



**Date: 20 December, 2023**

**Time: 1730 to 1930 hrs.**

**Poster Presentation Session**

**Group I: NATURAL RESOURCE MANAGEMENT (NRM)**

- **Response of Onion to Foliar Sprays of Nano fertilizers under Drip Irrigation in Semi-arid Regions of Maharashtra, India - Kailas Kale, Mahanand Mane, Devidas Khedkar and Rajendra Bhilare**, MPKV, Rahuri
- **Soil Carbon Stabilization: The Permanence of Soil Carbon Sequestration – Utkarsha Deshmukh, Ashok Pharande, Bapusaheb Bhakare, Anil Durgude, Dinesh Fulpagare**, Post Graduate Institute, MPKV Rahuri
- **Soil Organic Carbon and Soil Physical Health of India in the Context of Climate Change: A Review – Utkarsha Deshmukh, Dinesh Fulpagare, Bapusaheb Bhakare, Bhimarao Kamble and Anil Durgude**, Post Graduate Institute, MPKV
- **Influence of Foliar Sprays of Nano-Urea on Yield Attributing Characters and Yield of Wheat in Inceptisol - V.S. Patil, Prasad K, R.S. Thakare, A.B. Jadhav and M.R. Patil**, MPKV Rahuri
- **Status of current and projected climate change scenarios in MPKV, Rahuri under RCPs 2.6, 4.5, 6.0 and 8.5.- Anil Patel, S.D.Gorantiwar, M.G.Shinde and S.A.Kadam**, CAAST-CSAWM, MPKV, Rahuri
- **Development of Localized Crop Coefficient for rabi Chick Pea Using Digital Weighing type Lysimeter in Semi-Arid Climatic Conditions of Rahuri, Maharashtra, India- Janhavi Joshi, A.A.Atre, S.A. Kadam, S.D.Gorantiwar and M.G.Shinde**, MPKV Rahuri
- **Enhancing Grand Naine Banana Production with Drip and Plastic Mulch Technology – A.D.Adhav**, MPKV Rahuri
- **Wheat Evapotranspiration and Crop Coefficient using the Earth Engine Evapotranspiration Flux (EEFlux) Application - Vishal Pandey and S.A. Kadam**, MPKV Rahuri
- **Geographic Object-Based Image Analysis (GEOBIA) for Precise Soil Mapping: A Pixels-to-Polygons Approach - Vairavan C, S.R.Ingle, A.S.Gaikwad, S.U.Biradar**, MPKV, Rahuri
- **Electrical Conductivity Mapping in Soil: An Innovative Decision-Making Aid for Precision Farming - S.R. Ingle, Vairavan C, S.U.Biradar, A.S.Gaikwad, N.B.Gorde**, MPKV, Rahuri
- **Nano-fertilizer Emerging Technology in Agriculture – V. S. Patil**, MPKV, Rahuri
- **Impact of Climate Smart Agriculture Technology on the Rice-Wheat System of the Indo-Gangetic Plains of India – Dr.S.B.Sapkal, Dr. G.G. Joshi, Dr. Pramod Kumar, Dr V.A.Shinde**, MPKV, Rahuri
- **The Role of Remote Sensing And GIS For Mapping of The Groundwater Potential Zones – T.S.Chavan**, MPKV, Rahuri
- **Impact of Climate Change in Vegetable Production -Adaptation and Mitigation- A Review – Priya Pandey**, MPKV, Rahuri
- **Crop Simulation Modelling : A tool for breeding climate smart crops – L.S. Shitole, Dr. Swun Htet, Sachin Chavan**, College of Agriculture, Pune, MPKV, Rahuri
- **Applications of Advanced Technologies in Natural Resource Management: A Review - Prachiti Vasant**, MPKV, Rahuri
- **Application of Geospatial interpolation technique for Soil erodibility mapping – B.K.Gavit**, MPKV, Rahuri
- **Soybean mature date using prediction using satellite data – R.Y. Patil and A.Y. Pundkar**, MPKV, Rahuri
- **Performance of different plant growing media for production of sugarcane settlings through Phule supercane nursery technology- A.G.Durgude**, MPKV, Rahuri
- **Carbon Sequestration Studies of Thirteen Years Old Mango Orchard Grown in Inceptisol - A.V.Patil, A.B.Jadhav, D.H.Phalkhe, A.B.Gosavi, D.D.Sawale and M.R.Reddy**, Division of Soil Science, College of Agriculture, Pune, Maharashtra

- **Assessment of Nitrogen Use Efficiency through Foliar Sprays of Nano-Urea and Urea for Maize (Fodder) in Inceptisol** – **A.B.Gosavi, A.B. Jadhav, D.H.Phalke, A.V.Patil, and K.S.Uphad**, Division of Soil Science, College of Agriculture, Pune, Maharashtra

#### Group II: PLANT SCIENCE

- **Genetic enhancement of grain iron and zinc content in pearl millet** - **V. Y. Pawar, K. K. Barhate, V. R. Awari, R. T. Suryawanshi and, C. S. Thakare**, MPKV, Rahuri
- **Evaluation of heat tolerant potato genotypes in Pune region** - **M.R Deshmukh, G.M. Bansode, M.B. Khamkar, Pallavi Mahajan. R.D. Bansod**, MPKV, Rahuri
- **In vitro cultured acacia hybrids support the production of sustainable plantations in Vietnam**- **Dr. A.R. Aher**, MPKV Rahuri
- **Response of tomato (*Solanumlycopersicum* L.) grafted on wild brinjal (*Solanumtorvum* Sw.) rootstock for growth and yield** - **A.V. Chandanshive, P.B.Deore and V.S.Patil**, MPKV Rahuri
- **Climate Smart Horticulture in Citrus Fruit Crops** – **R.M. Hukare**, MPKV Rahuri
- **Precision Farming Aspects for Enhancing Various Traits of Pearl Millet in India** – **Y.A.Shaniware**, MPKV, Rahuri
- **Evaluation of heat tolerant potato genotypes in Pune region**- **D.S.Thorave**, Central Sugarcane Research Station, Padegaon, Tal.Phaltan, Dist.Satara

#### Group III: PLANT PROTECTION

- **Plant health management in Bt. cotton through foliar nutrition using SPAD meter** - **B. V. Asewar, M. S. Pendke and S.H. Narale**, VNMKV, Parbhani
- **Impact of biogenic copper nanoparticles on volatile and non-volatile compounds of *Trichoderma viride*** – **P.B. Deore, K.D.Navgire, C.V. Ambadkar, V.S. Patil, A.V.Chandanshive and C.D.Deokar**, MPKV, Rahuri
- **Antifungal activity of commercially available essential oils and its fragrance against *Alternaria solani* and *Xanthomonas campestris* pv. *vesicatoria* causing leaf blight in tomato** - **N.V. Babar, K.S.Raghuwanshi, S.G.Borkar, M.B. Khamkar**, International Potato Center (CIP), Pune, India
- **Identification of resistant sources in gladiolus against Fusarium wilt disease** – **S.R.Lohate, M.B.Shete, S.D.Gaikwad, R.D.Bansod**, MPKV Rahuri
- **Evolution of IPM modules for high density planting system of cotton**- **M.S.Bharati, S.G.Rajput, V.K.Balsane, U.B.Hole**, MPKV Rahuri

#### Group IV: MECHANIZATION

- **Foam Mat Drying - Innovative Drying Techniques for Dairy Products**- **D.D.Patange**, RCSM College of Agriculture, Kolhapur, MPKV Rahuri
- **A Comprehensive Review of Oil Palm Evolution, Historical Significance, and Modern Technological Advancements in Malaysia and India** – **G.R. Andhale**, Post graduate institute MPKV Rahuri
- **Development and performance evaluation of tractor operated sugarcane leaf detrasher cum shredder** – **T.B.Bastewad, Ravikiran Rathod, Mahesh Pacharne, Sanjay Bhngare**, Dr.ASCAE&T, MPKV, Rahuri
- **Inverted fogger in Sugarcane** – **D. B. Patil and Jaywantrao Bhosale**, Krishna College of Agriculture, Retharebk
- **Performance Evaluation of Developed Tractor Operated Automatic Mechanical Reversible Two Bottom Mould Board Plough** - **Sanjay Bhangare, Tulshidas Bastewad, Pratik Kale, Ravikiran Rathod, Mahesh Pacharne**, AICRP on FIM, MPKV, Rahuri
- **Development and Performance evaluation of reciprocating type power operated cono weeder** – **N.A.Shirsat, R.R.Mohite, S.V.Pathak, P.U.Shahare**, Dr.BSKKV, Dapoli

#### Group V: OTHERS

- **Digital agriculture as a response to the challenges in the modern agricultural sector** - **Gore Varsharani and Rathod Aishwarya**, MPKV, Rahuri

- The Phule Baliraja Agro-Advisory Application/Platform for Sustainable Farming Practices through Climate Smart Agriculture - **S.D.Gorantiwar, M.G.Shinde, Gokul Waman, Vishwambhar Rane, Dinesh Fulpagare**, MPKV Rahuri
- Comparative study on performance evaluation of water user associations in Kukadi left bank canal command area - **Shubhamsingh, Abhishek Datir**, MPKV Rahuri
- Comprehensive Evaluation of Equity Indicators through Varied Methods using MS Excel tool - **Vishal Pandey, Shubham R. Supekar, A.D. Datir**, MPKV Rahuri
- Economics of Water use and Electricity efficiency of drip v/s surface irrigation methods for cotton in Maharashtra – **D.J.Sanap, V.A.Shinde and G.G.Joshi**, MPKV, Rahuri
- Phule Smart Fertilizer Calculator- An Android and Web Application for a Digital Solution of the Futures Climate Smart Precision Farming- **R.L.Bhilare**, Central Sugarcane Research Station, Padegaon, Tal.Phaltan, Dist. Satara
- Study of Water Availability Periods for Pusad and Mahagaon Taluka of Yawatmal District- **V.K.Balsane, S.U.Borale, M.S.Bharati, R.S.Rajput**, MPKV, Rahuri
- Agro-Bioactive Components in low calorie fresh Jamun (Syzygiumcumini L.) Yoghurt- **B.D. Patil**, MPKV, Rahuri
- Drone Technology in Vidarbha Region- **R.S.Belkhede**, Farming
- Drought Resistant Bread Wheat Variety Phule Satwik (NIAW 3170) to Bakery Industries for making Biscuits and Cookies - **S.S.Dodake**, MPKV, Rahuri
- Drought Resistant Bread Wheat - **P.M.Chaudhari**, MPKV, Rahuri
- Bitter Gourd Tea: Standardization And Formulation For Preparation Of Bitter Gourd Tea - **Snehal D. Bhise, Abhijit A. Gatade and Akshaya K. Sahoo**, College of Food Technology, Acholi, Mahad



World Bank Aided ICAR-NAHEP Project  
 Centre for Advanced Agricultural Science and Technology for  
 Climate Smart Agriculture and Water Management (CAAST-CSAWM)

**Mahatma Phule Krishi Vidyapeeth, Rahuri**

413 722 Maharashtra, India

[www.mpkv-caast.ac.in](http://www.mpkv-caast.ac.in); [info.rahuri@mpkv-caast.ac.in](mailto:info.rahuri@mpkv-caast.ac.in)



Date: 20 December, 2023

Time: 1730 to 1930 hrs.

### Poster Presentation Session

- **Drones as Pollinators: A New Era in Fruit Farming** – **P. S. Jadhav, S. S. Dhupal, K. M. Boraiah, Parul Mehra**, Post Graduate Institute, MPKV, Rahuri
- **Cultivating Efficiency: The Role of Drones in Modernizing Agriculture** – **N. B. Gorde, S. G. Ahire, V. A. Gardi, M. M. Jagtap and S. R. Ingale**, PGI, MPKV, Rahuri
- **Drone Technology in Malaysian Oil Palm Plantations: Applications and Limitations** – **G.P. Chavan**, MPKV Rahuri
- **Precision Farming with Drones: A Revolution in Agriculture** – **D.D. More**, MPKV, Rahuri
- **Use of Drones in Futuristic Agriculture in India** – **U.M.Shetti, Dinesh Fulpagare**, MPKV, Rahuri
- **Implementation of Drone Technology for Precision Pest Management in Advance Agriculture** – **S.M.Mahamuni**, MPKV, Rahuri
- **An Overview on Drone Applications in Agriculture** – **K.B.Patil**, MPKV, Rahuri
- **Use of UAV and Remote Sensing Technology for Soil Monitoring** – **Lochana Gandhi**, MPKV, Rahuri
- **Unmanned Aerial Vehicle (UAV) Based Aspects Of Soil Mapping And Sensing** – **P.G.Meshram**, MPKV, Rahuri
- **Drone - A way forward to smart farming** – **Jyoti Balaji Kadam**, MPKV, Rahuri
- **The drone technology used for spraying operation in paddy crop to eradicate weeds** - **Satish**, Student
- **Drones in Agriculture: A Brief Review** – **A.N.Barve, S.B.Kharbade, A.S.Bagde**, MPKV, Rahuri
- **A Review on Applications of Drone for Crop Disease Detection and Monitoring** – **M.R.Lajurkar**, MPKV, Rahuri
- **Unlocking the potential of drones in Orchard Management** - **S.D.Magar, S.R.Shinde, S.D.Patil, P.B.Kharde**, MPKV, Rahuri
- **Study of Drone spraying for Droplet Density using Different Nozzles for Mango Orchards**-**P.U.Shahare, A.S.Ghadge, K.G.Dhande, S.V.Pathak**, Dr.BSKKV, Dapoli





Date: 20 December, 2023

Time: 1730 to 1930 hrs.

### Poster Presentation Session

- **Nutrient Management for Indoor Farming** - **A.B.Jadhavand, S. T. Majik**, Division of Soil Science, College of Agriculture Pune
- **Study on Grafting Technology in Capsicum to control soil born disease, improve yield and quality of fruits** - **Y. L. Jagdale, T. J. Jadhav, Shubhada Tayade**, Centre of Excellence for Vegetables, Krishi Vigyan Kendra, Baramati
- **Sustainable Cities through Innovative Urban Farming Practices & quot** – **S. S. Shinde, G. K. Sasane**, MPKV Rahuri
- **Plant Factories: Revolutionizing Urban Agriculture for Sustainable Food Production** – **P. B. Gunjal**, MPKV Rahuri
- **An Overview of Aeroponic Agriculture: A Rising Technology for Ensuring Global Food Security** – **S. Sanjay Chavan**, College of Agriculture ,Pune .(MPKV, Rahuri)
- **Smart Indoor Farming: Use of IoT (Internet of Thing)** – **T. V. Wankhede**, MPKV Rahuri
- **Performance of Autonomous Rover for trait detection in corn-** **S.S.Dhumal, Divya Manoj, U.S.Shinde, R.D.Pawar, S.A.Sarvade, V.N.Nale, S.B.Kharbade**, Rajarshee Chhatrapati Shahu Maharaj College of Agriculture Kolhapur
- **Integrated Pest Management in Cucumber (*Cucumissativus* L.) under Polyhouse Conditions** - **U.B.Hole, V.K.Balsane, S.U.Borale**, MPKV Rahuri
- **Effect of coloured shade nets on the growth and crop water use efficiency of Broccoli, grown under sub-tropical conditions** – **Swapnil Kiran, Ekta Pathak Mishra, Shweta Gautam, Ashish Ratn Mishra**, Sam Higginbottom University of Agriculture, Technology and Sciences
- **Performance Study of Solar Tunnel Dryer for Medicinal Purposes** - **A Pradhan, P M Chauhan, S P Cholera**, Central Agricultural University
- **Comparative Evaluation of Hydroponic Systems for Growth, Yield, and Quality of Iceberg Lettuce (*Lactuca sativa* var. capitata)** – **M.B.Khamkar, M.R.Deshmukh, R.D.Bansod, G.M. Bansode**, MPKV, Rahuri





**Venue: Grand Maratha - II, Four Points by Sheraton Hotel, Pune (MH)**

**Date: 20 December, 2023**

**Time: 1730 to 1930 hrs.**

**Poster Presentation Session**

- **Generative AI-Driven Hydroponic Nutrient Optimization in Digital Farming - Pushpadant Magdum, Sayali Shinde, Dr. Vahida Attar, Dr.R. M. Wadkar**, COEP Technological University, Pune
- **IoT based Soil Nutrients Management System for Smart Agriculture - Sujal Sanjay**, MPKV, Rahuri
- **Sensors: smart technology for efficient management of ornamentals under protected conditions – a review – R. K. Srivastava, Sheeba Belwal, Ajit Kumar, Satish Chand and B.D. Bhuj, G.B. Pant**, University Of Agriculture And Technology
- **IoT enabled Hydroponics Farming Technology - S. T. Majik, S. D. Gorantiwar, M. G. Shinde and A. A. Atre**, CAAST-CSAWM, MPKV, Rahuri
- **IoT's and Soil Sensors: New Tools for Soil Health Management - D.D. Fulpagare, S.D. Gorantiwar and M. G. Shinde**, MPKV Rahuri
- **Maximizing Canal Efficiency: A Digital Approach for Sustainable Water Management in Agriculture – A. D. Datir, Vishal Pandey, S. R. Supekar**, MPKV Rahuri
- **Comparative Analysis of Soil Moisture Sensors: Evaluating Performance Across Various Working Principles – T. L. Nawale and V. S. Malunjkar**, MPKV Rahuri
- **Yield constraint analysis of lowland organic rice at Annapurna farm, South India: Crop modelling APSIM - P.R.Kaledhonkar**, Jaywantrao Bhosale Krishna College of Agriculture, Retharebk,
- **Automated Canal Irrigation Systems using Decision Support System with Supervisory Control and Data Acquisition technology – S.R. Supekar, A.D. Datir and Vishal Pandey**, MPKV, Rahuri
- **Internet of Things: Current Trend In Plant Protection – N. A. Napte**, Post Graduate Institute, MPKV, Rahuri
- **EM-38: On the go soil mapping tool – S.U. Biradar**, MPKV, Rahuri
- **Innovative Approaches in Agriculture lot solution for plant disease Diagnosis using Deep learning –D. V. Bhokse**, MPKV, Rahuri
- **Real-time nutrient stress monitoring in plants through optical sensors – Priyanka Negi, A. G. Ravi and R. S. Wagh**, PGI, MPKV, Rahuri
- **Application of lots and Sensors in Post Harvest Management of Agricultural Produce – V. P. Kad, Ganesh Shelke, R.B.Kukde**, MPKV, Rahuri

- **Recent Advances and Applications of IoT In Post-Harvest Supply Chain Management: Review – Avishkar Rajkumar Ikade**, MPKV,Rahuri
- **Application of IoT for Precision Agriculture – G.V.Kale**, Dr.ASCAE&T, MPKV, Rahuri
- **Transfiguring Impact of Climate Change on Dairy Animals by use of AI, IoT with Smart Mitigation Strategies – D.H.Kankhare, S.H.Mane, S.B.Bhalerao**, Indigenous Cattle Research cum Training Center (ICRTC) Division of AHDS, Agriculture College, Pune
- **Empowering Dairy Farmers: Advancing Livestock Management with IoT enabled Temperature Humidity Index (THI) based Advisory System – S.H.Mane, D.H.Kankhare**, Indigenous Cattle Research cum Training Center (ICRTC) Division of AHDS, Agriculture College, Pune
- **Optimizing Poultry Health and Productivity Through IoT based Monitoring Systems – M.U. Tanpure**, Deptt. of AHDS, PGI, MPKV,Rahuri
- **IoT-based Soil Health Monitoring for Precision Agriculture – S.V. Bhosale**, MPKV, Rahuri
- **PhuleJal: Android Based Application to Estimate the Reference Evapotranspiration for Efficient Water Management in Agriculture – N.R. Dugad, S.D. Gorantiwar, and S.A. Kadam**, MPKV, Rahuri
- **IoT Technology in Horticulture- S.R.Shinde**, MPKV, Rahuri
- **Empowering Dairy Farmers: Advancing Livestock Management with IoT enabled Temperature Humidity Index (THI) based Advisory System – S.H.Mane and D.H.Kankhare**, Indigenous Cattle Research cum Training Center (ICRTC) Division of AHDS, Agriculture College, Pune



World Bank Aided ICAR-NAHEP Project  
**Centre for Advanced Agricultural Science and Technology for  
 Climate Smart Agriculture and Water Management (CAAST-CSAWM)**

**Mahatma Phule Krishi Vidyapeeth, Rahuri**

413 722 Maharashtra, India

[www.mpkv-caast.ac.in](http://www.mpkv-caast.ac.in); [info.rahuri@mpkv-caast.ac.in](mailto:info.rahuri@mpkv-caast.ac.in)



Date: 20 December, 2023

Time: 1730 to 1930 hrs.

Poster Presentation Session

- Performance evaluation of variable rate fertilizer applicator on maize crop - **P. P. Pawase, S. M. Nalawade, G. B. Bhanage and A.A. Walunj**, MPKV, Rahuri
- Pioneer study on real-time N-P-K application - **P. P. Pawase, S. M. Nalawade, G. B. Bhanage and A.A. Walunj and P. B Kadam**, MPKV, Rahuri
- AI Techniques and Robotics in Agriculture: Applications, Benefits and Challenges - **Prof. M. M. Patil**, Modern College of Arts, Science and Commerce (Autonomous), Shivajinagar, Pune
- Advancing Agriculture with Robotics: Insights from Oil Palm Plantations in Malaysia - **Omkar Rajmane, Shraddha Shewale, Pritam Patil and Pankaj Raundal**, Dept. of Agril. Meteorology, College of Agriculture, Shivajinagar, Pune
- Revolutionizing Agriculture: A Comprehensive Reviews of Ro-botics for Sustainable Agriculture - **D. D. More**, MPKV, Rahuri
- Machine Vision Applications for Weed Mapping and Detection - **A.K.Kanade, M.P.Potdar, Arvinda Kumar and B. N. Gurupada Balol**, University of Agricultural Sciences, Dharwad
- Scenario of Agriculture Robot: Background, Challenges and Policy – **A. A. Walunj**, MPKV, Rahuri



World Bank Aided ICAR-NAHEP Project

Centre for Advanced Agricultural Science and Technology for  
Climate Smart Agriculture and Water Management (CAAST-CSAWM)

**Mahatma Phule Krishi Vidyapeeth, Rahuri**

413 722 Maharashtra, India

[www.mpkv-caast.ac.in](http://www.mpkv-caast.ac.in); [info.rahuri@mpkv-caast.ac.in](mailto:info.rahuri@mpkv-caast.ac.in)







Date: 20 December, 2023

Time: 1730 to 1930 hrs.

### Poster Presentation Session

- Automatic drone-based hyperspectral image classification for crop mapping: development and implementation of an object-based spectral library - **Harsha Chandra, Rama Rao Nidamanuri**, Indian Institute of Space Science and Technology
- Importance of Seed Cotton Moisture in Development of Instrument for Ginning Percent Measurement - **P. S. Deshmukh, V. G. Arude, M. K. Mahawar, D. M. Kadam and C. Ram**, ICAR-CIRCOT
- Global Positioning System (GPS) and Geographic Information System (GIS) applications in Horticulture: New approach - **L. B Thulasiram, S. D. Gorantiwar, M. G. Shinde and S. A. Kadam**, CAAST - CSAWM, MPKV, Rahuri
- Drought Monitoring and Management: Leveraging Multispectral and Hyperspectral Imaging - **Pritam Patil, Omkar Rajmane, Shraddha Shewale and Jaywant Jadhav**, Dept. of Agril. Meteorology, College of Agriculture, Shivajinagar, Pune
- A Comprehensive Overview of Spectral Imaging in Biotic Stress Management - **Shraddha Shewale, Pritam Patil and Omkar Rajmane**, MPKV, Rahuri
- A Comprehensive Framework for Real-Time Assessment of Pests and Diseases Using Artificial Intelligent (AI) – **A. S. Bade, S. D. Gorantiwar, S. A. Kadam, Pawan Kulwal and M. G. Shinde**, CAAST-CSAWM, MPKV, Rahuri
- A review on satellite and drone based remote sensing technology for sustainable weed management – **K. D. Rajput**, CAAST-CSAWM, MPKV, Rahuri
- Collection and identification of spectral signature of different crops through ground based proximal remote sensing technology - **Sumit Kakade, R K Nema, Om Prakash Prajapati, Krishna Singh, Rachit Nema**, Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur
- Smart Farming: Proximal Hyperspectral Sensing for Abiotic Stress in Plant – **A. S. Gaikwad**, MPKV Rahuri
- Hyperspectral Imaging: Advanced Precision Tool for Accurate Plant Disease Detection – **V. P. Kharbadkar**, MPKV Rahuri
- Unveiling the Spectrum: Applications of Hyperspectral Imaging in Precision Agriculture - **D.D. More**, MPKV, Rahuri
- Development of Remote Sensing Based Index for Estimation of Suspended Sediment Concentration – **P.B.Khaire**, MPKV, Rahuri
- Hyperspectral Imaging for Plant Breeding Applications – **Pawan Kulwal, Sunil Kadam, Vishal Pandey, Suresh Dodake, Kiran Raghuvanshi, Shailesh Kumbhar, Yuvraj Balgude**, MPKV, Rahuri
- Identification of Primary Spectral Band of Sodium Sulphate in Water by Spectroradiometer: A Comprehensive Analysis - **P. P. Bansode, Dr. D G Regulwar, Dr. S D Gorantiwar, Dr. S. A Kadam**, Government College of Engineering Chhatrapati, Sambhajinagar
- Precision Organic Nutrient Management: An Integrated Approach Using Hyperspectral Imaging, Field Spectroscopy, and Variable Rate Applicators – **M.D.Gurav**, MPKV, Rahuri
- Artificial Intelligence for Agricultural Development- **P.B.Kharde, S.D.Patil, S.D.Magar, S.R.Shinde**, MPKV, Rahuri
- Role of spectral response of crop for precision irrigation management – **S.K.Dingre and S.D.Gorantiwar**, MPKV Rahuri

