: Interlinkages with the PVPFR Act 2001 for the GI tagged rice in India</b> <b>Dr. Padmavati Manchikanti</b> Indian Institute of Technology, Kharagpur
11:40-11:50	<b>Title: Physiological and biochemical Response of sunflower (<i>Helianthus annuus</i> L.) genotypes to soil applied boron</b> <b>Dr. Anita Mahapatra</b> OUAT, Bhubaneswar
11:50-12:00	<b>Title: Geographical Indications (GIs), Market Access, and Farmer Incomes: Evidence from India's GI tagged non-Basmati Rice varieties</b> <b>Dr. Soumya Vinayan</b> Council for Social Development, Hyderabad
12:00-12:10	<b>Title: Evaluating holistic modules for sustainable nematode management in okra</b> <b>Dr. R. Umamaheswari</b> ICAR-IIHR, Bengaluru
12:10-12:20	<b>Title: Impact of Extreme Weather Conditions on Legume Vegetables and the Feasibility of Non-Traditional Crops in Tropical Humid Odisha</b> <b>Dr. Koundinya A.VV.</b> ICAR-IIHR-CHES, Bhubaneswar
12:20-12:30	<b>Title: Identification and validation of cucumber germplasm (<i>Cucumis sativus</i> L.) lines for downy mildew resistance</b> <b>Dr. Vivek Hegde</b> ICAR-IIHR, Bengaluru
12:30-12:40	<b>Title: Minimizing reactive nitrogen loss in lowland rice using natural nitrification and urease inhibitors</b> <b>Dr. Dibyendu Chatterjee</b> ICAR-CRRI, Cuttack
12:40-12:50	<b>Title: Livelihoods vulnerability of farmers in flood affected agro-ecosystems in Ganjam, Odisha</b> <b>Dr. Shantanu Rakshit</b> ICAR-IIHR-CHES, Bhubaneswar

12:50-13:00	<p><b>Title:</b> Paddy straw as a biofuel feedstock: Infrastructure needs and financial estimates for effective storage</p> <p><b>Ayushman Saboo</b> Council on Energy, Environment and Water, New Delhi</p>
13:00-13:10	<p><b>Title:</b> Strengthening Custom hiring centres for better crop residue management: Lessons from Punjab</p> <p><b>Srishti Jain</b> Council on Energy, Environment and Water, New Delhi</p>
13:10-13:20	<p><b>Title:</b> Tracing the rise of crop residue burning in Madhya Pradesh: Trends, drivers and policy gaps</p> <p><b>Khushi Sharma</b> Council on Energy, Environment and Water, New Delhi</p>
13:20-13:30	<p><b>Title:</b> Screening for YMV resistance in Okra hybrids at natural hotspot area at CHES, Bhubaneswar North East region of Odisha</p> <p><b>Dr. M Pitchaimuthu</b> ICAR-IIHR, Bengaluru</p>
13:30-14:15	<b>Lunch Break (Dining Area)</b>
14:15-14:30	<p><b>PS 5: Breeding chillies for tackling major biotic stresses</b></p> <p><b>Dr. Ponnam Naresh</b> ICAR-IIHR, Bengaluru</p>
14:30-14:45	<p><b>Ps 6: <i>T. sphaerococcum</i> (Indian Dwarf Wheat), A Boon for Stress and Nutritional Resilience</b></p> <p><b>Prof. V.P. Sahi</b> SHUATS, Prayagraj</p>
14:45-14:55	<p><b>Title: TBA</b></p> <p><b>Lt. Col Tushar Sharma</b> <b>CQA (GS), Kanpur</b></p>
14:55-15:05	<p><b>Title:</b> High Density Planting and Sucker Arrangement in Banana: A Sustainable Approach to Enhance Banana Productivity</p> <p><b>Dr. Saudamini Swain</b> OUAT, Bhubaneswar</p>
15:05-15:15	<p><b>Title:</b> Formulation of New Panchagavya: Temporal dynamics of Physical, Chemical and Biological Properties in Preparation vs Storage stages</p> <p><b>Mrs. Sabita Aryal Khanna</b> Kathmandu University, Dullikhel, Nepal</p>
15:15-15:25	<p><b>Title-V:</b> Phenotypic Mapping of Livestock and poultry genetic Resources of Dehradun District of Uttarakhand</p> <p><b>Dr. Amod Kumar</b> ICAR-NBAGR, Karnal</p> 
15:25-15:35	<p><b>Title:</b> Constitutive morpho-physiological and biochemical diversity among grape (<i>Vitis spp.</i>) germplasm with relevance to stress-adaptive breeding</p> <p><b>Debi Prasad Mohanty</b> ICAR-IIHR, Bengaluru</p>
15:35-15:45	<p><b>Title-V:</b> Quality assessment of different value-added green tea products</p> <p><b>Bidisha Sharma</b> Assam Agricultural University, Jorhat</p> 
15:45-15:55	<p><b>Title:</b> Gandhamardan hill- Odisha's Living Pharmacy with unique natural Agroforestry and Community Resilience model</p> <p><b>Abhisekh Pradhan</b> WASSAN, Bhubaneswar</p>

15:55-16:05	<b>Title:</b> Resilient Fruit Farming through Protected Cultivation <b>Dr. Tanushree Sahoo</b> ICAR-IIHR-CHES, Bhubaneswar
16:05-16:15	<b>Title:</b> Influence of combined application of boron and plant growth regulators on yield and fruit quality of apple ber ( <i>Zizyphus mauritiana</i> Lamk.) <b>Dr. Deepa Samant</b> ICAR-IIHR-CHES, Bhubaneswar
16:15-16:30	<b>Title:</b> Sustainable Water Management in Agriculture: AI-Driven Precision Irrigation Systems <b>Dr. Sonali Nigam</b> St.Aloysius College (Autonomous), Jabalpur
16:30-16:35	<b>Presentation Certificate Distribution</b>
16:35-16:55	<b>Tea Break (Registration Area)</b>
17:00-20:00	<b>Meeting, Award Ceremony &amp; Cultural Program</b>
20:00-21:00	<b>Dinner</b>

## Day-2 (Jan 29, 2026): e-Poster

### Lecture Hall (First Floor)



11:00-11:10	EP-1	Devyani Ramola GBPUAT, Pantnagar	Millets for nutrition and climate action: An integrative review of agronomy, processing, and nutritional outcomes
11:10-11:20	EP-2	Nandini Palthyavath PJTU, Hyderabad	Crop Water Budgeting and Spatial Estimation for Different Establishment Methods of Rice ( <i>Oryza sativa</i> L.) under Canal Command Using Remote Sensing and GIS
11:20-11:30	EP-3	Surjeet Singh Bharath Jai Narayan Vyas University, Jodhpur	Innovative Technologies for the Effective Management of Wild Herbivores in the Semi-Arid Agricultural Landscape of Jodhpur, Rajasthan
11:30-11:40	EP-4	Vatsala Tewari GBPUAT, Pantnagar	Impact of Heat Stress on Anti-Nutritional Compounds in Garden Pea ( <i>Pisum sativum</i> L.)
11:40-11:50	EP-5	Dr. Jakku Prasanna TNAU, Coimbatore	Agronomic Biofortification for Improving Nutritional Security in Cereal Crops
11:50-12:00	EP-6	Tulja Sanam UAS, Bangalore	Irrigation Water Quality Index-Based Assessment of Marigold Industry Effluent and Its Phytotoxic Bioassay
12:00-12:10	EP-7	Battula Soujanya SKLTGHU, Hyderabad	Assessment of Genetic Variability among Mango Cultivars of Telangana through SSR Markers
12:10-12:20	EP-8	Karre Anusha PJTU, Hyderabad	Role of Biofertilizers in Improving Nutrient Use Efficiency and Soil Health in Crop Production
12:20-12:30	EP-9	Bonagiri Soumya PJTU, Hyderabad	Fertilizer Supply Regulation and Its Influence on Nutrient Scheduling in Cropping Systems
12:30-12:40	EP-10	Vijay Sree CH PJTU, Hyderabad	Use of Drones in Agriculture
12:40-12:50	EP-11	Oddula Vamshi PJTU, Hyderabad	Impact of Herbicide Intensification on Soil Health and Microbial Diversity in Indian Soybean ( <i>Glycine max</i> ) Systems

12:50-13:00	EP-12	Kavya Inuganti PJTAU, Hyderabad	Fertilizers and their effects on soil, water and ecosystems
13:00-13:10	EP-13	K. Jhansi VNMKV, Parbhani	Economics of foxtail millet ( <i>Setaria italica</i> L.) as influenced by different fertilizer levels and row spacings
13:10-13:20	EP-14	Rohit Redhu GBPUAT, Pantnagar	Remote Sensing and GIS Applications in Indian Agriculture: Current Capabilities and Future Directions
13:20-13:30	EP-15	Farhat Umra IGKV, Raipur	Decentralized Value Addition of Agricultural Residues: A Missing Link in Achieving Rural Sustainability
13:30-14:15	<b>Lunch Break</b>		
14:15-14:25	EP-16	Ayushi Negi SVCAET&RS, IGKV, Raipur	Packaging-Based Interventions for Value Addition of Chironji Oilseeds and Tribal Income Enhancement
14:25-14:35	EP-17	Dileep Singh Rajput Rath Tech Hub	Bridging the Skill Gap in Bundelkhand: A Sustainable Model for Integrating Drone Technology and Solar Solutions in Rural Agriculture
14:35-14:45	EP-18	Katkuri Sai Sharwani PJTAU, Hyderabad	Cold Chain Deficit and Food Security in India: Bridging the Post-Harvest Loss Gap
14:45-14:55	EP-19	Vaishali YSP UHF, Solan	Enhancing Soil Health and Plant Growth with Jeevamrit: A Guide to Beneficial Bacteria in Organic Farming
14:55-15:05	EP-20	Sipra Mohapatra OUAT, Bhubaneswar	Changes in Carbon sequestration with age of trees in guava orchards at different locations in a tropical climate on Alfisols
15:05-15:15	EP-21	Siyang Liu Khon Kaen University, Khon Kaen	A Study on Strategies to Enhance the Public Brand Perception of Lushan Yunwu Tea

### Day-2 (Jan 29, 2026): Poster

Timings: 14:00-16:30

<b>P1</b>	<b>Deepika Chandila</b> University of Delhi, New Delhi	Orientation responses of neonate <i>Spodoptera litura</i> larvae (Fab.) (Lepidoptera: Noctuidae) to Plant leaves
<b>P2</b>	<b>Aurolipsa Panda</b> ICAR-IIHR-CHES, Bhubaneswar	Screening of promising gamma ray-induced mutants in cowpea ( <i>Vigna unguiculata</i> L. Walp) for growth and yield traits
<b>P3</b>	<b>Sameera Mansuri</b> Government Holkar Science College, Indore	Hydroponic cultivation as a sustainable alternative for enhanced growth and resource use efficiency in medicinal and aromatic plants
<b>P4</b>	<b>Kashish Gohil</b> PDEU, Gandhinagar	Great concepts for re-understanding of food processing
<b>P5</b>	<b>Minijuli Basumatary</b> CIT, Kokrajhar	Microgreens as emerging dietary tools for metabolomic health: insights from recent research.

<b>P6</b>	<b>Rokesh Radhakrishnan</b> IIT, Kharagpur	Agro-Industrial-Driven Design for Remediation of Textile Effluents: A Sustainable Circular Economy model
<b>P7</b>	<b>Sanmhidha R V</b> Kumaraguru Institute Of Agriculture, Appakudal	Systems Analysis of Climate Adaptation in Smallholder Agriculture: Interlinking Technological innovations, ecophysiological responses, Socioeconomic conditions and agricultural policy ecosystems
<b>P8</b>	<b>Cibinandhan K S</b> Kumaraguru Institute Of Agriculture, Appakudal	Microbial Valorization of Poultry Waste: A proposed keratinase based approach for sustainable biofertilizer production
<b>P9</b>	<b>Ankita Mohapatra</b> OUAT, Bhubaneswar	Comparative performance of lettuce cultivars under different media in an aggregate hydroponic system
<b>P10</b>	<b>Anjali Singh</b> SHUATS, Prayagraj	Role of Morphological Traits in Yield Expression of Chilli: A Genotypic and Phenotypic Perspective
<b>P11</b>	<b>Vishnu Raj</b> SHUATS, Prayagraj	In-vitro screening of chilli ( <i>Capsicum annuum</i> L.) Genotypes under osmotic stress
<b>P12</b>	<b>Raj Pathak</b> SHUATS, Prayagraj	Pearson Correlation Analysis of Yield and Its Component Traits in Faba Bean
<b>P13</b>	<b>Kriti Gupta</b> SHUATS, Prayagraj	Evaluation of exotic elite germplasm of Durum wheat ( <i>Triticum turgidum</i> Desf. var. durum) under terminal heat stress conditions using stress indices
<b>P14</b>	<b>Priyanka</b> SHUATS, Prayagraj	Evaluation of exotic elite germplasm of Durum wheat ( <i>Triticum turgidum</i> Desf. var. durum) under terminal heat stress conditions using stress indices
<b>P15</b>	<b>Sanabam Ambika Devi</b> SHUATS, Prayagraj	Evaluation of exotic elite germplasm of Durum wheat ( <i>Triticum turgidum</i> Desf. var. durum) under terminal heat stress conditions using stress indices
<b>P16</b>	<b>P. Bhavana</b> OUAT, Bhubaneswar	Deciphering plant volatile-mediated host selection and oviposition in <i>Cnaphalocrocis medinalis</i> (Guenée) using behavioural bioassay, chemical signature and antennal electrophysiology
<b>P17</b>	<b>Jubuli Sahu</b> OUAT, Bhubaneswar	Biofuels production from agro-waste: Enhancing efficiency and environmental sustainability
<b>P18</b>	<b>Gupteswar Mohanty</b> GIET University, Gunupur	Biofuel & Agro-Waste Based Energy: Global Strategies, Geopolitical Shifts and Sustainable Futures
<b>P19</b>	<b>Naveen Raj PB</b> Kumaraguru Institute of Agriculture	MYCOTRON: A Mycelium-Based Living Biofabric for Heavy Metal Immobilization and Soil Reclamation Using <i>Pleurotus ostreatus</i>
<b>P20</b>	<b>Sarmineswary E G</b> PSG Institute of Technology and Applied Research, Neelambur	Drone Robotics and Imaging Technologies for Smart and Sustainable Precision Agriculture
<b>P21</b>	<b>Vishesh</b> Rajiv Gandhi Institute of Petroleum Technology, Amethi	Grey2Green: A Solar-Powered Algae-Based Hybrid System for Decentralized Greywater Recycling and Nutrient Recovery
<b>P22</b>	<b>Ankita Dadhich</b> Institute of Nanoscience and Technology, Mohali	Handheld Crop Pest Sensor Using Binary Catalyst-Loaded Nano-SnO <sub>2</sub> Particles for Oxidative Signal Amplification

<b>P23</b>	<b>Dr. Sabeera Muzzaffar</b> University of Kashmir	Comparative Evaluation of Conventional and Ultrasound Assisted Extraction of Natural Antioxidants from wild Himalayan fruits
<b>P24</b>	<b>Dr. Chittaranjan Sahoo</b> OUAT, Bhubaneswar	Assessment of Potato ( <i>Solanum tuberosum</i> L.) Physiology Under Conservation (Zero) and Conventional Tillage
<b>P25</b>	<b>Dr. Uttam Kumar Behera</b> OUAT, Bhubaneswar	Comparative Evaluation of Morpho-Physiological and Biochemical Traits in Diverse Potato ( <i>Solanum tuberosum</i> L.) Genotypes
<b>P26</b>	<b>Dr. Sh. Golak Bihari Naik</b> ICAR-IISWC, RC, Sunabeda	Low Cost, Less Water use and High Production Biofloc Fish farming: Economic empowerment of SC/ST community of Koraput District of Odisha
<b>P28</b>	<b>Nikita Mandala</b> OUAT, Bhubaneswar	Salinity-induced physiological and biochemical changes during seedling establishment in Brinjal ( <i>Solanum melongena</i> L.)_
<b>P29</b>	<b>Bibhu Pranashu Das</b> OUAT, Bhubaneswar	Influence of Graded Macronutrient Supply on Growth, Physiology, and Biochemical Attributes of Early-Duration Rice Varieties
<b>P30</b>	<b>Jwela Priyadarshini Behera</b> OUAT, Bhubaneswar	Impact of Insecticide Seed Treatment During Storage on Seedling Health, Vigour, and Physio-Biochemical Traits of Green Gram ( <i>Vigna radiata</i> (L.) R. Wilczek)
<b>P31</b>	<b>Chaman Kumar</b> ICAR-IIHR, Bengaluru	Exogenous Melatonin Dipping Mitigation of Pericarp Browning and Oxidative Deterioration in 'Shahi' Litchi ( <i>Litchi chinensis</i> Sonn.) During Ambient Storage
<b>P32</b>	<b>Badigi Pavan Naik</b> OUAT, Bhubaneswar	Agro-Tourism as an Emerging Agripreneurship Model for Rural Livelihood
<b>P33</b>	<b>Ananya Mishra</b> OUAT, Bhubaneswar	Value Addition in Tropical Tuber Crops: An Approach towards Income Generation and Waste Reduction
<b>P34</b>	<b>Soumadeep Putatunda</b> OUAT, Bhubaneswar	Precision Horticulture as a Climate-Smart Pathway for Sustainable Agri Food Systems
<b>P35</b>	<b>Deepak Kumar Behera</b> OUAT, Bhubaneswar	Beekeeping: A Promising Non-Farm and Off-Farm Approach as Employment Generation
<b>P36</b>	<b>Atman Dibyardarsee</b> S'O'A University, Bhubaneswar	Green Biotechnology: Alternative to traditional agriculture
<b>P37</b>	<b>Nikitasha Dash</b> OUAT, Bhubaneswar	Physico – Chemical Properties of Wild Jujube ( <i>Ziziphus oenoplia</i> L.) Fruits as Influenced by Pre and Post Harvest Conditions
<b>P38</b>	<b>Meera Mahanty</b> OUAT, Bhubaneswar	Enhancing Farm Profitability through Mobile-Based ICT-Enabled Agrometeorological Advisory Dissemination

## Day-3 (Jan 30, 2026)

### Auditorium (Ground Floor)

09:00-09:45	Registration
09:50-10:00	Opening Ceremony, Candle Lighting
<b>Session Theme: Sustainable Agriculture &amp; Horticulture, Food &amp; Nutrition, and Agri Business</b>	
10:00-10:15	<b>PS1: Business opportunities in Floriculture in Odisha</b> <b>Dr. S.K Palai</b> OUAT, Bhubaneswar
10:15-10:30	<b>PS2: Cold atmospheric Pressure Plasma improves seed germination, seedling growth, drought tolerance and nutritional profile of microgreens</b> <b>Prof. Srinivasa Rao Mentreddy</b> Alabama A&M University, Huntsville, USA
10:30-10:45	<b>PS3: Unlocking Underutilized Leafy Crops for Sustainable Nutrition Security: Lessons from Curry Leaf (<i>Murraya koenigii</i> L. Spreng).</b> <b>Dr. Raghu B.R.</b> ICAR-IIHR, Bengaluru
10:45-11:00	<b>PS4: Efficacy Modulation of <i>Momordica charantia</i> L. Phytocomponents in Adult Zebrafish (<i>Danio rerio</i>): A Dose-Dependent Study Using GC-MS, In-Silico ADMET, &amp; In vivo Techniques</b> <b>Dr. Yashaswi Nayak</b> CUTM, Bhubaneswar
11:00-11:15	<b>PS 5: Genetic diversity of indigenous aromatic rice of Odisha and its use for economic development of rural poor</b> <b>Prof. S. R. Das</b> Former Professor, OUAT, Bhubaneswar
11:15-11:30	<b>Tea Break (Registration Area)</b>
11:30-11:45	<b>PS5: Scope of Commercial Cultivation of Orchids in Eastern India</b> <b>Dr. Nihar Ranjan Nayak</b> RPRC, Bhubaneswar
11:45-12:00	<b>PS6: Evaluating Aquaponic-Derived and Synthetic Nutrient Solutions for Lettuce Cultivation in Vertical Hydroponics</b> <b>Dr. Prativa Sahu</b> ICAR-IIWM, Bhubaneswar
12:00-12:10	<b>Title: Ovicidal and Repellent Activity of <i>Cymbopogon winterianus</i> Jowitt Essential Oil against <i>Spodoptera frugiperda</i> (J.E. Smith) (Lepidoptera: Noctuidae)</b> <b>Rupom Pathori</b> Dyal Singh College, University of Delhi, New Delhi
12:10-12:20	<b>Title: Indigenous Knowledge-based Livelihood Mapping for Economic Empowerment of Tribal Communities in Fragile Mountain Regions of Kashmir</b> <b>Dr. Omar Fayaz Khan</b> Sher-Kashmir University of Agricultural Sciences and Technology, Kashmir
12:20-12:30	<b>Title: Expression of Virus Tolerance in Hybrid and Segregating Generations</b> <b>Ramana Parth Madhavjibhai</b> SHUATS, Prayagraj
12:30-12:40	<b>Title: Estimation of Genetic Variability and Screening of Micronutrients (Fe &amp; Zn) in Traditional Rice (<i>Oryza sativa</i> L.) Landraces</b> <b>Sreedevi Menon</b> SHUATS, Prayagraj

12:40-12:50	<p><b>Title:</b> Precision Allele Engineering of FAD2 for Enhanced Oleic Acid Content and Oil Quality Improvement in Mustard (<i>Brassica</i> spp.)</p> <p><b>New Muskan Yadav</b> Central Agricultural University, Imphal</p>
12:50-13:00	<p><b>Title:</b> Identification of SSR marker linked fruit flavour QTL flv1.4 aiding for marker-assisted selection in muskmelon (<i>Cucumis melo</i> L.) flavour trait</p> <p><b>Sowbiga Rangaraj</b> ICAR-IIHR, Bengaluru</p>
13:00-13:10	<p><b>Title-V:</b> Biofloc technology: Evaluational trajectory, Conceptual structure, Operating principles and System design – an overview</p> <p><b>Kumar Siddharth</b> SHUATS, Prayagraj</p> 
13:10-13:20	<p><b>Title:</b> Deterrent effect of citronella essential oil and its nanoemulsion on oviposition behaviour of diamondback moth, <i>Plutella xylostella</i> (L.) (Lepidoptera: Plutellidae).</p> <p><b>Nida</b> Deshbandhu College, University of Delhi, New Delhi</p>
13:20-13:30	<p><b>Title:</b> Stomatal Behaviour under Heat &amp; Drought Stresses</p> <p><b>Sandeep Nalla</b> SHUATS, Prayagraj</p>
13:30-13:40	<p><b>Title:</b> Post Harvest Use of Sodium Nitroprusside and Shellac Coating Maintained Fruit Quality and Shelf Life of Sapota in Ambient Condition</p> <p><b>Dr. Debashis Mandal</b> Mizoram University, Aizawl</p>
13:40-14:15	<p><b>Lunch Break</b></p>
14:15-14:30	<p><b>Title:</b> Calcium mediated strategy for rapid acidogenic sludge formation with simultaneous improvement in biohydrogen production</p> <p><b>Rokesh Radhakrishnan</b> Indian Institute of Technology, Kharagpur</p>
14:30-14:40	<p><b>Title:</b> Assessment of nutritional composition and antioxidant activities in foxtail millet</p> <p><b>Abha Rawat</b> Hemwati Nandan Bahuguna Garhwal University, Srinagar</p>
14:40-14:50	<p><b>Title:</b> Evaluation of Modified Indirect Solar Dryers' (MISDs) Performance for Sustainable Drying Colla Pulp Musa Balbisiana</p> <p><b>Titikha Machahary</b> Central Institute of Technology, Kokrajhar</p>
14:50-15:00	<p><b>Title:</b> Integrating Sustainable Agriculture and Livelihood Diversification for Rural Development in Himalayan Regions</p> <p><b>Pratibha Rawat</b> Hemwati Nandan Bahuguna Garhwal University, Srinagar</p>
15:00-15:10	<p><b>Title:</b> Effect of Processing techniques on In vitro Protein Digestibility, Antinutrients, and Functional Properties of Selected Plant-based Foods</p> <p><b>Doli Saikia</b> UPES, Dehradun</p>
15:10-15:20	<p><b>Title:</b> Tradition in Transition: Changing Cultural Practices of Baiga PVTG</p> <p><b>Sandesh Bandhu</b> Banaras Hindu University, Varanasi</p>
15:20-15:30	<p><b>Title:</b> Variation in auxin induced rooting response of tomato genotypes and its association with fruit yield</p> <p><b>Madhuchhanda Mishra</b> OUAT, Bhubaneswar</p>

15:30-15:40	<b>Title:</b> Financial Stability – A Pictorial Perception of Migratory Farmers <b>Sayan Sagnika Mohapatra</b> Sri Sri University, Cuttack
15:40-15:50	<b>Title:</b> Financial Stability – A Pictorial Perception of Migratory Farmers <b>Jagmohan Dalmia</b> Sri Sri University, Cuttack
15:50-16:00	<b>Title:</b> Evaluation of boldnut cashew ( <i>Anacardium occidentale</i> L.) genotypes for yield and quality attributes <b>Deepshikha Jena</b> OUAT, Bhubaneswar
16:00-16:10	<b>Title:</b> Nutritional Profiling Analysis in Amaranth Germplasm <b>Srija Priyadarsini</b> OUAT, Bhubaneswar
16:10-16:20	<b>Title:</b> Parametric Growth Modeling and Instability Analysis of Odisha's Ragi Area, Yield, and Production <b>Suraj Mallick</b> OUAT, Bhubaneswar
16:20-16:30	<b>Title:</b> Role of Interspecific Grafting in Modulating Flood Stress Tolerance in Tomato ( <i>Solanum lycopersicum</i> L.) <b>Madhusmita Bal</b> OUAT, Bhubaneswar
16:30-16:35	<b>Presentation Certificate Distribution</b>
16:35-17:00	<b>Tea Break (Registration Area)</b>
17:00-20:00	<b>Valedictory Ceremony, Award Distribution &amp; Cultural Program</b>
20:00-21:00	<b>Dinner</b>

**Note:**

- **PS:** Plenary/Keynote Session
- **Title:** Physical Oral Presentation
- **Title-V:** Virtual Oral Presentation
- **EP:** e-Poster
- **P:** Poster Presentation

Day-1 (Auditorium)		
	Session-1 (Pre-lunch)	Session-2 (Post-lunch)
<b>Chair</b>	<b>Prof. Tusar Kanti Behera</b> Director, ICAR-IIHR, Bengaluru	<b>Prof. Prasannajit Mishra</b> Dean, Extension Education OUAT, Bhubaneswar
<b>Co-Chair</b>	<b>Shri. Kalunge Gorakh Waman</b> Director, Directorate of Horticulture, Govt. of Odisha	<b>Dr. Sangeetha Ganesan</b> ICAR-IIHR, Bengaluru
<b>Rapporteur</b>	<b>Dr. Prativa Sahu</b> ICAR-IIWM, Bhubaneswar  <b>Dr. Dibya Sundar Kar</b> KVK, Dhenkanal, OUAT, Bhubaneswar	<b>Dr. Shantanu Rakshit</b> ICAR-IIHR-CHES, Bhubaneswar  <b>Ms. Babita Mishra</b> KVK, Jajpur, OUAT, Bhubaneswar

Day-1 (Auditorium)	
Parallel Session (Pre-lunch)	
<b>Chair</b>	<b>Prof. Niranjana Panda</b> Dean of Research, OUAT, Bhubaneswar
<b>Co-Chair</b>	<b>Dr. P. Srinivas</b> ICAR-IIHR-CHES, Bhubaneswar
<b>Rapporteur</b>	<b>Dr. Satyapriya Singh</b> ICAR-IIHR-CHES, Bhubaneswar  <b>Dr. Harekrushna Swain</b> BSI-ERC, Shillong

Day-2 (Auditorium)		
	Session-1 (Pre-lunch)	Session-2 (Post-lunch)
<b>Chair</b>	<b>Dr. Ajit Kumar Shasany</b> Director, CSIR-NBRI, Lucknow	<b>Dr. J.K. Sundaray</b> ICAR-CIFA, Bhubaneswar
<b>Co-Chair</b>	<b>Dr. R. Umamaheswari</b> ICAR-IIHR Bengaluru	<b>Dr. Ponnamm Naresh</b> ICAR-IIHR, Bengaluru
<b>Rapporteur</b>	<b>Dr. Raghu BR</b> ICAR-IIHR, Bengaluru  <b>Dr. Sanghamitra Pattanayak</b> KVK, Mayurbhanj, OUAT, Bhubaneswar	<b>Dr. Jotirmayee Lenka</b> ICAR-IISWC, RC, Sunabeda  <b>Dr. S. Mehar</b> KVK, Kandhamal, OUAT, Bhubaneswar

Day-2 e-Poster (Lecture Hall First Floor)	
Parallel Session (Pre-lunch)	
<b>Chair</b>	<b>Dr. Gobinda Chandra Acharya</b> Head, ICAR-IIHR-CHES, Bhubaneswar
<b>Co-Chair</b>	<b>Dr. Deepa Samant</b> ICAR-IIHR-CHES, Bhubaneswar
<b>Rapporteur</b>	<b>Dr. Koundinya A.V.V.</b> ICAR-IIHR-CHES, Bhubaneswar
	<b>Dr. Tanushree Sahoo</b> ICAR-IIHR-CHES, Bhubaneswar

Day-2 Poster Evaluation	
<b>Committee</b>	<ul style="list-style-type: none"> <li>• <b>Dr. Gobinda Acharya</b>, ICAR-IIHR-CHES, Bhubaneswar</li> <li>• <b>Dr. V.P. Sahi</b>, SHUATS, Prayagraj</li> <li>• <b>Dr. Deepa Samant</b>, ICAR-IIHR-CHES, Bhubaneswar</li> <li>• <b>Dr. Koundinya A.V.V.</b> ICAR-IIHR-CHES, Bhubaneswar</li> <li>• <b>Dr. Sauren Das</b>, ISI, Kolkata</li> <li>• <b>Dr. Harekrushna Swain</b>, BSI-ERC, Shillong</li> <li>• <b>Dr. Shantanu Rakshit</b>, ICAR-IIHR-CHES, Bhubaneswar</li> <li>• <b>Dr. Mahadevaiah C</b>, ICAR-IIHR, Bengaluru</li> </ul>

Day-3 (Auditorium)		
	Session-1 (Pre-lunch)	Session-2 (Post-lunch)
<b>Chair</b>	<b>Dr. P. Naveen Kumar</b> ICAR-IIHR, Bengaluru	<b>Dr. H. C. Prasanna</b> ICAR-IIHR, Bengaluru
<b>Co-Chair</b>	<b>Dr. S.K Palai</b> OUAT, Bhubaneswar	<b>Dr. Gobinda Chandra Acharya</b> ICAR-IIHR-CHES, Bhubaneswar
	<b>Dr. Mahadevaiah C</b> ICAR-IIHR, Bengaluru	<b>Dr. Deepa Samant</b> ICAR-IIHR-CHES, Bhubaneswar
<b>Rapporteur</b>	<b>Dr. Tanushree Sahoo</b> ICAR-IIHR-CHES, Bhubaneswar	<b>Dr. Koundinya A.V.V.</b> ICAR-IIHR-CHES, Bhubaneswar
	<b>Mr. Bishnupad Giri</b> KVK-Puri, OUAT, Bhubaneswar	<b>Ms. Tulasi Majhi</b> KVK-Kalahandi, OUAT, Bhubaneswar



# Society for Agricultural Research & Management

कृषि अनुसंधान और प्रबन्धन संस्थान



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