

Scientific Program

2024



AGRI 2024 VISION

**6th International Conference on
Agriculture for Sustainable Development**
January 19-21, 2024, ICAR-National Rice Research Institute, Cuttack, Odisha

Organized by:



In collaboration with







Day-1 Jan 19, 2024
(Parallel Session-1) Venue: Main Hall



08:30-09:40	Registration	
09:40-09:50	Opening Ceremony, Candle Lighting	
09:50-10:15	SARM President's Opening Remarks: Dr. Arup Kumar Mukherjee Principal Scientist, ICAR-NRRI, Cuttack, India	
	Session Theme: Climate Resilience Agriculture <ul style="list-style-type: none"> • Chairman: Prof. Baishnab C. Tripathy, Distinguished Professor, Sharada University, Noida • Rapporteur: Dr. Md Shahid, Sr. Scientist, ICAR-NRRI, Cuttack 	
10:15- 10:35	PSV 1: Advancing sustainable agriculture through process-based crop modeling in the era of climate change Dr. Vangimalla Reddy Research Leader, USDA-ARS, ACSL, Beltsville, MA, USA	
10:35-10:45	Group Photo	
10:45-11:00	Coffee Break & Networking	Poster Area (Ground Floor)
11:00-11:20	PS 2: Sustainable Agricultural Intensification to Address Sustainable Development Goals: Current Status of Practices and Investments Prof. P.V. Vara Prasad Director, SIIIL, Kansas State University, Kansas, USA	
11:20- 11:40	PS 3: Genome engineering in rice for enhancing photosynthesis and yield Dr. MJ Baig Principal Scientist, ICAR-NRRI, Cuttack, India	
11:40- 12:00	PS 4: Feeding and Fueling the Future: Metabolic Engineering Approaches for Increasing Oil Yield and Climate Resiliency in Oilseed Crops Dr. Om Parkash Dhankher Professor, Crop Biotechnology, University of Massachusetts Amherst, USA	
12:00-12:20	PS 5: Nanobiotechnology-based Strategies for Enhanced Crop Stress Resilience Prof. Jason C. White Director, Connecticut Agricultural Experiment Station, Connecticut, USA	
12:20-12:40	PSV 6: TBA Dr. G.P. Singh Director, ICAR-National Bureau of Plant Genetic Resources, New Delhi, India	
12:40-13:00	PSV 7: Metabolic Engineering for Climate-resistant Agriculture Dr. Ajit Kumar Shasany Director, CSIR-National Botanical Research Institute, Lucknow, India	
13:00-13:10	Q & A Session	
13:10- 14:00	Lunch & Networking	Adjacent to Exhibition Area
14:00-14:20	Sponsored Session by: State Bank of India	
	Session Theme: Biotic and Abiotic Stress & Crop Productivity <ul style="list-style-type: none"> • Chairman: Dr. Sanghamitra Samantaray, Head, Crop Improvement Division ICAR-NRRI, Cuttack • Rapporteur: Dr. Anil Kumar C., Scientist, ICAR-NRRI, Cuttack 	
14:20-14:40	PSV 8: Histone variant H4.V: a gatekeeper to H4K5Ac marks and salt stress transcriptome Dr. P.V. Shivaprasad National Centre for Biological Sciences, TIFR, Bengaluru, India	
14:40- 15:00	PS 9: Abiotic stress management in plants: innate behaviors in Mangroves. Dr. Sauren Das Agricultural and Ecological Research Unit, IISR, Kolkata, India	
15:00-15:15	Title: Supply chain analysis of fruits and vegetables in Odisha: A case study in Kujang Block, Jagatsinghpur Dr. Sachidananda Swain ICAR-CIWA, Bhubaneswar, India	





15:15-15:30	Title: Edible Wild Fruits of North-Western Himalayas, India Dr. Sandeep Sehgal SKUAST-Jammu, India
15:30-15:45	Title: Strategies for Mitigating Arsenic Toxicity in Rice Cultivation: Assessing Amendments and Predictive Modeling for Safe Grain Production Dr. Rubina Khanam ICAR-NRRI, Cuttack, India
15:45-15:50	Q&A Session
15:50-16:10	Coffee Break & Networking Poster Area (Ground Floor)
16:10-16:30	Title: Strategic climate smart approaches in freshwater aquaculture: An empirical analysis Dr. Tanuja S. ICAR-CIWA, Bhubaneswar, India
16:30-16:45	Title: Dissecting Genetic Resistance of Wheat towards Plant-Parasitic Nematodes Prof. Shailendra Sharma Chaudhary Charan Singh University, Meerut, India
16:45-17:00	PSV 10: Potassium enriched biochar: A low cost green technology to enhance production of Litopenaeus vannamei (Boone, 1931) reared in inland saline water Dr. Vidya Shree Bharti ICAR-CIFE, Mumbai, India
17:00-17:10	Q & A Session
17:10-17:30	Closing Remarks & Certificate Distribution
18:00-19:00	Meeting & Award Ceremony
19:00-20:30	Folk Dance, Song, and Cultural Activities
20:00-21:00	Dinner

Day-1 Jan 19, 2024

Parallel Session-2

Subarnarekha Hall
(Second Floor)

Young Researcher Forum	
	Session Theme: Crop Protection and Management <ul style="list-style-type: none"> • Chairman: Dr. S D Mohapatra, Head, Crop Protection Division ICAR-NRRI, Cuttack • Rapporteur: Dr. Annamalai M, Scientist, ICAR-NRRI, Cuttack
14:00- 14:15	Title: Amaranthus viridis L. and Lantana camara L.: a study of their allelopathic effects on seed germination and early crop growth Ipsita Priyadarhsini Samal CUTM, Bhubaneswar, India
14:15-14:30	Title: Micropropagation of Limonium 'Misty Blue' based on in vitro floral reversion and their morpho- histological study Priyanka Raha University of Kalyani, Kalyani, India
14:30- 14:45	Title: Bacterial endophytes of wild rice and their potential for rice (Oryza sativa L.) plant growth promotion and showing defense response towards rice diseases Rupalin Jena ICAR-NRRI, Cuttack, India
14:45- 15:00	Title: Accelerated rejuvenation of paddy field through microbial interventions Jyotsna Mondal Maulana Abul Kalam Azad University of Technology, West Bengal, India
15:00- 15:30	Title (V): Palynological studies of different grape species for ascertaining their utilization in grape rootstock breeding Prabhanjan Rane ICAR-IARI, New Delhi, India





15:30-15:45	Title (V): Impact of Legume Residues and Nitrogen Levels on Soil Biological Dynamics in Zero-Till Maize Cropping System Ankala Sai kishore PJTSAU, Hyderabad, India	
15:45-15:50	Q&A Session	
15:50-16:10	Coffee Break & Networking	Poster Area (Ground Floor)
16:10- 16:25	Title (V): Study on Nutritional Diversity in Grasspea (Lathyrus sativus L.) Ramya KR ICAR-IARI, New Delhi, India	
16:25- 16:40	Title: Assessment of phenotypic variability under normal light and low light stress conditions in diverse rice genotypes Swगतिका Das ICAR-NRRI, Cuttack, India	





Day-1, Jan 19, 2024
Inaugural Ceremony (Exhibition & Auditorium)



Inauguration of AGRI VISION - 2024	
17:00- 17:10	Welcoming Hon'ble Chief Guest Dr. Tilak Raj Sharma , DDG (Crop Science), ICAR-New Delhi, Special Guest Prof. (Dr.) Rabinarayan Acharya , DG, CCRAS, Ministry of AYUSH, Govt. of India, New Delhi, and Guest of Honour Prof. Pravat Kumar Roul , Vice Chancellor, Odisha University of Agriculture and Technology, Bhubaneswar, Odisha to the Exhibition Area
17:10-17:40	Ribbon cutting and inauguration of Exhibition, and Stall visit along with Plantation Inaugural Ceremony of "AGRI VISION-2024"
17:40- 17:45	Welcoming the Guests from Exhibition area to MKCG Auditorium
17:45- 17:50	Welcoming the Guests on the dais <ul style="list-style-type: none"> • Chief Guest: Dr. Tilak Raj Sharma, DDG (Crop Science), ICAR-New Delhi • Special Guest: Prof. (Dr.) Rabinarayan Acharya, DG, CCRAS, Ministry of AYUSH, Govt. of India, New Delhi • Guest of Honour: Prof. Pravat Kumar Roul, Vice Chancellor, Odisha University of Agriculture and Technology, Bhubaneswar, Odisha • Chairman Organizing Committee: Dr. Amaresh Kumar Nayak, Director, ICAR-National Rice Research Institute, Cuttack, Odisha • Convenor: Dr. M.J. Baig, Principal Scientist and Head of Division Crop Physiology & Biochemistry, ICAR-National Rice Research Institute, Cuttack, Odisha • Program Director AGRI VISION- 2024: Er. Dibyanshu Prasad Das • President, SARM: Dr. Arup Kumar Mukherjee, Principal Scientist, ICAR-National Rice Research Institute, Cuttack, Odisha
17:50- 18:00	Lightening of lamp and Inauguration of AGRI VISION- 2024
18:00- 18:05	Welcome address by Convenor: Dr. M.J. Baig , Principal Scientist and Head of Division Crop Physiology & Biochemistry, ICAR-National Rice Research Institute, Cuttack, Odisha
18:05- 18:10	Presidential address by SARM President: Dr. Arup Kumar Mukherjee , Principal Scientist, ICAR-National Rice Research Institute, Cuttack, Odisha
18:10- 18:20	Address by Special Guest: Prof. (Dr.) Rabinarayan Acharya , DG, CCRAS, Ministry of AYUSH, Govt. of India, New Delhi
18:20- 18:30	Address by Guest of Honour: Prof. Pravat Kumar Roul , Vice Chancellor, Odisha University of Agriculture and Technology, Bhubaneswar, Odisha
AWARD CEREMONY	
18:30- 18:50	Dr. Norman Borlaug International Agri Leadership Award <ul style="list-style-type: none"> • Prof. Chittaranjan Kole Chairman, Prof. Chittarnjan Kole Foundation for Science and Society
	Dr. MS. Swaminathan Agri Excellence Award <ul style="list-style-type: none"> • Dr. Amaresh Kumar Nayak, Director, ICAR-National Rice Research Institute, Cuttack, Odisha • Prof. Pravat Kumar Roul, Vice Chancellor, Odisha University of Agriculture and Technology, Bhubaneswar, Odisha
	Distinguished Scientist Award <ul style="list-style-type: none"> • Dr. J.L.N. Sastry, Managing Partner, Jata's Ayurvedic Healthcare Systems, Kakinada, Andhra Pradesh and Former CEO, NMPB, Govt. of India • Dr. Gyanendra Pratap Singh, Director, ICAR- National Bureau of Plant Genetic Resources, New Delhi
	Padmashree Dr. Ajay Parida Memorial Lifetime Achievement Award <ul style="list-style-type: none"> • Prof. Rabinarayan Acharya, DG-CCRAS, Ministry of AYUSH, Govt of India • Dr. Jitendra Kumar Sundaray, Head, Division of Fish Genetics & Biotechnology, Principal Scientist, ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar • Felicitation to Guests and Cultural Troupes
18:50- 19:00	Address by Chief Guest: Dr. Tilak Raj Sharma , DDG (Crop Science), ICAR-New Delhi
19:00- 19:10	Address by Chairman Organizing Committee: Dr. Amaresh Kumar Nayak , Director, ICAR-National Rice Research Institute, Cuttack, Odisha
19:10- 19:15	Vote of Thanks: Er. Dibyanshu Prasad Das , Program Director AGRI VISION- 2024
19:15- 20:15	Cultural Program Sponsored by Dept. OLLC, Govt. of Odisha
20:15-21:00	Dinner and end of Day-1 Program





Day-2 Jan 20, 2024
(Parallel Session-1) Venue: Main Hall

08:30-09:40	Registration	
09:40-09:50	Opening Ceremony, Candle Lighting	
	<p>Session Theme: Plant Genomics, Crop Protection, Biodiversity and Conservation, Agri entrepreneurship</p> <ul style="list-style-type: none"> • Chairman: Dr. G A K Kumar, Head, Social Science Division, ICAR-NRRI, Cuttack • Co-Chair: Dr. Sauren Das, Indian Statistical Institute, Kolkata • Rapporteur: Dr. Sudipa Paul, Sr. Scientist, ICAR-NRRI, Cuttack 	
09:50- 10:15	<p>PSV 1: Genome Editing Potential to Transform Agriculture in India – What can scientists do to enhance the acceptance of this technology</p> <p>Dr. Channa S. Prakash Dean, College of Arts & Sciences, Tuskegee University, Alabama, USA</p>	
10:15- 10:35	<p>PSV 2: Subtropical and Tropical Ornamental Plants: Management, Characterization, and Genetic Improvement</p> <p>Dr. M. Nageswara-Rao Geneticist & Ornamental Project Lead, USDA-ARS, Miami, USA</p>	
10:35-10:45	Group Photo	
10:45-11:00	Coffee Break & Networking	Poster Area (Ground Floor)
11:00-11:20	<p>PS 3: TBA</p> <p>Dr. Mrutyunjay Mohapatra D.G.M., India Meteorological Department, Govt. of India, New Delhi</p>	
11:20-11:35	<p>PSV 4: Pathogen informed disease management strategies in crops for sustainable farming</p> <p>Dr. Deo Mishra Bayer BioScience Pvt Ltd, Hyderabad, India</p>	
11:35-11:50	<p>PS 5: Evolution and Application of Light-Dependent Protochlorophyllide Oxidoreductase Enzyme to Increase Photosynthesis and Plant Productivity</p> <p>Prof. B.C. Tripathy Professor & J C Bose National Fellow, JNTU, New Delhi, India</p>	
11:50-12:10	<p>PS 6: Plant exploration opportunity, germplasm collection in Indian Himalayan region for sustainable development</p> <p>Dr. Sudhanshu Sekhar Dash Scientist-F, Botanical Survey of India, Kolkata, India</p>	
12:10-12:25	<p>PS 7: TBA</p> <p>Prof. (Dr.) Tanuja M. Nesari Director, AIIA, New Delhi, India</p>	
12:25-12:40	<p>PS 8: Emerging Trends in Agricultural Marketing: Issues and Challenges</p> <p>Prof. Samarendra Mahapatra Former Professor & Head of Agri Business, OUAT, Bhubaneswar, India</p>	
12:40-12:55	<p>Title: Carbon footprint and aggregation of an alfisol in response to different tillage and maize (Zea mays L.)/COWPEA (Vigna unguiculata L.) intercrop</p> <p>Prof. Johnson Adesodun Ekiti State Polytechnic, Isan-Ekiti, Nigeria</p>	
12:55-13:10	<p>Title: Alternative management of queen pineapple (Ananas comosus Linn. Merr.) mealybug wilt disease in Camarines Norte, Philippines</p> <p>Dr. Arlene C. Alegre Camarines Norte State College, Philippines</p>	
13:10-13:15	Q & A Session	
13:15- 14:00	Lunch & Networking	Adjacent to Exhibition Area



	<p>Session Theme: Crop Production through Sustainable Agriculture</p> <ul style="list-style-type: none"> Chairman: Dr. Pratap Bhattacharyya, Head, Crop Production Division ICAR-NRRI, Cuttack Rapporteur: Dr. Sushmita Munda., Sr. Scientist, ICAR-NRRI, Cuttack
14:00-14:15	<p>Title: Exploring host plant resistance and biochemical responses in ARC genotypes against the rice leaffolder, Cnaphalocrocis medinalis Dr. Golive Prasanthi ICAR-National Rice Research Institute, Cuttack, India</p>
14:15-14:30	<p>PS 8: Value addition and entrepreneurship development in tuber crops Dr. M. Nedunchezhiyan ICAR-CTCRI, Bhubaneswar, India</p>
14:30-14:45	<p>Title (V): Rural women entrepreneurship through establishment of Custom Hiring Centres Er. Chaitrali Mhatre ICAR-CIWA, Bhubaneswar, India</p> 
14:45-15:00	<p>Title (V): Rural women: Conserving environment for sustainable environment Dr. Jyoti Nayak ICAR-CIWA, Bhubaneswar, India</p> 
15:00-15:15	<p>Title: Improving the quality of life of rural farm women through suitable agricultural interventions Dr. Laxmi Priya Sahoo ICAR-CIWA, Bhubaneswar, India</p>
15:15-15:30	<p>Title: Nutri-Greens: Super Food for Nutrition and Income Dr. Tania Seth ICAR-CIWA, Bhubaneswar, India</p>
15:30-15:45	<p>Title: Government Inspections and International Trade Mr. Ghanshyam Lal Vyas TUV Rheinland India Pvt. Ltd, Noida, India</p>
15:45-15:50	<p>Q&A Session</p>
15:50-16:10	<p>Coffee Break & Networking Poster Area (Ground Floor)</p>
16:10-16:25	<p>Title (V): What to grow? Unpacking factors shaping cropping decision: a village level study from Haridwar, Uttarakhand Dr. Divya Sharma Azim Premji University, Bengaluru, India</p> 
16:25-16:40	<p>Title: Enhancing Livelihoods through Module-based Interventions in Farmer-FIRST Programme: Impact of Seven-year Journey Dr. Biswajit Mondal ICAR-National Rice Research Institute, Cuttack, India</p>
16:40-16:55	<p>Title: Insights into Paddy Farmers' Price Safety-net through Micro-level Field Investigations Dr. Sudipta Paul ICAR-National Rice Research Institute, Cuttack, India</p>
16:55-17:10	<p>Title: Enhancing Soil Health and Sustainability: Comparative Analysis of Conservation Agriculture in Rice-Pulse Cropping Systems Dr. Sushmita Munda ICAR-National Rice Research Institute, Cuttack, India</p>
17:10-17:20	<p>Q&A Session</p>
17:25-17:35	<p>Closing Remarks & Certificate Distribution</p>

**Day-2 Jan 20, 2024****Parallel Session-2****Subarnarekha Hall
(Second Floor)**

Young Researcher Forum	
	Session Theme: Soil Health, Crop Management & Food Security <ul style="list-style-type: none">• Chairman: Dr. Biswajit Mondal, Principal Scientist, Social Science Division ICAR-NRRI, Cuttack• Rapporteur: Dr. Asit Kumar Pradhan, Scientist, ICAR-NRRI, Cuttack
12:00- 12:15	Title: Evaluation of fibre and vessel morphology in selected families of four <i>Corymbia taxa</i> for pulp and paper making Deepak Ranjan Sahoo Kerala Agricultural University, Thrissur
12:15- 12:30	Title: Sustainable Agriculture and Food Security: A Case Study of Osmanabad District in Maharashtra Ashwini Pandhare Tata Institute of Social Sciences, Tuljapur, India
12:30- 12:45	Title: A DNA-Gold Affinity-based electrochemical Assay for Amplification-Free Detection of <i>Leifsonia xyli</i> subsp. <i>xyli</i>, the Causal Agent of Sugarcane Ratoon Stunting Disease Moutoshi Chakraborty Griffith University, Nathan Campus, Queensland, Australia
12:45- 13:00	Title (V): Enhancing Precision in Wheat Crop Water Stress Index Quantification through Support Vector Regression Model Aditi Yadav Shiv Nadar University, Greater Noida, India 
13:00- 13:15	Title: Impact of e-NAM Adoption on Farmers in Lucknow District, UP: A Comprehensive Analysis Dr. Ashish Kumar Awasthi Maharishi University Information Technology, Lucknow, India
13:15- 14:00	Lunch & Networking Adjacent to Exhibition Area
14:00- 14:15	Title: Unveiling the Effects of Pendimethalin on <i>Zygomma bicolorata</i>: Exploring Biological Parameters and Oxidative Stress Response Neha Singh Aligarh Muslim University, Aligarh, India
14:15-14:30	Title: Impact of nutrient and irrigation management practices on productivity and quality of mango + pineapple agroforestry system Pujashree Mishra Odisha University of Agriculture and Technology, Bhubaneswar
14:30- 14:45	Title (V): Abundance of megachile pollinators on Cowpea during blooming period in Pantnagar Suman Kumari G. B. Pant University of Agriculture and Technology, Pantnagar, India 
14:45- 15:00	Title: To understand soil fertility A comparative study of different Trials Kamlesh Sharma bioRe Association, Kasrawad, India
15:00- 15:15	Title: Development of biodegradable antimicrobial nano-composite packaging material for shelf-life extension of perishable commodities Sakshi Gumber National Agri-Food Biotechnology Institute, Mohali, India
15:15- 15:30	Title (V): Automated Annotation and Segmentation of Horticultural Crop Images Using Segment Anything Model (SAM) and YOLOv8 Hemamalini P ICAR- Indian Institute of Horticultural Research, Bengaluru, India 





15:30- 15:45	Title (V): Effects of Intensive Farming on Land Management and Soil Health: Insights from Farmers in Telangana State, India Srinivas Katherasala Osmania University, Hyderabad, India	
15:45- 16:00	Title: In-Silico studies of Momordica charantia L. extract as a potential treatment against Alzheimer's Disease targeting Amyloid Beta Protein (3NYL). Sanjib Kumar Mohanty CUTM, Bhubaneshwar, India	
16:00-16:15	Coffee Break & Networking	Poster Area (Ground Floor)
16:15-16:30	Q&A Session	
16:30-16:40	Closing Remarks & Certificate Distribution	

POSTERS	
14:30-16:30	Titles
P-01	Title: Sowing sovereignty: The atmanirbhar clean plant program and India's self-reliant ecological future Anupama Kar State Bank Institute of Rural banking, Hyderabad, India
P-02	Title: From Cows to Capital: Revolutionizing Indian Dairy Economics with Credit Empowerment and Value Chain Breakthroughs Ajay Shashikant Mahajan State Bank Institute of Rural banking, Hyderabad, India
P-03	Title: Assessing the impact of ARC genotypes on the fecundity and survival of rice leaffolder, Cnaphalocrocis medinalis Soumya Shephalika Dash ICAR-National Rice Research Institute, Cuttack, India
P-04	Title: Valorization of lignocellulosic biomass Banana peel to high value-added biopolymer through a sustainable thermochemical extraction process Renupama Bhoi National Institute of Technology, Rourkela, India
P-05	Title: Novel insights into rice innate immunity against bacterial leaf blight Soumyashree Purohit ICAR-NRRI, Cuttack, India
P-06	Title: Comparative Analysis of Polyhalite-Based Nitrogenous Fertilizer and Urea: Impact on Rice Growth, Nitrogen Uptake, and Utilization Efficiency Anisha Mohapatra ICAR-National Rice Research Institute, Cuttack, India
P-07	Title: Assessment of Steel Slag-Based Amendments for mitigating Arsenic Contamination in Green Gram (Vigna radiata) Cultivation Kashyapi Kamalini ICAR-National Rice Research Institute, Cuttack, India
P-08	Title: Effect of pest management on American bollworm in different cotton farming systems Manish Chouhan bioRe Association, Kasrawad, India
P-09	Title: Arsenic Speciation in Grain of Rice Genotypes Grown in Arsenic Contaminated Soil Sumanjeet Panigrahi ICAR-National Rice Research Institute, Cuttack, India
P-10	Title: Microbial Inoculants as a Promising Green Approach for Remediation of Pesticide Contaminated Agricultural Soils and Plant Growth Promotion Navpreet Kaur Amity University, Noida, India





P-11	<p>Title: Marker Assisted Resistance gene pyramiding for Sheath Blight and BPH into Improved CRRI Gourav (CR Dhan 316) Ashish Mohanty Visva-Bharati University, Santiniketan, India</p>
P-12	<p>Title: Biofortification of rice: A sustainable strategy to address malnutrition and to ensure Nutritional security in India Kabita Mishra Bidhan Chandra Krishi Viswavidyalaya, Nadia, India</p>
P-13	<p>Title: Dietary Potential of Bamboo: Exploring Nutritional Benefits for Both Animals and Humans Santwana Samilita Dash CUTM, Bhubaneswar, India</p>
P-14	<p>Title: Impact of Herbicides on Growth of Amur Carp Lopamudra saho CUTM, Bhubaneswar, India</p>
P-14	<p>Title: Identification of efficient rice genotypes with superior morpho physiological traits to maximize yield potential Babyrani Panda ICAR-NRRI, Cuttack, India</p>
P-15	<p>Title: Expression study of putative candidate genes for BPH resistance in the landrace Salkathi using BILs (Backcross inbred lines in rice). Priti Pattnaik ICAR-NRRI, Cuttack, India</p>
P-16	<p>Title: Organic farming Subarna Nayak BJB Autonomous College, Bhubaneswar, India</p>
P-17	<p>Title: Marker assisted genetic improvement of Kalajeera: a short grained aromatic rice (O. sativa L.) landrace from Odisha Soumya Suravita Mishra Utkal University, Bhubaneswar, India</p>
P-18	<p>Title: Appropriate Barcoding gene Responsible for Detection of Malaria Parasite Arpita Arsmika Sahu CUTM, Bhubaneswar, India</p>
P-19	<p>Title: Black turmeric: Therapeutic value of an endangered species and its role in modern medicine B. Jyotirmayee CUTM, Bhubaneswar, India</p>
P-20	<p>Title: Phytochemical and nutritional profile examination of wild food plants consumed by Koraput district indigenous peoples Sameer Jena CUTM, Bhubaneswar, India</p>
P-21	<p>Title: Crop Enhancement by Managing the Industrial Waste through Vermicomposting for a Sustainable Agricultural Practice Purbasha Priyadarshini CUTM, Bhubaneswar, India</p>
P-22	<p>Title: Contract Farming Sradhanjali Barik BJB Autonomous College, Bhubaneswar, India</p>
P-23	<p>Title: Agro Chemical and Bio Fertilizer for Future Himanshu Mallick BJB Autonomous College, Bhubaneswar, India</p>
P-24	<p>Title: Agri Rural Banking and Policies Soumya Ranjan Moharana BJB Autonomous College, Bhubaneswar, India</p>
P-25	<p>Title: Human and wild-life conflicts Ankita Samal BJB Autonomous College, Bhubaneswar, India</p>
P-26	<p>Title: Millet for Nutrition and Climate Action: A Nexus of sustainable Agriculture and public health Rajalaxmi Jena BJB Autonomous College, Bhubaneswar, India</p>





P-27	Title: New Generation Cooperatives (Entrepreneurs): A More Agribusiness Approach in India Ritu Anandini Kanhar BJB Autonomous College, Bhubaneswar, India
P-28	Title: Different milling time of rice influence the iron and zinc content in grain Dr. Torit Baran Bagchi ICAR-NRRI, Cuttack, India
P-29	Title: Effects of Steel Slag-Based Products on rice growth and yield under acidic soil Shraddha Saha ICAR-National Rice Research Institute, Cuttack, India
P-30	Title: Varietal Screening Of Red Rice Genotypes against rice leaffolder, Cnaphalocrocis medinalis (Guenee) (Pyralidae: Lepidoptera) in field conditions P. Bhavana ICAR-National Rice Research Institute, Cuttack, India
P-31	Title: SWEET gene and Bacterial blight resistance Aiswarya Priyadarsini ICAR-National Rice Research Institute, Cuttack, India
P-32	Title: Calibration and validation of DSSAT crop model for rice-rice sequence under long term fertility experiment Banabasini Mohanty ICAR-National Rice Research Institute, Cuttack, India
P-32	Title: Assessment of Soil Organic Carbon and related Microbial parameters under Rice cultivation of Saline- Coastal Belt, Odisha Manimala Mahato ICAR-National Rice Research Institute, Cuttack, India
P-33	Title: Studies on the effect of Nickel heavy metal of Odisha on some selected Fabaceous plants Pratyasha Mohanty CUTM, Bhubaneswar, India
P-34	Title: Genetic divergence studies in maize germplasm (Zea mays L.) Aakaas Dash CUTM, Paralakhemundi, India
P-35	Title: Interspecies Cyanobacteria Diversity In Azolla and Cross Inoculation To Assess Potential For Nitrogen Fixation Kasturee Mahapatra ICAR-NRRI, Cuttack, India

Poster Evaluators:

- **Dr. P C Rath**, Principal Scientist, Crop Protection Division, Chairman
- **Dr. R L Verma**, Sr. Scientist, Crop Improvement Division, Member
- **Dr. Sauren Das**, Sr. Scientist, Indian Statistical Institute, Kolkata
- **Prof. Samarendra Mahapatra**, Former Head, Dept. of Agri Business, OUAT, Bhubaneswar



**e-Poster Session @ Mahanadi Hall (Ground Floor)**

14:30-16:00	Titles (10 min. each, Max 2 Slides/Pages)
EP-01	Title: Productivity, Profitability and Quality of bread wheat as influenced by Natural farming, Organic farming and varied NPK doses in irrigated ecosystem of Uttarakhand Dr. Himanshu Verma Surajmal University, Kichha, U S Nagar, Uttarakhand, India
EP-02	Title: Agricultural prospective of Keonjhar District, Odisha: An introspection Ananya Sankhua Amrita University, Coimbatore
EP-03	Title: Evaluation of bioefficacy, phytotoxicity of newer insecticides and biopesticides against diamondback moth, Plutella xylostella on broccoli Hariharan. S PJ TSAU, Hyderabad, India
EP-04	Title: Unleashing the Potential of Functional Genomics for Sustainable Agriculture Yashaswini R University of Agricultural Sciences, Raichur, India
EP-05	Title: Somatic Embryogenesis in Grapes Dr. Supriya Babasaheb Aglawe SR University, Warangal, India
EP-06	Title: Harvesting Hope: Examining the Socio-Economic Impact of Rural Agri-Entrepreneurship Ventures Dr. Ashok Todmal MIT College of Management, MIT ADT University, Pune, India
EP-07	Title: Characterization of Biological nitrification inhibition (BNI) Potential in Indian Rice Subhra Parija ICAR-NRRI, Cuttack, India

Poster Evaluators:

- **Dr. Awadhesh Kumar**, Sr. Scientist, Crop Physiology & Biochemistry Division, ICAR-NRRI, Cuttack
- **Dr. Rameswar Prasad Sah**, Sr. Scientist, Sr. Scientist, Crop Physiology & Biochemistry Division, ICAR-NRRI, Cuttack

Session @ Farmer's Area: Near Exhibition Hall

11:00- 15:30

Farmer Interaction Session



Day-2, Jan 20, 2024
(Meeting & Felicitation)

17:00- 17:20	Welcoming Hon'ble Chief Guest Dr. Mrutyunjay Mohapatra , DGM, India Meteorological Department, Government of India, New Delhi and Guest of Honour Shri. Sudhi Ranjan Mishra , Head, Corporate Affairs, Paradeep Phospates Limited, Bhubaneswar, Odisha to the Exhibition Area for Stall visit
17:20-17:30	Plantation by Chief Guest and Guest of Honour
17:30- 17:35	Welcoming the Guests from Exhibition area to MKCG Auditorium
17:35- 17:40	Welcoming the Guests on the dais <ul style="list-style-type: none"> • Chief Guest: Dr. Mrutyunjay Mohapatra, DGM, India Meteorological Department, Government of India, New Delhi • Guest of Honour: Shri. Sudhi Ranjan Mishra, Head, Corporate Affairs, Paradeep Phospates Limited, Bhubaneswar • Chairman Organizing Committee: Dr. Amaresh Kumar Nayak, Director, ICAR-National Rice Research Institute, Cuttack, Odisha • Convenor: Dr. M.J. Baig, Principal Scientist and Head of Division Crop Physiology & Biochemistry, ICAR-National Rice Research Institute, Cuttack, Odisha • Program Director AGRI VISION- 2024: Er. Dibyanshu Prasad Das
17:40- 17:45	Lightening of lamp
17:45- 17:50	Welcome Address by Convenor: Dr. M.J. Baig , Principal Scientist and Head of Division Crop Physiology & Biochemistry, ICAR-National Rice Research Institute, Cuttack, Odisha
17:50- 18:00	Address by Guest of Honour: Shri. Sudhi Ranjan Mishra , Head, Corporate Affairs, Paradeep Phospates Limited, Bhubaneswar
AWARD CEREMONY	
18:00- 18:15	<ul style="list-style-type: none"> • Academic and Business Awards
	Dr. Sabuj Sahoo Memorial Lifetime Achievement Award <ul style="list-style-type: none"> • Dr. Sharat Kumar Pradhan, ADG (FFC), ICAR-New Delhi • Prof. Dr. Tanuja Manoj Nesari, Director, All India Institute of Ayurveda, New Delhi • Dr. Bijoy Kumar Sahoo, Former Dean, IAS and Adviser S'O'A University, Bhubaneswar, Odisha <ul style="list-style-type: none"> • Felicitation to Guests and Cultural Troupes
18:15- 18:25	Address by Chief Guest: Dr. Mrutyunjay Mohapatra , DGM, India Meteorological Department, Government of India, New Delhi
18:25- 18:30	Address by Chairman Organizing Committee: Dr. Amaresh Kumar Nayak , Director, ICAR-National Rice Research Institute, Cuttack, Odisha
18:30- 18:35	Vote of Thanks: Er. Dibyanshu Prasad Das , Program Director AGRI VISION-2024
18:45- 20:00	Cultural Program Sponsored by Dept. OLLC, Govt. of Odisha
20:00- 21:00	Dinner and end of Day-2 Program





Day-3
Jan 21, 2024 (Auditorium)

08:30-09:30	Registration
09:30-09:40	Opening Ceremony, Candle Lightning
09:40-09:50	Opening Remarks, and Session Introduction
	Session Theme: Plant and Animal Genomics & Ethnobotany <ul style="list-style-type: none"> • Chairman: Dr. A K Mukherjee, Principal Scientist, Crop Protection Division, ICAR-NRRI, Cuttack • Co-Chair: Dr. Sarada Prasanna Sahoo, Director, CCBF, Chiplima, Govt. of India • Rapporteur: Dr. N B Patil, Sr. Scientist, ICAR-NRRI, Cuttack
09:50-10:15	PS 1: Trichoderma: Basic biology meets applications Prof. Prasun Mukherjee Former Head, Nuclear Agriculture and Biotechnology Division, BARC, Mumbai, India
10:15- 10:35	PSV 2: Genetic improvement of crops to balance the needs of food security and climate change Prof. Robert Henry University of Queensland, Brisbane, Australia
10:35-10:45	Group Photo
10:45-11:00	Coffee Break & Networking Poster Area (Ground Floor)
11:00-11:20	PSV 3: Genome Editing of Banana for Disease Resistance Dr. Leena Tripathi International Institute of Tropical Agriculture (IITA), Nairobi, Kenya
11:20-11:35	Title: Estimation of Water Requirement of Turfgrass under Wastewater Irrigation in the Semi-Arid Climatic Condition of India Dr. D.S. Gurjar WTC, ICAR-IARI, New Delhi, India
11:35-11:50	PS 5: Exploration of Argemone mexicana plant through RNA-seq data assembly, focusing on the annotation of genes associated with secondary metabolite production Dr. Raghunath Satpathy Gangadhar Meher University, Sambalpur, India
11:50-12:05	Title: Created an organic compound fertilizer “Phonska Alam” as an effort of PT Petrokimia Gresik increasing Indonesian organic agriculture Jawad Farisi PT Petrokimia Gresik, Indonesia
12:05-12:20	Title (V): “Genetic regulatory switch between Sub1a and SK, the key adaptive mechanism behind shifting from quiescence to elongation in rice under submergence” Dr. Narottam Dey Viswa Bharati University-Shantiniketan, India
12:20-12:35	Title: Cerebrospinal fluid analysis, haemato-biochemical profiling and therapeutic studies in buffaloes with babesiosis Dr. Sirigireddy Sivajothi College of Veterinary Science, Proddatur, India
12:35-12:50	Title: Sustainability in fisheries: resource intensification and species selection Dr. Surjya Kumar Saikia Visva Bharati University, Santiniketan, India
12:50- 13:05	Title: Comparative study of socio-Ecological sustainability of cotton farming systems in Central India Dr. Christelle Ledroit bioRe Association, Kasrawad, India
13:05-13:10	Q & A Session






13:10- 14:00	Lunch & Networking	Adjacent to Exhibition Area
14:00-14:15	Title: Evaluation of coriander (<i>Coriandrum sativum</i> L.) genotypes for growth, yield, and quality under central dry zone of Karnataka Dr. Nandakumar K University of Horticultural Sciences, Bagalkot, India	
14:15-14:30	Title: Optimizing of Shoot cuttings propagation of <i>Arundo donax</i> L. Dr. K. Dharmar Pasumpon Thiru Muthuramalinga Thevar Memorial College, Kamuthi, India	
14:30-14:45	Title: Enhancing phosphorus availability through nano clay polymer composites impregnated with low molecular weight organic acids Dr. Dibyendu Chatterjee ICAR-National Rice Research Institute, Cuttack, India	
14:45-15:00	Title: Role of small RNAs in Plant-Associated Bacteria, <i>Azospirillum baldaniorum</i> under Abiotic Stress Conditions Vatsala Koul The Energy and Resources Institute, New Delhi, India	
15:00-15:15	Title: Diversity, distribution and indigenous uses of <i>Hypericum</i> spp. in Northeast India Dr. Harekrushna Swain Botanical Survey of India, Eastern Regional Center, Shillong, India	
15:15-15:30	Title: Preparation and characterization of rice husk biochar-nano particle composite-a novel approach for arsenic remediation Dr. Mohammad Shahid ICAR-National Rice Research Institute, Cuttack, India	
15:30-15:45	Title: Effect of bunch feeding on yield of banana cultivation Dr. H C Parmar Anand Agricultural University, Anand, India	
15:45-16:00	Title: Using Artificial Intelligence for Integrated Pest Management and Smart Farmer Advisories Sonali Ghike Wadhvani Institute for Artificial Intelligence, New Delhi, India	
16:00-16:15	Coffee Break	
16:15-16:30	Title: Evaluating in vivo efficacy of new and commercially available fungicides against sheath blight disease of rice Dr. Srikanta Lenka ICAR-National Rice Research Institute, Cuttack, India	
16:30-16:45	Title (V): Identification of potential physiological and biochemical stress indicators during thermal stress and its recovery in synthetic prolific (<i>FecB^{BB}</i>) and native non prolific rams (<i>FecB⁺⁺</i>) of semi arid region. Dr. Vijay Kumar ICAR-CSWRI, ARC, Bikaner, India	
16:45-17:00	Title: Rice millet based Ready-to-Eat (RTE) extruded products fortified with underutilized crop of Eastern India Dr. Sivashankari M ICAR-NRRI, Cuttack, India	
17:00-17:15	Title (V): Analyzing the impact of economic freedom on farm-level efficiency - An empirical analysis Dr. Rajni Kapoor Janki Devi Memorial College, University of Delhi, India	
16:50-17:00	Q & A Session	
17:00-17:15	Closing Remarks & Certificate Distribution	

14:30- 16:00 Society Annual General Meeting @ Subarna Rekha Hall





Note:

V: Virtual 	PS: Plenary Speech	PSV: Plenary Speech Virtual
<p>Poster:</p> <ul style="list-style-type: none">• The printed poster needs to be submitted on Day-1 of the conference at the registration desk• The poster size should be 4ft. X 6ft. (Width: Height)• Participant can take back their poster post-completion of Day-2 (Poster Session)• Detailed instructions and format are available at: https://agrivision.in/abstract/• Click on “Poster Format” under “Poster Guideline” from the above link.		
<p>e-Poster:</p> <ul style="list-style-type: none">• Participant needs to present max. 2 Slides or Image format of the poster• Maximum time given per e-Poster is 10 mins• Participant needs to submit their e-poster copy by Day-1 so that we can display it on the website.		
<p>Oral Presentation:</p> <ul style="list-style-type: none">• Maximum time limit for presentation is 15 min (General) and 20 min (Keynote)• Presenter needs to bring their presentation in .ppt or .pdf format and submit them to the operator in the room before their presentation• We will not save any copy of the presentation.		



Day-3, Jan 21, 2024
(Meeting & Felicitation)

Valedictory Ceremony of AGRI VISION - 2024

17:00- 17:20	Welcoming Hon'ble Chief Guest Dr. Pramoda Kumar Sahoo , Director, ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, and Guest of Honour Prof. (Dr.) Prasannajit Mishra , Dean of Extension Education, Odisha University of Agriculture and Technology, Bhubaneswar
17:20-17:30	Plantation by Chief Guest and Guest of Honour
17:30- 17:35	Welcoming the Guests from Exhibition area to MKCG Auditorium
17:35- 17:40	Welcoming the Guests on the dais <ul style="list-style-type: none"> • Chief Guest: Dr. Pramoda Kumar Sahoo, Director, ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha • Guest of Honour: Prof. (Dr.) Prasannajit Mishra, Dean Extension Education, Odisha University of Agriculture and Technology, Bhubaneswar • Chairman Organizing Committee: Dr. Amaresh Kumar Nayak, Director, ICAR-National Rice Research Institute, Cuttack, Odisha • Convenor: Dr. M.J. Baig, Principal Scientist and Head of Division Crop Physiology & Biochemistry, ICAR-National Rice Research Institute, Cuttack, Odisha • President, SARM: Dr. Arup Kumar Mukherjee, Principal Scientist, ICAR-National Rice Research Institute, Cuttack, Odisha • Program Director AGRI VISION- 2024: Er. Dibyanshu Prasad Das
17:40- 17:45	Lightening of lamp
17:45- 17:50	Welcome Address by Convenor: Dr. M.J. Baig , Principal Scientist and Head of Division Crop Physiology & Biochemistry, ICAR-National Rice Research Institute, Cuttack, Odisha
17:50- 18:00	Address by Guest of Honour: Prof. (Dr.) Prasannajit Mishra , Dean Extension Education, Odisha University of Agriculture and Technology, Bhubaneswar
AWARD CEREMONY	
18:00- 18:30	<ul style="list-style-type: none"> • Felicitation to Exhibitors • Academic Awards
	Padmashree Dr. Ajay Parida Memorial Lifetime Achievement Award
	<ul style="list-style-type: none"> • Dr. Prasun Mukherjee, Former Head of Nuclear Agriculture and Biotechnology Division, BARC, Mumbai
	Distinguished Scientist Award
	<ul style="list-style-type: none"> • Dr. Pramoda Kumar Sahoo, Director, ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha • Felicitation to ICAR-NRRI, Cuttack as Collaborating partner • Felicitation to Organizers • Felicitation to Cultural Troupes
18:30- 18:40	Address by Chief Guest: Dr. Pramoda Kumar Sahoo , Director, ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha
18:40- 18:50	Address by Chairman Organizing Committee: Dr. Amaresh Kumar Nayak , Director, ICAR-National Rice Research Institute, Cuttack, Odisha
18:50- 18:55	Closing Remark by SARM President: Dr. Arup Kumar Mukherjee , Principal Scientist, ICAR-National Rice Research Institute, Cuttack, Odisha
18:55- 19:00	Vote of Thanks: Er. Dibyanshu Prasad Das , Program Director AGRI VISION-2024
19:00- 20:00	Cultural Program Sponsored by Dept. OLLC, Govt. of Odisha
20:00- 21:00	Dinner and end of Day-3 Program





Note





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