# DAY 1 Concurrent Session I

## 1. Organic Farming and Natural Farming

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| Prof. | **S.P** | Singh | V.P.Singh, Tej Pratap, Neeta Tripathi, Shilpa Patel and M.K.Bhatt | EFFECT OF ESTABLISHMENT METHODS AND WEED MANAGEMENT UNDER ORGANIC PRODUCTION SYSTEM OF RICE-VEGETABLE PEA-SWEET CORN CROPPING SYSTEM | 1. Organic Farming and Natural Farming |
| Dr | **P.P.** | Chaudhari | B. Zinal | Effect of organic manures and bio-fertilizers on growth, yield and economics of *kharif* cowpea | 1. Organic Farming and Natural Farming |
| Dr | **Adinath N.** | Paslawar | V.M. Bhale, V.A. Khadse, S.N. Potkile U.R. Dongarwar and P.V. Shingrup | Productivity potential of major crops and cropping systems under different organic nutrient modules in Vidarbha region of Maharashtra | 1. Organic Farming and Natural Farming |
| Dr | **ELISA AZURA** | AZMAN | SANJEEV M.P. RAMARAO, ROSLAN ISMAIL, NOR ELLIZA TAJIDIN AND SHIVA DHAR | Effect of liquid organic fertilizer (LOF) on the soil enzyme grown with Brassica rapa var. Chinensis | 1. Organic Farming and Natural Farming |
| Dr. | **Ashis** | Maity | Jyotsana Sharma, Nilesh Gaikwad and Mallikarjun, H | Influence of organic fertilizers on soil fertility, microbial activity, flowering and fruiting and fruit yield of pomegranate (Punica granatum L.) | 1. Organic Farming and Natural Farming |
| Dr. | **Renu** | Singh | Sibananda Darjee, Manoj Shrivastava, Shiva Dhar, Renu Pandey, Neeta Dwivedi, Pooja Laksmidevarhalli Ramalingappa | Effect of natural farming inputs on crop yield of rice-wheat cropping system | 1. Organic Farming and Natural Farming |
| Dr | **B.L.** | Manjunath | R.H. Laxman and G.K. Ramesha | Rainfed Mango based integrated farming systems for sustainable productivity and profitability | 1. Organic Farming and Natural Farming |
| Dr | **Madhumitha** | Srinivasan | Anjaly John, Satheskumar Kanagaraj, Abhishek Jain | Predictors of awareness and interest in natural farming- Findings from Andhra Pradesh | 1. Organic Farming and Natural Farming |
| Dr. | **SAMRATH lal** | MEENA | R.S.BANA, TEEKAM SINGH, ANCHAL DAS, K.S. RANA AND S.S. RATHORE | Soil moisture and nutrient management for enhanced system productivity, rainfall-use efficiency, profitability and sustainability of pearlmillet–mustard system in a semi-arid agro-ecology | 1. Organic Farming and Natural Farming |
| Mr. | **Kamal** | Garg | SHIVA DHAR, RAENDRA PRASAD MEENA | Productivity and profitability of baby corn (Zea mays L.) as influenced by different enriched organic formulations | 1. Organic Farming and Natural Farming |
| Dr. | **Bharat** | Gudade | S.S. BORA, K.N. HARSHA, AMIT KUMAR, SUBHASH BABU, RAGHAVENDRA SINGH AND A.B. REMASHREE | Impact of foliar nutrition of zinc, manganese and magnesium on productivity and economics of large cardamom under Sikkim condition | 1. Organic Farming and Natural Farming |

## Rapidfire

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|---|---|---|---|---|---|
| Dr | **Jayanta** | Layek | Krishnappa R, Anup Das, Sandip Patra, Pankaj Baiswar, Ramesh T And S Hazarika | Integrated organic farming system (IOFS) enhanced system productivity and food security in hill Agriculture | 1. Organic Farming and Natural Farming |
| Dr | **Amit A.** | Shahane | U.K. behera | Evaluation of lowland rice varieties in acidic soil under organic production system | 1. Organic Farming and Natural Farming |
| Dr | **Mude Ramesh** | Naik | Umesh Hudedamani | Organic Farming in India: Production Constraints and Policy Recommendations | 1. Organic Farming and Natural Farming |
| Mr. | **Deepak Kumar Meena** | Meena | Mona Ranjan Sharma | PROM and biodynamic manure for sustainable soil management in rainfed agro-ecosystems | 1. Organic Farming and Natural Farming |
| Ms. | **Supriya** | Singh | D.K. Singh and Parkash Verma | Yield attributes and yields of Organic Scented Rice (*Oryza sativa* L.) in North-West plains of India | 1. Organic Farming and Natural Farming |
| Dr | **P.C.** | Ghasal | Jairam Choudhary, Debashis Dutta, Chandra Bhanu, A.L. Meena, Kamlesh Kumar, R.P. Mishra, Raghuveer Singh | Mustard Oilcake Integration for Organic Nutrient Management in Wheat under Upper Gangetic Plain Zone | 1. Organic Farming and Natural Farming |
| Dr. | **Bharat** | Gudade | S.S. BORA, K.N. HARSHA, AMIT KUMAR, SUBHASH BABU, RAGHAVENDRA SINGH AND A.B. REMASHREE | Impact of foliar nutrition of zinc, manganese and magnesium on productivity and economics of large cardamom under Sikkim condition | 1. Organic Farming and Natural Farming |
| Dr. | **Mangesh R.** | Thakur | S.J. Sindhi, L.H. Saini | Integrated nitrogen management in sorghum to sustain productivity, profitability and soil fertility | 1. Organic Farming and Natural Farming |

## DAY 1 Concurrent Session 2

## 3. System Approaches for Agro-Ecosystem Sustainability and Integrat

| | | | | | |
|---|---|---|---|---|---|
| Dr. | **S P S** | Tanwar | B.K. Mathur, Dheeraj Singh, Subhash Kachchhawaha and N.V. Patil | On Farm performance and farmers participatory assessment of newly introduced Fodder beet crop in farming systems of arid Western Rajasthan | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Dr. | **Sachin** | Rautaray | S. Mohanty, S. Pradhan, R.K. Mohanty, R. Dubey, S. Raychaudhuri, A. Sarangi | Systems approach for a water use efficient integrated farming system in high rainfall zone | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |

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|---|---|---|---|---|---|
| Dr. | **SHIVANI,** | | KIRTI SAURABH, AKRAM AHMED, SANJEEV KUMAR, A.UPADHYAYA AND ANUP DAS | Enhancement of cropping intensity and system productivity through diversification of rice-wheat cropping system in middle Indo-Gangetic Plains | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Dr. | **Sanjeev** | Kumar | Shivani, A. Dey and Kamal Sarma, Anup Das | Production and income sustainability through Integrated farming system approaches for small and marginal farmers of Eastern India | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Dr | **P.M.** | Shanmugam, | S.P.Sangeetha, P.C.Prabu And S.V.Varshini | Integrated farming system: A tool to achieve national food security with sustainability | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Dr. | **G.** | SURESH | MD A AZIZ QURESHI | Evaluation of castor genotypes for their suitability in rabi season | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Dr. | **Paramesha** | V | Parveen Kumar | Environmental impact assessment of rice based lowland integrated farming system in the west coast of India | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Dr. | **Sanjay Kumar** | Yadav | V.P. Jaiswal, Arun Baitha, S.K. Shukla, A. P. Dwivedi and V.P. Singh | Enhancing sugarcane productivity through diversification of sugarcane based cropping system with medicinal and aromatic plants | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Dr | **Rakesh** | Kumar | J.S. Mishra, B.K. Jha, S.S. Naik, S.S. Mali, J.S. Choudhary, Hansraj Hans, A.K. Biswas, Sanjeev Kumar, Anup Das | Conservation agriculture-based crop management practices improved system productivity and soil physical health in rice- fallow system of eastern India | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Dr | **Panneerselvam** | Peramaiyan | Sunil Kumar, Malay Kumar Bhowmick, Virender Kumar | Mechanized crop establishment methods for improving rice-based systems productivity in Eastern India | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |

| Rapidfire | | | | | |
|---|---|---|---|---|---|
| Dr | **Dinesh** | Jinger | Vijaysinha Kakade, D. Dinesh, Gaurav Singh, A.K. Singh, M.J. Kaledhonkar, M. Madhu | Dragon fruit based-horti-silviculture system for enhancing ecosystem services of Mahi ravines of Central Gujarat | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Dr. | **Bipin** | Kumar | Abir Dey, Himani Bisht, Shaloo, P.S. Brahmanand | Impact of concentrated application of FYM inside the raised bed on productivity of maize-wheat at different water regimes | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Dr. | **Mavji** | Patidar | P.R. Meghwal, B.K. Mathur | Improving farm productivity through livestock based farming system in Arid Regions | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Dr. | **R.L.** | Meena | | Suitability Assessment of Wheat (Triticum aestivum L.) under Land Management Units of Arid Western Plain of Gujarat (AESR 2.4), India | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Dr. | **SATISH** | IMADE | J.D. THANKI, N.N. GUDADHE AND B.A.GUDADE | Direct and residual effect of INM on green gram under rice-green gram cropping sequence | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Dr. | **Amit** | Kumar | AMIT KUMAR, SAURAV SAHA, T.L. BHUTIA, RAGHAVENDRA SINGH, SUBHASHBABU, B.A. GUDADE, RAMGOPAL DEVADAS AND V.K. MISHRA | Impact of organic nutrition on productivity and economic viability of maize based cropping systems in terraced land of Sikkim Himalayas | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Dr | **G.** | Manjulatha | E.Rajanikanth[2], Krishna Chaitanya[3], and S.Triveni[4] | Integrated effect of biofertilizers, organic manures and inorganic fertilizers on growth and yield of winter maize | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |

# DAY 1 Concurrent Session 3

## 7. Agro-Ecological Approaches for Biotic and Abiotic Stress Management

| | | | | | |
|---|---|---|---|---|---|
| Prof. | **Murali Arthanari** | Palanisamy | M. Raju, E. Subramanian and Sathish Kumar | Weed biology and its impact on crop weed competition in direct seeded rice ecosystem | 7. Agro-Ecological Approaches for Biotic and Abiotic Stress Management |
| Dr | **Kuldeep** | Singh | Sudhir Kumar Mishra and Vikrant Singh | Exploring climatic resilience in promising sugarcane varieties through irrigation scheduling in semi arid regions of Punjab | 7. Agro-Ecological Approaches for Biotic and Abiotic Stress Management |
| Dr | **D.D.** | Chaudhari | V.J. Patel, A.S. Bhanvadia and B.D. Patel | Integrated weed management in dry direct seeded rice under irrigated condition | 7. Agro-Ecological Approaches for Biotic and Abiotic Stress Management |
| Dr | **RAJVIR** | SHARMA | V OM SUBHAM Raju, KAPILA SHEKHAWAT | Bio-efficacy and selectivity of herbicides in chickpea | 7. Agro-Ecological Approaches for Biotic and Abiotic Stress Management |
| Dr | **G.A.** | RAJANNA | B. C. AJAY | Agro-techniques for minimizing groundnut yield losses in frequent drought situations | 7. Agro-Ecological Approaches for Biotic and Abiotic Stress Management |
| Dr | **Prabhu** | Govindasamy | WATIYANGLA KICHU2, R.S. BANA1, VIJAY POONIYA1, K.S. RANA1, RISHI RAJ1, T.K. DAS1 AND GOPAL TIWARI1 | Early deduction of Malva parviflora (Common mallow) invasion in wheat crop | 7. Agro-Ecological Approaches for Biotic and Abiotic Stress Management |
| Dr. | **Rishi Raj** | Raj | Dr. T.K. Das, Dr. Prabhu Govindasamy | Tillage, residue and herbicides effects on weed and nematode management in direct seeded rice | 7. Agro-Ecological Approaches for Biotic and Abiotic Stress Management |

## Rapidfire

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|---|---|---|---|---|---|
| Dr | **Shiv Ram** | Samota | R.S. Chhokar[1], S.C. Gill[1], D. B. Yadav[2], S.C. Tripathi[1] and Nitesh Kumar[1] | Pyroxasulfone based herbicide combinations for weed control in conservation tillage wheat | 7. Agro-Ecological Approaches for Biotic and Abiotic Stress Management |
| Dr | **Bonti** | Gogoi | Bonti Gogoi, Niranjan Deka, Prasanna Kumar Pathak | CHEMICAL MANAGEMENT OF OROBANCHE IN TORIA (BRASSICA CAMPESTRIS L. VAR. TORIA) | 7. Agro-Ecological Approaches for Biotic and Abiotic Stress Management |

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|---|---|---|---|---|---|
| Dr | **V.K.** | Choudhary | V.K. CHOUDHARY, R.P. DUBEY, P.K. MUKHERJEE AND J.S. MISHRA | Optimizing seed rate and weed management for weed control, crop productivity and profitability in dry-seeded rice | 7. Agro-Ecological Approaches for Biotic and Abiotic Stress Management |
| Dr | **Bharat Lal** | Meena | Bharat Lal Meena, D.S. Meena, Rani Saxena and Bahnu Pratap Ghasil | | 7. Agro-Ecological Approaches for Biotic and Abiotic Stress Management |
| Dr | **Tushar** | Kumar | P.S. Patel and N.G. Savani | Drainage technology to ameliorate waterlogging and salinity | 7. Agro-Ecological Approaches for Biotic and Abiotic Stress Management |
| Dr. | **Dibakar** | Ghosh | Madhumita Das, Ashis Maity, Partha Debroy, K. Laxminarayana1, Mausumi Raychaudhuri, Arjamadutta Sarangi | Organic manure alleviates hexavalent chromium (Cr)-induced phytotoxicity by restricting Cr translocation in rice (Oryza sativa L) | 7. Agro-Ecological Approaches for Biotic and Abiotic Stress Management |
| Dr. | **MARUTHADURAI** | R | R. RAMESH, CHANNABASAVA V, PARVEEN KUMAR | Impact of pulses and legume based intercropping on the incidence of invasive fall armyworm Spodoptera frugiperda L. in Fodder Maize | 7. Agro-Ecological Approaches for Biotic and Abiotic Stress Management |
| Dr | **Prithwiraj** | Dey | PRITHWIRAJ DEY and B.S. MAHAPATRAc | Lodging reduction and quality improvement of fibre flax with seed rate and nutrient management | 7. Agro-Ecological Approaches for Biotic and Abiotic Stress Management |
| Dr | **E.** | RAJANIKANTH | G. MANJULATHA | Effect of tillage, mulching and hydrogel on performance of rainfed maize | 7. Agro-Ecological Approaches for Biotic and Abiotic Stress Management |
| **DAY 1 Concurrent Session 1** | | | | | |
| **4. Machine Learning and Artificial Intelligence in Smart Agronomic** | | | | | |
| Dr | **M.Malla** | Reddy | M. MALLA REDDY, N. LAVANYA, G. RAJITHA, K. SRIDHAR, AND B. PADMAJA | New Approaches in Mechanization of Cotton (Gossypium hirsutum L.) Production in India | 4. Machine Learning and Artificial Intelligence in Smart Agronomic Management |

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|---|---|---|---|---|---|
| Dr | **Shivashankar** | K. | [2]M.P. Potdar, [3]D.P. Biradar, [4]K.K. Math and [5]Gurupada Balol | Artificial intelligence based leaf nitrogen estimation in Maize | 4. Machine Learning and Artificial Intelligence in Smart Agronomic Management |
| Dr. | **Ram Swaroop** | Bana | Shanti D Bamboriya | Identifying optimum residue levels under conservation agriculture for sustainable crop and water productivity of rice-wheat rotation using APSIM model | 4. Machine Learning and Artificial Intelligence in Smart Agronomic Management |
| **DAY 2 Concurrent Session 2A** | | | | | |
| **5. Carbon Management in Agricultural Production Systems** | | | | | |
| Dr. | **RAJ** | SINGH | TEEKAM SINGH, AND MANJESH KUMAR GAUTAM | Improving soil properties, organic carbon storage and productivity through tillage and residue management in pearlmillet-based cropping systems under semi-arid environments | 5. Carbon Management in Agricultural Production Systems |
| Dr. | **Bipin Bihari** | Panda | J Jena, N Pandey, AK Nayak | Effect of residue management on productivity and greenhouse gas emissions from rice in an intensive rice based cropping systems | 5. Carbon Management in Agricultural Production Systems |
| Dr. | **A.V.** | RAMANJANEYULU | A.V. RAMANJANEYULU AND T. CHAITANYA | Carbon sequestration and performance of fodder grasses under *Melia dubia* based silvi-pastoral system | 5. Carbon Management in Agricultural Production Systems |
| Dr | **Subhash** | Babu | | Designing system approach for Enhancing Energy Use Efficiency and Reducing Carbon Footprint in Indian Agriculture | 5. Carbon Management in Agricultural Production Systems |
| Dr | **Raman Jeet** | Singh | N.K. SHARMA, GOPAL KUMAR, TRISHA ROY, UDAY MANDAL, ANAND KUMAR GUPTA, RAMA PAL, J.S. DESHWAL, MUDIT MISHRA AND M. MADHU | Modified tillage and surface residue cover management practices for successful implementation of conservation agriculture on rainfed sloping crop lands of Himalaya | 5. Carbon Management in Agricultural Production Systems |
| Dr | **Teekam** | Singh | Anchal Dass, RS Bana and Raj Singh | Tillage and concentrated urea spray as defoliator effect on pigeon pea productivity and shaded leaf biomass in pigeonpea-wheat rotation | 5. Carbon Management in Agricultural Production Systems |
| Dr | **Sukanta** | K. Sarangi | S. Raut, U.K. Mandal and K.K. Mahanta | Smart cropping systems for climate change adaptation, mitigation and economic gain in the coastal region | 5. Carbon Management in Agricultural Production Systems |

| Rapidfire | | | | | |
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| Dr. | **MHASKAR** | N. | V., BHAGAT S. B., JONDHALE D. G. AND BODAKE P. S. | Management of green house gas emissions through integrated farming systems | 5. Carbon Management in Agricultural Production Systems |
| Dr. | **Abir Dey** | Deepak, Bamel | , Debarup Das, Bijan Kumar Mondal, MC Meena | Temperature sensitivity of carbon mineralization from different crop residues with different biochemical compositions | 5. Carbon Management in Agricultural Production Systems |
| Dr. | **Manish** | Kushwaha | Parveen Kumar, Rakesh Kumar and Dinesh Kumar | Combined application of fertilizer and municipal solid waste compost affects nutrient dynamics and fodder yield of baby corn | 5. Carbon Management in Agricultural Production Systems |
| Dr. | **Sunil** | Kinge | . A. Bhalerao2, A. J. Rathod3 and M. N. Wairagade4 | nfluence of Land Configuration and Crop Residue Management on Yield of Soybean (Glycine max (L.) Merrill | 5. Carbon Management in Agricultural Production Systems |
| Dr | **Aliza** | Pradhan | , G C Wakchaure[1], D Shid[1], A Chaudhary[1], A K Biswas[2], K Sammi Reddy[1] | Soil biology and organic carbon pools as affected by tillage, residue and nutrient management practices during multi-ratoons of sugarcane in semi-arid tropics | 5. Carbon Management in Agricultural Production Systems |
| Dr | **Pragya** | Naithani | | Mitigating Carbon Footprint through Tillage and Nutrient Management in Wheat Cultivation Precision | 5. Carbon Management in Agricultural Production Systems |
| Dr | **KRUTIKA SUBODH** | PATEL | | BIOCHAR : A SUSTAINABLE WAY OF ORGANIC FARMING | 5. Carbon Management in Agricultural Production Systems |
| Ms. | **Gunjan** | Guleria | Susheel Kumar Singh, Rajiv Nandan, Anusuiya Panda and A.R. Sharma | Effect of tillage and weed management practices on mustard crop in Bundelkhand region | 5. Carbon Management in Agricultural Production Systems |
| Dr | **Kadagonda** | Nithinkumar | S. P. SINGH, VED PRAKASH | Nitrogen management and detasseling time to enhance the productivity of winter baby corn (Zea mays L.) | 5. Carbon Management in Agricultural Production Systems |
| Dr. | **Mudalagiriyappa** | M.N., | Thimmegowda, B.G., Vasanthi, K., Devaraja and Latha, H.S. | Assessment of Productivity and Energetics of different tillage and cover crops in finger millet + pigeonpea (8:2) intercropping system under conservation agriculture practices | 5. Carbon Management in Agricultural Production Systems |
| Mr. | **Tarun** | Sharma | T. K. Das, Rishi Raj, Prabhu Govindasamy, Suman Sen, Arkaprava Roy | Conservation Agriculture in pigeon pea-wheat system can build up soil organic carbon and reduce carbon footprints of wheat production | 5. Carbon Management in Agricultural Production Systems |

| DAY 2 Concurrent Session 3 | | | | | |
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| **2. Precision Input Management** | | | | | |
| Dr | **Raghavendra** | Singh | C.S. Praharaj, Narendra Kumar, C.P. Nath, Asik Dutta, R. P. Shakya, Subhash Babu | EFFECT OF CONSERVATION TILLAGE AND PRECISION IRRIGATION SCHEDULING ON PRODUCTIVITY AND RESOURCE USE EFFICIENCY IN FIELDPEA | 2. Precision Input Management |
| Dr. | **Kodary Avil** | Kumar | C. Lokesh, Md. Latheef Pasha, T. L. Neelima, Neha Kulkarni, K. Chaitanya , S. Lakshmi* and B.L.Balaji* | Yield and Economics of Different Rabi crops underneath AgroPhotoVoltaic System | 2. Precision Input Management |
| Dr. | **V. Visha** | Kumari | GOPINATH K.A, SUVANA S, MANORANJAN KUMAR, SARATH CHANDRAN M.A, A K. SHANKAR, B.M.K. RAJU, N. JYOTHILAKSHMI, G. VENKATESH AND V.K. SINGH | Climate resilient double cropping system for resource conservation and sustainability in rainfed Alfisols | 2. Precision Input Management |
| Dr. | **ANIL** | CHOUDHARY | Jagdev Sharma, Sanjay Rawal, P. Janani, Brajesh Singh | Influence of organic farming, integrated crop management and conventional farming practices on potato productivity, profitability & ecological footprints in wet-temperate Himalayas | 2. Precision Input Management |
| Dr. | **T.** | Selvakumar | and K.R.V. Sathya Sheela | Efficacy of nano urea application in Maize productivity | 2. Precision Input Management |
| Prof. | **MANUKONDA** | SRINIVAS | G. Surya Teja, K.M. Dakshina Murthy and M. Bharatha lakshmi | Performance of Rice (Oryza sativa. L) under different Puddling practices and Planting techniques | 2. Precision Input Management |
| Dr. | **V.** | Ramulu | M. Uma Devi, J. Harish and M. Balram | Field evaluation of nano soil moisture sensors for higher water productivity | 2. Precision Input Management |
| Dr. | **B.T.** | Sinare | | Efficacy of different weed management methods for weed control and yield of soybean (Glycine max L.) | 2. Precision Input Management |
| Dr. | **S.** | Vijayakumar | Virender Kumar, T Ramesh, Jerico Stefan Bigornia | Determination of optimum spray volume for systemic herbicide application in dry direct seeded rice through Unmanned Aerial Vehicle | 2. Precision Input Management |
| **Rapidfire** | | | | | |
| Dr. | **K.C.** | Sharma | K.S. SOLANKI | Effect of growth retardants and nitrogen levels on the lodging, growth and productivity of wheat (Triticum aestivum L.) in Vertisols of Central India | 2. Precision Input Management |

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| Dr. | **Saroj Kumari** | ` | ANIL KUMAR, AKSHIT, DIVYA PRASHAR | EFFECT OF REGULATED WATER DEFICIT SCHEME ON PLANT HEIGHT OF WHEAT | 2. Precision Input Management |
| Dr | **Vishal** | Tyagi | Mona Nagargade, Subahsh Babu, Sanjay Singh Rathore | Assessing the effect of cropping system and phosphorus management on growth and economics of maize based systems under conservation agriculture | 2. Precision Input Management |
| Dr | **Dogga** | Sreelatha | Dr.E.Rajanikanth,Dr. P.Revathi, Dr.A.KrishnaChaitanya | Nitrogen levels and Schedules for enhancement of yield in Dry Direct Seeded Rice (D-DSR) in Telangana State | 2. Precision Input Management |
| Dr. | **MOHAMMAD** | HASANAIN | V.K. SINGH*2, S.S. RATHORE3, SUBHASH BABU4, RAJIV K. SINGH5, KAPILA SHEKHAWAT6, B.S. DWIVEDI7, P.K. UPADYAYA8, KARTHIK SHARMA9, SANDEEP KUMAR10, AYESHA FATIMA11 and GAURAV VERMA12 | Precision Nutrient Management under Conservation Agriculture based Wheat in Indo-Gangatic Plain Zone of India | 2. Precision Input Management |
| Dr. | **HARISH** | M N | ANIL K CHOUDHARY, S R K SINGH, A A RAUT | Effect of Tillage and Phosphorus fertilization on growth indices in wheat under Maize-Wheat Cropping System | 2. Precision Input Management |
| Dr. | **HEMALATHA** | MUNIYANDI | JOSEPH MANI, VELAYUTHAM. A | Iron and Zinc fortification of rice seeds for Production of sturdy seedlings suitable for machine transplanting | 2. Precision Input Management |
| Dr. | **Mukesh** | Kumar | Mukesh Kumar, Vikas Rai, Ravish Chandra,Rajan Kumar | Tillage and irrigation methods affect the root growth, water use efficiency and productivity of wheat | 2. Precision Input Management |
| Dr | **BHARAT** | PRAKASH MEENA | A.K. BISWAS, A.B. SINGH, R.S. CHAUDHARY AND R.H. WANAJRI | Integrated nutrient management practices for crop growth and productivity in maize-chickpea cropping sequence in Vertisol | 2. Precision Input Management |
| Dr | **Debarup** | Das | | Effects of seaweed extractr-based products on the performance of wheat crop under sub-optimal NPK fertilization | 2. Precision Input Management |
| **DAY 2 Concurrent Session 1** | | | | | |
| **6. Millets (Shree Anna) for Human and Environmental Health** | | | | | |

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| Dr | **R. Srinivasa** | Rao | V. Laxminarayanamma and S Vindya | Evaluation of Sorghum *(Sorghum bicolor L.Moench )* Varieties under Late Rabi conditions in Bhadradri Kothagudem District of Telangana | 6. Millets (Shree Anna) for Human and Environmental Health |
| Dr. | **Ashok** | Kumar | Vikas, Ritu Nagdev, Jaya N Surya | Evaluation of soil suitability for pearl millet as an alternate land use option towards achieving food and nutritional security and climate resilience -A case study in IGP | 6. Millets (Shree Anna) for Human and Environmental Health |
| Dr | **Ranjita** | Brahma | N. J. Ojha, Dr. K. Pathak, Dr. C. K. Sarma | Performance of finger millet cultivars under different sowing windows in rainfed upland of Lower Brahmaputra Valley Zone of Assam | 6. Millets (Shree Anna) for Human and Environmental Health |
| Dr | **G. Ravi** | Shankar | YOGEESH, L.N., DESAI, B.K., SATYANARAYA NARAO AND HANUMANTHAP PA,M. | Response of browntop millet (Brachiaria ramosa (L.) to dates of sowing, fertilizer levels and row spacings | 6. Millets (Shree Anna) for Human and Environmental Health |
| Dr | **Sonali** | Chaudhari | Susheel Singh, T. R. Ahlawat, Priya Chaudhari | Millets : Resilient Staples | 6. Millets (Shree Anna) for Human and Environmental Health |
| Dr.. | **Vikas** | Gupta | A.P. Singh, Sanjeev | | 6. Millets (Shree |
| Dr | **B.O.** | Mallikarjuna | T.N. Devaraja | Assessment of Different Foxtail Millet Varieties for Growth and yield under Rain fed Farming | 6. Millets (Shree Anna) for Human and Environmental Health |
| Dr | **Parminder Singh** | Sandhu | Manpreet Jaidka and Navjot Singh Brar | Descriptive analysis of Scenario of Millet Consumption in the District Moga and Tarn Taran Punjab - A Survey | 6. Millets (Shree Anna) for Human and Environmental Health |
| Dr. | **P. UDAY** | DELEEP, | R. NASEERUDDIN, Y. REDDI RAMU, T.N.V.K.V. PRASAD | Strategic approach of nitrogen sources on yield of finger millet (Eleusine coracana (L.) Gaertn.) | 6. Millets (Shree Anna) for Human and Environmental Health |
| Dr. | **P.** | Ashoka | Mahantesh B Nagangoudar | STUDIES OF ESTABLISHMENT TECHNIQUES AND VERIED NUTRIENT LEVELS ON YIELD AND ECONOMICS OF TEFF- AN EMERGING NEW CLIMATE CROP | 6. Millets (Shree Anna) for Human and Environmental Health |
| Dr. | **BISWAJIT** | PRAMANICK, | SANJU CHOUDHARY, MUKESH KUMAR, R.K. JHA, DEVENDRA SINGH | Site-specific nutrient management using GreenSeeker-based N-management can improve the bioenergetics of finger millet cultivation | 6. Millets (Shree Anna) for Human and Environmental Health |

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| Dr. | **AALOK** | YEWALE | Udit Joshi, Priyanka Rajput and Ajay Kumar | Assessment on perception of farmers towards consumption pattern and health benefits of millets among rural inhabitants of Tehri Garhwal | 6. Millets (Shree Anna) for Human and Environmental Health |
| Dr | **KESHAV** | PATIDAR | Susheel Singh, T. R. Ahlawat, V. P. Usadadiya, Jay Patoliya, Mili Patel, D. R. Devani | INCREDIBLE POST-HARVEST VALUE ADDED PRODUCTS OF MILLETS | 6. Millets (Shree Anna) for Human and Environmental Health |
| **DAY 2 Concurrent session 3A** | | | | | |
| **Special Oral/Rapidfire Presentation** | | | | | |
| Dr | **Ipsita** | Kar | Rabiratna Das and S. Karubakee | Effect of different organic manures and Bio NPK consortium on yield and quality of Asalio (Lepidium sativum L). | 1. Organic Farming and Natural Farming |
| Dr. | **Joseph** | Mani | Hemalatha Muniyandi, Velayutham, A | Effect of Enhanced nutrients levels and irrigation regimes on use efficiencies of wet seeded rice under Tamirabarani command area of Tamil Nadu | 2. Precision Input Management |
| Dr. | **K** | SHEKAR | SHEKAR | IMPACT OF TECHNOLOGICAL INTERVENTIONS ON PRESICION NITROGEN MANAGEMENT IN GREEN GRAM PRECEEDING RICE FOR SUSTAINABLE SOIL HEALTH MANAGEMENT | 2. Precision Input Management |
| Dr. | **Balaji** | Naik | ARUNA MALOTH, SREENIVAS GADE, KARAN CHOUDARY | Spectral Vegetation Indices for Detection of Water and Nitrogen Stress in Maize | 2. Precision Input Management |
| Dr | **N.** | Mahesh | K. Mamatha, O.Sampath, P.Ravi | Determination of yield response factor (Ky) of mustard (Brassica juncea L.) under deficit and optimum irrigation scheduling in Northern Telangana zone | 2. Precision Input Management |
| Dr | **Sanjeev** | Kumar | Krishna, Fiskey Vrushabh Vijay, Magan Singh, V K Meena, B L Meena, M B Reddy, | Effect of integrated potassium management on yield and nutritional quality of Chinese cabbage | 2. Precision Input Management |
| Dr. | **K.V.** | RAMANA MURTHY | M. B. G. S. KUMARI AND T. CHITKALA DEVI | Efficient cropping systems for sugarcane under irrigated condition | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |

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| Dr. | **J.S.** | Bindhu | Jacob JOHN, MEERA, A.V., SUDHA,B. | Diversification of farming system models through integrated approach in West coast plain and Ghat region | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Dr | **ASHA** | RAM | Vartika Shakya, Inder Dev, Naresh Kumar, Sovan Debnath, A. Arunachalam | Conservation agroforestry: A new concept of climate resilient production system | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Dr | **Arkaprava** | Roy | | Silicon enhances extractable arsenic in soil but reduces its uptake in rice | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Dr. | **Desam. Lakshmi** | Kalyani | M. Siva Rama Krishna, K. Mohan Vishnu Vardhan, K. Venkataramanamma, N.C.Venkateswarlu, Y. Lavanya | Enhancing Profitability, Sustainability and Yield in Bt Cotton through a Multitier Cropping System | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Dr. | **T.L.** | NEELIMA, | K. AVIL KUMAR AND P. RAGHU RAMI REDDY | Mapping the early season rice area using Time series Sentinel 1 SAR Data on Google Earth Engine in Nizamabad District | 4. Machine Learning and Artificial Intelligence in Smart Agronomic Management |
| Dr. | **Rameti** | Jangir | Moola Ram | Conservation agricultural practices | 5. Carbon |
| Dr | **M.A.** | Ansari | ANSARI, N. | Comparative analysis of sustainable | 9. Redesigning |
| Dr | **Jyoti** | Gaikwad | Sonal Tripati, Mahesh Gaikwad and H. M. Virdi | Role of liquid organic manures in pulses, oilseeds and vegetables crop production | 1. Organic Farming and Natural Farming |
| Dr. | **Dileep** | Kumar | VP Singh, KK Singh and SR Singh | EFFECT OF DATE OF RATOON INITIATION AND INTEGRATED NUTRIENT MANAGEMENT ON YIELD ATTRIBUTES AND YIELD OF SUGARCANE (Saccharum officinarum L.) RATOON CROP | 2. Precision Input Management |
| Mr. | **Nitin** | Gudadhe | Ranajit Mahanta1, Vaibhavkumar N. Mehta and H. M. Virdia | Nano atrazine synthesis and application for environmentally benign weed control in maize | 2. Precision Input Management |
| Ms. | **Anjali** | Rawat | Subhash Chandra, Dinesh Kumar Singh | Nutrient management in soybean (Glycine max L.) | 2. Precision Input Management |

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| Dr | **Sanketh** | G.D. | Kapila Shekhawat, S S Rathore, Subhash Babu, Rajiv K Singh, Pravin K Upadhyay and Vipin Kumar | Nitrogen management in rice wheat system under various crop establishment protocols | 2. Precision Input Management |
| Mr. | **Vipin** | Kumar | Kapila Shekhawat, S S Rathore, Rajiv Kumar Singh, Sanketh GD, S K Prajapati | Effect of polyhalite on productivity and uptake of potassium and sulphur in wheat under Indo-Gangetic plains of India | 2. Precision Input Management |
| Mr. | **Satyam** | Rawat | RAJIV K SINGH, PK UPADHYAY, KAPILA SHEKHAWAT, SANDEEP KUMAR1, SHASHANK PATEL AND RAJAN SHUKLA | Comparing the Effect of Different Nitrogen Doses and Foliar Spray (Nano-urea vs. Prilled Urea) on Leaf Nitrogen Content and Productivity of Maize in Rainfed Soil of Eastern Indian | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Ms. | **Kavita** | Kumari | B. R. Goud, Annie Poonam and A. K. Nayak | Soil chemical dynamics in long-term integrated rice-based farming systems: A case study from Eastern India | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Dr | **Shreyas** | Bagrecha | Ramesh Kumar Singh and Deeptirekha Mahapatra | Biostimulants protein hydrolysates and seaweed extract differential rate influences growth and yield of transplanted rice (Oryza sativa L.) | 3. System Approaches for Agro-Ecosystem Sustainability and Integrated Farming Systems |
| Ms. | **Ananya** | Gairola | S. K. KHOKHAR | Chemical weed management in irrigated chickpea (Cicer arietinum L.) | 7. Agro-Ecological Approaches for Biotic and Abiotic Stress Management |
| Dr | **Nilutpal** | Saikia | Nilutpal Saikia, Manoj Kumar Singh | Effectiveness of ALS and ACCase Inhibitor herbicides on weed management in DSR and PTR | 7. Agro-Ecological Approaches for Biotic and Abiotic Stress Management |

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