

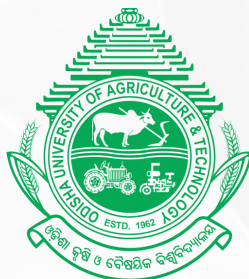


Technical Program

7th International Conference on

Agriculture for Food Security & Nutrition

 January 17-19, 2025  OUAT, Bhubaneswar, Odisha



 (Jointly organized by SARM & OUAT)



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Technical Program of
7th International Conference on Agriculture for Food Security & Nutrition- 2025
Jan 17-19, 2025, OUAT, Bhubaneswar

Day I (17 Jan 2025)

Inaugural Function

Time: 10.00 hrs to 11.30 hrs

Venue- Dr. M. S. Swaminathan Hall, OUAT

Time (Hrs)	Particular
09.00-10.00	Registration at Dr. M.S. Swaminathan Hall Lobby
10.00-11.30	Inaugural Function
11.30-12.00	Tea Break

Session Convener : Dr. (Mrs) M. Panda, Head, Dept. of English, CBSc &H (9437460742)
Session Co-ordinator : Dr. R Dash, OIC, AICRP on Weed Sc., OUAT (9777535224)
Rapporteurs : Dr. P. K Ratha, Dept. of Pathology, CVSc & AH
: Dr. A. Ghosh, Asst. Professor, Dept. of Agrometerology

Plenary Lecture

Time: 12.15 hrs-13.15 hrs

Venue- Dr. M. S. Swaminathan Hall, OUAT

- Dr. Trilochan Mohapatra, Chairman, PPVFRA, New Delhi - **Chairman**
- Dr. B.K. Das, Director, ICAR-CIFRI, Kolkata - **Co-Chairman**

Time (Hrs)	Name	Designation	Topic
12.00-12.15	Dr. Gyanendra Pratap Singh	Director, ICAR-NBPGR, New Delhi	Efforts of ICAR-NBPGR in managing pulses genetic resources in India
12.15-12.30	Dr. Sain Dass	Former Director, ICAR-IIMR, Ludhiana	Farmer prosperity through corn in Odisha
12.30-12.45	Dr. Shiv Kumar Agrawal	Regional Coordinator for South Asia and China and Head, Food Legumes Program ICARDA-India	Pulses for Sustainable Food Future under Changing Climate

Lunch @ College of Agri. Engg. & Tech.: 13.00 hrs- 14.15 hrs

Concluding Remark

Session Convener : Dr. R Dash, OIC, AICRP on Weed Sc., OUAT(9777535224)
Session Co-ordinator : Dr. Anshuman Nayak, Asst. Pof, Agronomy (7978253476)
Rapporteurs : Dr. K. Pradhan, OIC, AICRP on Groundnut
: Dr. (Mrs.) A Mohanty, OIC, AICRP on Bio-fertiliser



Technical Sessions



Concurrent Session –I (17 Jan 2025)

Time: 14.15 hrs -17.30 hrs

Venue-Dr. M. S. Swaminathan Hall, OUAT

Theme I- Sustainable Agriculture & Horticulture and Agrochemicals

- Dr. G. P. Singh, Director, ICAR-NBPGR, New Delhi - **Chairman**
- Prof. V. P. Sahi, Head, Dept. of Genetics & Plant Breeding, SHUATS, Prayagraj - **Co-Chairman**

Time (Hrs)	Name& Designation	Affiliation	Topic
14.15-14.30	Plenary Lecture Dr. G. Byju Director	ICAR-CTCRI, Thiruvananthapuram	Impact of climate change on food security
14.30-14.45 (V)	Plenary Lecture Dr. Ajit Kumar Shasany Director	CSIR-NBRI, Lucknow	Internal immunity in plants for biotic stress tolerance
14.45-15.00	Keynote Speaker Dr. M. Nedunchezhiyan Principal Scientist	ICAR-CTCRI (RC) Bhubaneswar	Value chain development in sweet potato
15.00-15.15	Keynote Speaker Dr. Samarendra Mahapatra Professor	OUAT, Bhubaneswar	Value Chain development of high value Agriculture towards food cum nutritional security
15.15-15.30	Invited Speaker Dr. Hanuman Lal Raiger Principal Scientist	ICAR-NBPGR, New Delhi	Mainstreaming of Traditional Potential Crops for Sustainable Nutrition Security in India
15.30-15.45	Invited Speaker Prof. Vaidurya P. Sahi Professor	SHUATS, Prayagraj	Crop diversity: A journey from Vedic texts to Genomics
15.45-16.00	Tea Break		
Oral Presentation			
Time (Hrs)	Presenter	Affiliation	Title
16.00-16.10	Dr. Padmavati G Gore	ICAR NBPGR, New Delhi	Insights into the genetic diversity of Pigeonpea germplasm conserved in the National Genebank
16.10-16.20	Dr Ranjeet Kumar Jha	IIT, Mandi	Self-Sufficient farming approach: Adaptability with scientific validation
16.20-16.30	Prof. Lalit Vashista	Divya Envitec Pvt Ltd / MG University	Advancing Agriculture, Aquaculture, and Horticulture with Nanobubble Technology
16.30-16.40	Dr. Sandeep Sehgal	SKUAST-Jammu	Agroforestry practices in the North Western Himalayas: options for tree management
16.40-16.50	Dr. Harekrushna Swain	BSI-ERC, Shillong	Chemical composition and bioactivity of essential oils of Hypericum spp. from wild populations in Northeast India
16.50-17.00	Dr. Prasant Kumar Panda	OUAT, Bhubaneswar	Efficacy of new generation post emergence herbicides in pigeonpea (<i>Cajanus cajan</i>)
17.00	Group Photo		

Hi-Tea - 17.00 hrs

Concluding Remark

Session Convener : Dr. A Das, SS & H, KVK, OUAT, Kendrapara (8895417939)

Session Co-ordinator: Dr. A Kar, Asst Prof, Entomology, CA, OUAT (8895558732)

Rapporteurs : Dr. M. R.Nayak, Asst. Prof., College of Forestry

: Dr. (Mrs.) L Biswal, Asst. Prof., CA, OUAT



Time: 15.15 hrs -17.30 hrs

Venue- Biju Patnaik Hall, OUAT

Theme: Sustainable Agriculture & Horticulture and Biofertilizers

- Dr. G. Byju, Director, ICAR-CTCRI, Thiruvananthapuram - **Chairman**
- Dr. Sain Dass, Former Director, ICAR-IIMR, Ludhiana - **Co-Chairman**

Time (Hrs)	Presenter	Affiliation	Title
15.50-16.00	Minakshi Padhi	BHU, Varnasi	Effect of gamma irradiation on flowering attributes and characterization of induced mutant as per DUS in gladiolus
16.00-16.10	Pratik Kumar Shasany	CSIR - CIMAP, Lucknow	Influence of planting methods and nitrogen levels on the growth yield and quality parameters of Menthol mint (<i>Mentha arvensis</i> L. var. CIM-Unnati)
16.10-16.20 (V)	Dimple Kamboj	PAU, Ludhiana	Nitrogen management practices in conjunction with farmyard manure improves soil properties and fruit yield of chilli (<i>Capsicum annuum</i> L.)
16.20-16.30 (V)	Kamalpreet Singh	Punjabi University, Patiala	Regional Disparities in Wheat Cropping Patterns in Himachal Pradesh: A Path Towards Sustainable Agriculture
16.30-16.40	Rinky Reshma Panda	ICAR-IARI, New Delhi	Harnessing the Potential of Wild Lathyrus species to Enhance Grasspea (<i>Lathyrus sativus</i> L.) Crop Improvement
16.40-16.50	Nalla Sandeep	SHUATS, Prayagraj	Floral biology reveals mechanisms underlying species specific pollination in Buckwheat (<i>Fagopyrum</i> spp)
16.50-17.00 (V)	Pashupati Nath Singh	BHU, Varnasi	Assessing Climate Change Impacts on Tomato Production in Central India: Process-Based Yield Simulations for Mid- and Far-Future Scenarios
17.00-17.10 (V)	Rahul Jitendra Janephalkar	IBT, MGMU, Chhatrapathi nagar	In vitro studies on Micropagation and Validation of Genetic fidelity and Biochemical assessment of Butea Monosperma (Palash)
17.10-17.20 (V)	Hemamalini P	ICAR- IIHR, Bengaluru	Leveraging Generative AI for Predictive Stress Response in Tomato Cultivation: An Advanced Climate-Smart Agriculture Framework
17.20-17.30	Noor Fatima	Aligarh Muslim University	Biological control of root-rot disease in Mungbean by <i>Trichoderma</i> spp.
17.30	Group Photo		

Hi-Tea - 17.30 hrs

Concluding Remark

Session Convener : Dr. M Mohanty, Nodal officer, ICAR Cell (8144031081)

Session Co-ordinator: Dr. Harekrushna Swain, Executive Member, SARM (7848815492)

Rapporteurs : Dr. Ipsita Kar, Asst. Prof., Dept. of Agronomy, OUAT

: Dr. S. Dwibedi, Scientist (Agri. Eng.), KVK Nayagarh



Technical Sessions

Day-II, Concurrent Session –I (18 Jan 2025)

Time:09.30 hrs -13.00 hrs

Venue- Dr. M. S. Swaminathan Hall, OUAT

Theme: Sustainable Agriculture & Horticulture and Food Security & Nutrition

- Dr. J.K. Sundaray, Principal Scientist, ICAR-CIFA, Bhubaneswar - **Chairman**
- Dr. Samarendra Mahapatra, Former Head, Dept. of ABM, OUAT, Bhubaneswar - **Co-Chairman**

Time (Hrs)	Name & Designation	Affiliation	Topic
9.30-9.50 (V)	Plenary Speaker Prof. Robert Henry	University of Queensland, Australia	New opportunities to diversify agriculture by de novo domestication
9.50-10.05 (V)	Keynote Speaker Dr. Madhugiri Nageswara-Rao	USDA-ARS, USA	The Critical Role of the Subtropical Horticulture Research Station in USDA-ARS National Plant Germplasm System
10.05-10.20	Special Talk Dr. Kishor Kumar Behera	ICARDA, India	Innovating pulse seed system: A community-based model for empowering smallholder farmers in Odisha
10.20-10.35	Keynote Speaker Dr. Raghav Goyal	Louisiana State University, USA	Extreme Climate Events and Agricultural Commodity Markets
10.35-10.50	Special Talk NABARD, RO, Odisha	NABARD, Bhubaneswar	TBA
Oral Presentation			
Time (Hrs)	Presenter	Affiliation	Title
10.50-11.00	Dr. Om Prakash Gupta	ICAR-IIWB, Karnal	A Multifaceted Analysis: Unveiling the Complexities of Wheat Genotype, Fortification, and Processing on Iron and Zinc Bioavailability in whole wheat flour and chapati
11.00-11.10	Dr. Hanume Gowda K	ICAR-CTCRI (RC) Bhubaneswar	Biochemical diversity analysis and selection of nutritional-rich genotypes through HCA, EFA, MGIDI and multivariate analysis in potato (Solanum)
11.00-11.20	Tea Break		
11.20-11.30	Dr. Vinod K. Mohan	KVK Faridabad, CCSHAU	Cluster Front Line Demonstrations (CFLDs) impact in summer green gram production in Faridabad district of Haryana, India
11.30-11.40	Dr. Hirdayesh Anuragi	ICAR-CAFRI, Jhansi	Shade stress exhibited leaf and root adaptation affecting physiological mechanisms and gene expressions in Mung bean (<i>Vigna radiata</i> L.)
11.40-11.50 (V)	Dr. Routu Saritha	ANGRAU, RARS, Anakapalle	Studies on potentiality of botanicals for eco-friendly storage of Sesame seed



11.50-12.00 (V)	Dr. Jyoti Kumar	ICAR RCER, Patna	Antimicrobial resistance and molecular detection of extended-spectrum β -lactamases among <i>Escherichia coli</i> isolated from dairy cow and their surrounding environment
12.00-12.10 (V)	Dr. Sudhir Kumar Rajpoot	IAS-BHU, Varnasi	Carbon credit potential of different land use systems in Vindhyan region of Eastern Uttar Pradesh
12.10-12.20	Dr. CD. Chitrotpala Devadarshini	OUAT, Bhubaneswar	Development of value-added products by incorporating millets for nutrition security
12.20-12.30	Dr. Debadatta Sethi	OUAT, Bhubaneswar	Response of raikia bean to inoculation of native rhizobia under North Eastern Ghat Zone of Odisha
12.30-12.40	Dr. Ramesh Chandra Nayak	SIT, Bhubaneswar	A novel irrigation system for farming towards environmental sustainability in India
12.40-12.50	Dr. Vijay Bahadur Singh Chauhan	ICAR-CTCRI (RC), Bhubaneswar	High-throughput in vitro propagation, Genetic Fidelity, Biochemical Analysis and Anticancer Activity of Anthocyanin Rich Purple Flesh Sweet Potato var. 'Bhu Krishna'
12.50-12.55	Group Photo		

Lunch @ College of Agri. Engg. & Tech.: 13.00 hrs -14.00 hrs

Concluding Remark

Session Convener : Dr. Sarbani Das, JDE, Directorate of Extension, OUAT(9437162827)

Session Co-ordinator: Dr. Sukant Kumar Pradhan, Head, Bioinformatics, OUAT (8093042622)

Rapporteurs : Dr. (Mrs.) C Devadarsini, Asst. Prof., College of Community Science

: Dr. Ritun Patra, Asst. Prof, CVSc & AH



Post Lunch, Day-II, Concurrent Session –I (18 Jan 2025)

Time:14.15 hrs -16.05 hrs

Venue- Dr. M. S. Swaminathan Hall, OUAT

Theme: Sustainable Agriculture & Horticulture and Food Security & Nutrition

- Prof. Kailash Ch. Samal, Dean, College of Horticulture & Agriculture, OUAT, Chiplima - **Chairman**
- Dr. Sandeep Sehgal, SKUAST-Jammu – **Co-Chairman**

14.15-14.25	Dr. S. K. Raul	OUAT, Bhubaneswar	Transforming Watersheds from Grey to Green: A REWARD Initiative
14.25-14.35	Dr. Minati Mohapatra	OUAT, Bhubaneswar	Encapsulation of Anthocyanins from Jamun Pomace Extract
14.35-14.45	Dr. Abhiram Dash	OUAT, Bhubaneswar	A Comparative study of ARIMA, ANN and their Hybrid technology for forecasting green gram production in Odisha
14.45-14.55	Dr. Suchismita Jena	OUAT, Bhubaneswar	Heterosis in Papaya (<i>Carica papaya</i> L.): Impact on Fruit Yield and Quality Attributes
14.55-15.05	Dr. Anita Mahapatra	OUAT, Bhubaneswar	Effect of Weed Management on yield and economics of Sunflower under Modified Spacing in coastal plain zone of Odisha.
15.05-15.15	Dr. Satyabrata Mangaraj	KVK (OUAT), Subarnapur	Assessment of indigenous aromatic rice varieties for higher profitability
15.15-15.35	Tea Break		
15.35-15.45	Dr. Meenakhi Prusty	OUAT, Bhubaneswar	Evaluation of sulphur sources in groundnut in Mid-central table land zone of Odisha
15.45-15.55	Dr. Debiprasad Dash	KVK (OUAT), Malkangiri	Sustainable agriculture's use of indigenous practices and plant nutrients in relation to pests, food quality, and marketability
15.55-16.05	Dr. Jhunilata Bhuyan	OUAT, Bhubaneswar	Growth performance Aseel Kadaknath breed of poultry in Mayurbhanj district of Odisha
16.05-16.15	Dr. Sumita Acharya	OUAT, Bhubaneswar	Elevating Farmers' Livelihoods: A Strategy for Doubling Income through KVK Interventions in Integrated Farming Systems in Puri District, Odisha
16.15-16.25	Dr. Jayashree Kar	OUAT, Bhubaneswar	Genetic variability and character association in pre-release hybrids of sunflower (<i>Helianthus annuus</i> L.)
16.25-16.35	Dr. Pravas Ranjan Sahoo	OUAT, Bhubaneswar	Insilco discovery of potential drug compounds against DNA polymerase of Lumpy Skin Disease (LSD) virus in Cattle
16.35-16.45	Dr. Kumari Shweta	OUAT, Bhubaneswar	Constraints Faced in Credit Management by the Goat Rearers of Mayurbhanj District of Odisha
16.45-17.00	Dr. Lipismita Samal	OUAT, Bhubaneswar	Effects of dietary supplementation of drumstick (<i>Moringa oleifera</i>) leaf meal on the performance of Hansli cross chickens
17.00-17.10	Dr. Annushree	OUAT, Bhubaneswar	Aetiopathology, haemato-biochemical and imaging studies of renal disorders in dogs

Hi-Tea - 17.10 hrs

Concluding Remark

Session Convener :Dr. S Mohapatra, Executive member, SARM (9437082192)

Session Co-ordinator : Dr. S Palei, Asst. Prof, CVSc & AH

Rapporteurs : Dr. M Prusty, Asst. Prof., Dept. of Soil Science, OUAT

: Dr. Rajshree Khatua, Asst. Prof, CA, Bhubaneswar



Time:14.15 hrs -17.20 hrs

Venue- Biju Patnaik Hall, OUAT

Theme: Sustainable Agriculture & Horticulture, Food Security & Nutrition

- **Prof. Bijoy Kumar Sahoo**, Executive Member, SARM- **Chairman**
- **Prof. Sanjay Ku. Dash**, Dean CAET & College of Forestry, OUAT, Bhubaneswar-
Co-Chairman

Time (Hrs)	Presenter	Affiliation	Title
14.00-14.10	Gajanan J Solunke	East West Seed India	Extraction of charantin, an antidiabetic molecule in bitter gourd and quantification by reverse phase high performance liquid chromatography
14.10-14.20 (V)	Sugavaneshwaran Kannan	ICAR-IARI, New Delhi	Optical Remote sensing for estimation of Paddy area in Nagapattinam district of Tamil Nadu.
14.20-14.30 (V)	Abithaa P	ICAR-IARI, New Delhi	Nano DAP in Action: A Field-Based Study on Wheat Growth and Yield Enhancement
14.30-14.40 (V)	Pranjal L Pachbiye	IIM Visakhapatnam	Development of CNN-Based Regression Model for Multi-Trait Prediction in Dwarf Tomatoes Using RGB Images
14.40-14.50 (V)	Sridevi Tutika	JNTU, NIPHM, Hyderabad	Bio-prospects of Bacillus megaterium for Degradation of Selected Novel Pesticides
14.50-15.00	Rajesh Kumar Das	Shree Anna Abhiyan, Sundargarh	Revitalizing Rural Economies: The Role of Small Businesses in Driving Sustainable Development
15.00-15.10	Mahendra Kumar Nayak	Om Sterling Global University, Haryana	Social and Infrastructural Development of the Tribal Population in Koraput District of Odisha: A Case Study
15.10-15.20	Sipra Mohapatra	OUAT, Bhubaneswar	Age-dependent variations in carbon sequestration in mango orchards on alfisols in tropical climates

Tea Break: 15.20-15.40

Concluding Remark

Session Convener : Dr. T. R Sahoo, Scientist, KVK Kenderapada

Session Co-ordinator : Dr. Kuldeep Tripathy, Executive member, SARM

Rapporteurs : Dr. (Mrs.) P Kantheti, Asst. Prof, CCS, OUAT]

: Dr. (Mrs.) H Nayak, Asst. Prof, College of forestry



Day II (18 Jan 2025)

e-Poster Session

Time: 15.40 hrs-17.20 hrs

Venue: Biju Patnaik Hall, OUAT

- **Prof. Bijoy Kumar Sahoo**, Executive Member, SARM- **Chairman**
- **Prof. Sanjay Ku. Dash**, Dean CAET & College of Forestry, OUAT, Bhubaneswar-
Co-Chairman

Time	Name	Organization	Title
15.40-15.50	Thanga Lakshmi	Joy University	Studies on Quality of Dehydrated Shoe Flower Petals
15.50-16.00	Uma Maheshwari P	SRM University	Automated smart irrigation and fertilization using IoT
16.00-16.10	Rahul Choudhary	SHUATS, Prayagraj	Screening of Bread Wheat (<i>Triticum aestivum</i> L.) accessions grown in Prayagraj for climate resilience based on evaluation of heat tolerance indices.
16.10-16.20	Dixit Tagra	SHUATS, Prayagraj	Root studies in Lentil (<i>Lens culinaris</i> Medik.) genotypes reveal correlation between drought tolerance and root architecture
16.20-16.30	Samith D Panicker	SHUATS, Prayagraj	Pre-breeding selection in Barnyard Millet using Genetic diversity analysis based on phenotypic and statistical observation for Selection impact factor
16.30-16.40	Nitish Kumar	SHUATS, Prayagraj	Screening of <i>Setaria italica</i> and <i>Setaria viridis</i> for salt-tolerance at seedling stage
16.40-16.50	Ankita Kalra	UNL, USA	Multimodal Sensing for Early Detection of Crop Stress
16.50-17.00	Nidhi Kumari	Dr.P.D.K.V. Akola	Evaluation of turmeric genotypes for growth, yield and phyto-chemical parameters
17.00-17.10	Naresh Kumar	CCSHAU Hisar	Farmer's Perception About Direct Seeded Rice Adoption in Haryana
17.10-17.20	Mishak Rahul	Asian Institute of Technology	Intelligent Crop Circle: A Blockchain-Driven, IoT-Based, AI-Powered Sustainable Agriculture System

Hi-Tea - 17.20 hrs

Concluding Remark

Session Convener :Dr. U. K Behera, Asst. Prof, Seed Entomologist(9437202132)

Session Co-ordinator : Dr. Ipsita Kar, Asst. Prof., Dept. of Agronomy, OUAT

Rapporteurs : Dr. B P Mishra, Asst. Prof, CVSc & AH

: Dr. S. Dwibedi, Scientist (Agri. Eng.), KVK Nayagarh



Day- II (18 Jan 2025)

Poster Session

Time: 14.15 hrs-17.15 hrs

Venue: College of Agriculture, OUAT

Poster Judges:

- Dr. Sauren Das, Member, SARM
- Prof. Samarendra Mohapatra, Executive Member, SARM
- Dr. Harekrushna Swain, Executive Member, SARM
- Dr. Kuldeep Tripathi, Member, SARM

Sl	Presenter	Affiliation	Title
P1	Shresthaa Jagadev	OUAT, Bhubaneswar	Lotus seeds: Miraculous powerhouse of nutrients
P2	Monalisha Sahoo	Rama Devi Women's University	Unveiling the morphological features, nutritional composition, bioactive compound profiling, and quantitative assessment of secondary metabolites of <i>Curcuma angustifolia</i> Rhizome
P3	Siddhant Kumar	Plaksha University	Quantitative Assessment of Improvement in Soil Health with Biochar Application
P4	Bhupendra Singh Sisodia	bioRe Association Kasrawad	Economic Profitability of Organic Chickpea vs. Organic Wheat in the Cotton-based Production System in a Long-term Experimental Trial in India
P5	Manish Singh Chouhan	bioRe Association Kasrawad	Towards diverse climate-resilient cotton systems using short-duration intercrops in India
P6	Soumya Rai	OUAT, Bhubaneswar	Physiological evaluation of TNAU cotton cultures for drought stress
P7	Santoshi Priyadarshini Nishank	OUAT, Bhubaneswar	Patho-epidemiological studies of urinary tract infections in dogs
P8	Subhashree Samantaray	Palli Siksha Bhavana, Visva Bharati,	Effect of tillage and weed management on weed dynamics and productivity of blackgram in east and south eastern coastal plain zone of Odisha
P9	Keshika Gajbhiye	Plaksha University	To what extent are consumers in India willing to choose gene-edited food and what factors influence that decision?
P10	Nikita Mandala	OUAT, Bhubaneswar	Evaluation of fruit loading and post-harvest physiology of Bottle Gourd
P11	Dr. Mrs. Ritun Patra	OUAT, Bhubaneswar	Comparative Histological and Histochemical Analysis of Meat Quality in Hansli and Vencobb broiler Chickens
P12	Dr. Ipsita Odisi Priyadarsini Mishra	OUAT, Bhubaneswar	Pod borer severity in green gram & their management by newer insecticides – A newer approach for sustainable agriculture
P13	Sunil Kumar	CSIR-IMAP, Lucknow	Economics evaluation of Marigold (<i>Tagetes erecta</i> L.) intercropped with vegetables and essential oil-bearing crops
P14	Nidhi Pandey	SHUATS, Prayagraj	Effect of different smoke-water concentrations on germination and seedling parameters of buckwheat genotype PRB
P15	Dr. Tiryak Kumar Samant	KVK (OUAT), Angul	Effect of lime and biofertilisers on growth, yield and economics in Groundnut (<i>Arachis hypogaea</i> L)



P16	Dr. Narayan Bar	KVK(OUAT), Kandhamal	Effect of Integrated Nutrient Management on Growth, Yield Attributes, Yield and Economics of Groundnut (<i>Arachis hypogaea</i> L.) Grown under North Eastern Ghat Zone of Odisha
P17	Dr. Dwarika Mohan Das	Krishi Vigyan Kendra (OUAT), Jagatsinghpur	Impact of Drone-based Nano DAP Application for Increasing Greengram Yield
P18	Dr. Tapas Ranjan Sahoo	OUAT, Bhubaneswar	Effect of Secondary and micronutrient on yield and economics of groundnut in coastal Odisha
P19	Dr. Sasanka Lenka	Krishi Vigyan Kendra (OUAT), Nabarangpur	Combating the climatic hazards and nourishing the future population through Millets
P20	Tarini Prasad Das	OUAT, Bhubaneswar	Climate Smart Agriculture for Environmental Sustainability
P21	Kiran Sourav Das	OUAT, Bhubaneswar	Reinvigorating Sustainable Livelihoods for Inclusive Rural Development in India: Bridging Knowledge and Environmental Dynamics
P22	Jyotishree Anshuman	OUAT, Bhubaneswar	Shaping the Future of Farming: Next-Gen Tools, Products, and Smart Systems
P23	Asha kumara Sa	OUAT, Bhubaneswar	Cutting Edge Technologies on Biological Nitrogen Fixation in Legumes
P24	Prerana Sahu	OUAT, Bhubaneswar	Viral-Induced Genome Editing (VIGE): A Revolutionary Approach to Mitigate Enzymatic Browning in Potatoes
P25	Bhagyalaxmi Satapathy	OUAT, Bhubaneswar	Exploring Farmers' Awareness and Perceptions of Drone Technology in Agriculture in India: A Comprehensive Review of Opportunities, Challenges, and Implementation Strategies
P26	Dr. Manoj Kumar Rout	OUAT, Bhubaneswar	Studies on growth pattern and fruit body characteristics of <i>Pleurotus</i> spp. in east and south eastern coastal plains of Odisha
P27	Dr. Babita Mishra	Krishi Vigyan Kendra (OUAT), Jajpur	Cultivation of Annual Chrysanthemum: A climate resilient initiative to boost farmer's income
P28	Dr. Sunil Kumar Mohapatra	Krishi Vigyan Kendra (OUAT), Jajpur	Assessment of climate resilient triple disease resistant tomato varieties suitable for Jajpur district of Odisha
P29	Rakhi Biswal	OUAT, Bhubaneswar	Androgenesis and Biofortification: Pathway to Anthocyanin-Enriched Rice
P30	Soubhagya Laxmi Ray	OUAT, Bhubaneswar	Impact of Climate Change on Hydro-climatic Fluxes in the Kantamal Catchment of the Middle Mahanadi Basin
P31	Deviprasad Mishra	OUAT, Bhubaneswar	Genome Editing and Pangenome Analysis for Viral Disease Resistance in Potato
P32	Laxmipreeya Behera	OUAT, Bhubaneswar	Targeted Genome Editing of GW2, GS3 and GL7 for Enhanced Grain Yield and Quality in Rice
P33	Rakesh kumar Patra	OUAT, Bhubaneswar	Elucidating Genetic Pathways for Pericarp Pigmentation in Rice Using Genome Editing
P34	Prekshya Das	OUAT, Bhubaneswar	Effect of Establishment Methods and Organic Nutrient Management for enhancing yield and quality of finger millet for Nutritional Security
P35	Subhashree Bandita	OUAT, Bhubaneswar	Organic Nutrient Management On Productivity And Profitability Of System Of Millet Intensification Ragi-Toria Sequence For Sustainable Livelihood Of Tribal Farmers Of Odisha



P36	Arnab Rajkumar	OUAT, Bhubaneswar	New generation breeding techniques in potato for nutritional security
P37	Dr. Uttam Kumar Behera	OUAT, Bhubaneswar	Efficacy of novel insecticides against sucking pests in cotton
P38	Dr Monika Ray	OUAT, Bhubaneswar	Effect of time of sowing and environmental factors on incidence of wilt disease in chickpea
P39	Nikitasha Dash	OUAT, Bhubaneswar	Physico – Chemical Properties of Wild Jujube (<i>Ziziphus oenoplia</i> L.) Fruits as Influenced by Pre and Post Harvest Conditions
P40	Sheetal Mohapatra	OUAT, Bhubaneswar	Enhancing Arecanut Productivity through Integrated Nutrient Management and Strategic Intercropping
P41	Dr Lalita Kumar Mohanty	OUAT, Bhubaneswar	Integrated Weed Management Practices in Maize (<i>Zea mays</i> L.) for Higher Yield and Profitability under changing climatic Situation
P42	Asha Kumari Sa	OUAT, Bhubaneswar	Cutting Edge Technologies on Biological Nitrogen Fixation in Legumes
P43	Deviprasad Mishra	OUAT, Bhubaneswar	Genome Editing and Pangenome Analysis for Viral Disease Resistance in Potato
P44	Laxmipreeya Behera	OUAT, Bhubaneswar	Targeted Genome Editing of GW2, GS3 and GL7 for Enhanced Grain Yield and Quality in Rice
P45	Prerana Sahu	OUAT, Bhubaneswar	Viral-Induced Genome Editing (VIGE): A Revolutionary Approach to Mitigate Enzymatic Browning in Potatoes
P46	Rakesh Kumar Patra	OUAT, Bhubaneswar	Elucidating Genetic Pathways for Pericarp Pigmentation in Rice Using Genome Editing
P47	Bhagyalaxmi Sahu	OUAT, Bhubaneswar	SWOC analysis of ICT tools using dairy farmers in North Karnataka
P48	Dr. Bidyut Prava Mishra	OUAT, Bhubaneswar	Extraction and proteomic characterization of in-house derived gelatin from water buffalo hide and pig skins
P49	Subhashis Saren	OUAT, Bhubaneswar	Geo-spatial based crop suitability modelling of Sikharpur Micro-Watershed in Odagaon Block of Nayagarh District, Odisha
P50	Dr. Jyoti Rekha Patnaik	OUAT, Bhubaneswar	Scheduling irrigation with mulch under different sugarcane planting methods for enhancing yield and water productivity
P51	Priyanka Mohapatra	OUAT, Bhubaneswar	Geospatial modeling and analysis of groundwater recharge potential areas using GIS based AHP, Entropy, Fuzzy-AHP, and TOPSIS techniques in Bargarh Canal Command Area, India
P52	Sabyasachi Sahoo	Krishi Vigyan Kendra (OUAT), Deogarh	Effect of boron application through drone on growth, yield and economics of Sesamum sown in pre-rabi season
P53	Prerana Priyadarsini Choudhury	S'O'A Univerasity, Bhubaneswar	Response of different nutrient sources and secondary nutrients on irrigated mustard (<i>Brassica juncea</i> (L.) Czern and Coss) cv. NRC-HB-101 in South Eastern Coastal Plain Agro-Climatic Zone of Odisha



Technical Sessions

Day-III, Concurrent Session –I (19 Jan 2025)

Time: 09.30 hrs -13.40 hrs

Venue- Dr. M. S. Swaminathan Hall, OUAT

Theme: Sustainable Agriculture & Horticulture, and Livestock-based Sustainable Food System

- Prof. B.K Sahoo, Advisor, SOA University, Bhubaneswar - **Chairman**
- Dr. Kishor Kumar Behera, ICARDA, India- **Co-Chairman**

Time (Hrs)	Name & Designation	Affiliation	Topic
09.30-09.50 (V)	Plenary Speaker Prof. Srinivasa Rao Mentreddy	Alabama A&M University, USA	Low temperature plasma: An Emerging Green Technology for Seed Priming, Improving Plant Growth and Yield, and Food Safety
09.50-10.10 (V)	Plenary Speaker Prof. Baishnab Charan Tripathy	Sharda University, Noida	Overexpression of Sirohydrochlorin Ferrochelatase (AtSirB) Boosts Nitrogen Sulfur and Carbon Assimilation and Productivity in <i>Arabidopsis thaliana</i>
10.10-10.25	Keynote Speaker Dr. Arundhati Sasmal	OUAT, Bhubaneswar	Validation of botanical decoctions, concoctions and microbial consortia for pest management in crops under Natural Farming and Organic farming
10.25-10.40	Keynote Speaker Dr. Swapan K. Tripathy	OUAT, Bhubaneswar	Exploring arsenic tolerant and exclusion donors for use in rice breeding
10.40-10.55 (V)	Invited Speaker Dr. Deo Mishra	Bayer BioScience, Hyderabad	Crop Health Management for Sustainable Rice Farming
10.55-11.05	Tea Break		
11.05-11.20	Invited Speaker Dr. Sauren Das	Indian Statistical Institute, Kolkata	Multifaceted eco-physiological behaviors towards salt management in mangrove plants
11.20-11.35 (V)	Invited Speaker Dr. Raghunath Satpathy	G.M. University, Sambalpur	Prediction of phytochemicals against plant pathogens: A computational analysis
11.35-11.50	Invited Speaker Dr. Kuldeep Tripathi	ICAR-NBPGR, New Delhi	Utilization of Wild Vigna genetic resources in crop improvement
Oral Presentation			
Time (Hrs)	Presenter	Affiliation	Title
11.50-12.00	Dr. Abubakar Salihu	Modibbo Adama University Yola, Nigeria	Gender analysis of access to agricultural production technologies among farming households in Akko local Government area, Gombe State, Nigeria
12.00-12.10	Dr. Ahmed Aliyu Santuraki	Modibbo Adama University Yola, Nigeria	Effect of different concentrations of neem seed oil in the management of cucumber mosaic virus of pepper (<i>Capsicum annum</i> l.) under screenhouse condition
12.10-12.20	Priyanka Saha	ROSHNI- CWCSA	Augmenting dietary diversity through Homestead Garden integrated with Social Behaviour Change Communication led by community in rural areas in Odisha



12.20-12.30	Dr. Sujoita Purohit	Mohanlal Sukhadia University	Next-Generation Agriculture: A Leap Towards Sustainability and Resilience
12.30	Group Photograph		

Concluding Remark

Session Convener : Dr. S. K Nath, SS & H, KVK Ganjam-II (9437360866)

Session Co-ordinator : Dr. A K Sahoo, OIC, AICRP ON Palm, (7008510929)

Rapporteurs : Dr. S Pattanaik, scientist., KVK, Puri OUAT

: Dr. Tapan Ku Palei, Scientist, KVK Bolangir

Valedictory Function & Award Ceremony

Time: 12.30 hrs to 13.30 hrs

Venue- Dr. M. S. Swaminathan Hall, OUAT

Concluding Remark

Session Convener : Dr. Mrs. M Panda, CBSc &H(9437460742)

Session Co-ordinator : Dr. R Dash, AICRP on Weed, OUAT(9777535224)

Rapporteurs : Dr. P K Rath, Asst. Prof, CVSc & AH

: Dr. S Jena, Scientist, Agril. Extension

Lunch @ College of Agri. Engg. & Tech.: 13.30 hrs



AGRI 2025 VISION




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