

## PROGRAMME SCHEDULE

International Conference on Trailblazing Trends in Sustainable Climate-Resilient Precision  
Agriculture through Artificial Intelligence and Remote Sensing

January 23-24, 2025

Junagadh Agricultural University, Junagadh,

<b>Day 1, 23.01.2025, Thursday</b>		
Timing, Hrs	Particular	Location
8:30 to 9:00	Registration	
09:00 to 10:55	Inaugural Session	
10:55 to 11:10	High Tea	
11:10 to 13:20	<p><b>Keynote Lectures Session</b>  <b>Chairman: Dr. S. N. Jha</b>                      Deputy Director General, (Agril. Engg.)                      ICAR, New Delhi</p> <p><b>Co-Chair: Dr. Rameshwar S. Kanwar</b>                      Distinguished Professor,                      Iowa State University, Ames, Iowa, USA</p> <p><b>Rapporteur: Dr. H. V. Parmar</b>                      Assoc. Prof., JAU, Junagadh</p>	
11:10 to 12:00	<p><b>Water: How Secure are We?</b>                      - <b>Dr. Vijay P. Singh</b>, Distinguished Professor, Regents Professor, Dept. of Biological and Agricultural Engineering &amp; Zachry Dept. of Civil &amp; Environmental Engineering, Texas A&amp;M University, USA.</p>	Seminar Hall, College of Veterinary Science and Animal Husbandry, KU, Junagadh. <a href="https://maps.app.goo.gl/TQZRCEh9dtrkgC4t9">https://maps.app.goo.gl/TQZRCEh9dtrkgC4t9</a>
12:00 to 12:40	<p><b>Advancing Sustainable Agriculture through AI and Remote Sensing: Strategies for Climate Resilience in Farming Systems and Effective Natural Hazard Management</b>                      - <b>Dr. Biswajeet Pradhan</b>, Distinguished Professor and Director, Centre for Advanced Modelling and Geospatial Information Systems (CAMGIS), Faculty of Engineering and IT University of Technology Sydney, Australia</p>	
12:40 to 13:20	<p><b>From Genes to Fields: Leveraging Genomics, High-Throughput Phenotyping, and AI for Smarter Crops</b>                      - <b>Dr. Mahendar Thudi</b>, Research Professional, College of Agriculture, Family Sciences and Technology, Fort Valley State University, Gorgia, USA</p>	
13:20 to 15:00	Lunch	Pari Talav Botanical Garden <a href="https://maps.app.goo.gl/pfU7N969ytHoi2wb8">https://maps.app.goo.gl/pfU7N969ytHoi2wb8</a>
15:00 to 17:30	Parallel Technical Sessions I to VI (As per attached Schedule)	College of Agricultural Engineering and Technology, JAU, Junagadh <a href="https://maps.app.goo.gl/dNEu41m1xN7iNX9W8">https://maps.app.goo.gl/dNEu41m1xN7iNX9W8</a>
18:00 to 19:30	Cultural Programme	Sardar Patel Sabha Gruh <a href="https://maps.app.goo.gl/F5xUQfumVyWAFDvt6">https://maps.app.goo.gl/F5xUQfumVyWAFDvt6</a>
20:00 to 21:00	Dinner	Pari Talav Botanical Garden
<b>Day 2, 24.01.2025, Friday</b>		
08:00 to 09:00	Breakfast	Pari Talav Botanical Garden
09:00 to 10:15	Poster Presentation Session (I to VI)	Pari Talav Botanical Garden
10:30 to 13:00	Parallel Technical Sessions I to VI (As per attached Schedule)	College of Agricultural Engineering and Technology, JAU, Junagadh
10:00 to 13:00	Parallel Farmers-Academia-Industry Meet	Sardar Smriti Kendra Hall, JAU, Junagadh <a href="https://maps.app.goo.gl/BEM9nES5KTLv4aNU7">https://maps.app.goo.gl/BEM9nES5KTLv4aNU7</a>
13:00 to 14:30	Lunch	Pari Talav Botanical Garden
14:30 to 16:30	Valedictory Session and Award Ceremony	Conference Hall, College of Veterinary Science and Animal Husbandry, KU, Junagadh

**PROGRAMME SCHEDULE OF PARALLEL TECHNICAL SESSIONS**  
**International Conference on Trailblazing Trends in Sustainable Climate-Resilient Precision**  
**Agriculture through Artificial Intelligence and Remote Sensing**  
**January 23-24, 2025**  
**JAU, Junagadh,**

<b>Technical Session 1:- Precision in Soil and Water Management: Sensors to Satellites</b>			
<b>Venue: Hall-1 (Seminar Hall), CAET, JAU, Junagadh</b>			
<b>Chairman :- Dr. Ashish Pandey</b> , Professor and former Head of Dept. of Water Resources Development and Management, Indian Institute of Technology, Roorkee			
<b>Co-Chairman :-</b>			
1. <b>Dr. H. D. Rank</b> , Principal and Dean, College of Agril. Engg. and Tech. JAU, Junagadh			
2. <b>Dr. Deepak Swami</b> , Associate Professor of Civil Engineering, IIT Mandi, Himachal Pradesh			
<b>Rapporteurs :-</b>			
1. <b>Prof. H. H. Mashru</b> , CAET, JAU, Junagadh			
<b>Facilitator:- Prof. G. D. Gohil</b> , CAET, JAU, Junagadh			
<b>LEAD LECTURES</b>			
<b>Day 1:- 23.01.2025, Thursday, 15:00 to 16:30 h</b>			
15:00 to 15:20	<b>Lead Lecture 1:-</b> Treatment and reuse of wastewater for irrigation – case study of India with potential proposed solutions with incentive-based policies	<b>Dr. Rameshwar S. Kanwar</b> Distinguished Professor, Agricultural and Water Resources Engineering, Dept. of Agril.and Bio systems Engg., Iowa State University, Ames, Iowa, USA	
15:20 to 15:40	<b>Lead Lecture 2:</b> A systematic Approach for Watershed Management under Changing Climatic Condition	<b>Dr. R. P. Rudra</b> Professor, Water Resources Engineering School of Engineering, University of Guelph, Ontario, Canada	
15:40 to 16:00	<b>Lead Lecture 3:-</b> Emerging Challenges and Solutions for Irrigation and Soil Water Conservation in Light of Climate Change	<b>Dr. H. D. Rank</b> Principal and Dean, CAET, JAU, Junagadh	
16:00 to 16:15	<b>Silver Pumps</b> Presentation		
16:15 to 16:30	<b>Ambuja Foundation</b> Presentation		
<b>ORAL PRESENTATIONS</b>			
<b>Day 1:- 23.01.2025, Thursday, 16:30 to 17:30 h</b>			
<b>Timing for Each Presentation:- 5 Minutes Presentation, 3 Minutes Discussion</b>			
Sr. No.	Paper ID	Title	Presenter
1	ICTPAIRS-1.62	Impact of Some Unforeseen Factors on Natural Groundwater Recharge Process at National Level	<i>M. J. Kaledhonkar, Gaurav Singh, Devrajsinh I. Thakor, D. Dinesh and M. Madhu</i> Head, ICAR- IISWC, Research Centre, Vasad, Anand
2	ICTPAIRS-1.23	Evaluation of Irrigation Methods and Irrigation Scheduling for Melia Dubia Cav.	<i>P. K. Shrivastava, A. P. Lakkad, N. S. Thakur, Dhaval Bhuva and Axay H. Jagani</i> CAET, NAU, Dediapada
3	ICTPAIRS-1.6	Determination of Crop Coefficients for Summer Green Gram at Nagpur Station	<i>M. M. Deshmukh, R. S. Talole, A. N. Mankar, S. B. Wadatkar</i> Dept. of IDE, Dr. PDKV, Akola
4	ICTPAIRS-1.7	Characterization of watershed using Morphometric Analysis - A review	<i>P.M. Ingle, G.V. Prajapati, Prajakta Labade</i> Dept. of IDE, CAET, DBSKKV, Dapoli
5	ICTPAIRS-1.40	Managed Aquifer Recharge System in Region: A Review	<i>Shiv Narayan Singh, Dr. Vikram M Patel, Thomas M. Hanna</i> DCE, Ganpat University, Ahmedabad
6	ICTPAIRS-1.48	Bio-Engineering Measures for Ravine Slope Stabilization and Sustainable Productive Utilization in Ravines Lands of	<i>Gaurav Singh, D. Dinesh, Dinesh Jinger, Raj Kumar, V. D. Kakade, B. K. Rao, Saswat Kumar Kar, Nandha Kumar Natrajan, A. K. Singh, M. J. Kaledhonkar, M. Madhu</i> ICAR-IISWC, Research Center, Vasad, Anand
7	ICTPAIRS-1.53	Rejuvenation of Low Yielding Bore Wells Vis-À-Vis Ground Water Augmentation Through Recharge Filter in Semi-Arid Region of Karnataka	<i>B. S. Naik, Ravi Dupdall, S. L. Patil And B. K. Rao</i> ICAR- IISWC, Research Centre, Ballari (Karnataka), India

**ORAL PRESENTATIONS CONTINUE**  
**Day 2:- 24.01.2025, Thursday, 10:30 to 13:00 h**

8	ICTPAIRS-1.25	Development and Performance Evaluation of Mini Tractor operated Plastic Mulch Laying Machine	<i>R. M. Satasiya, A.V. Kothiya, M. A. Sojitra, P. P. Gajjar, P. M. Chauhan</i> Polytechnic in Agril. Engg., JAU, Targhadia
9	ICTPAIRS-1.54	Spatiotemporal Comparative Study of Snow Cover Variability Over the Himalayan Region by Using Modis Satellite Data	<i>Surendra P. Singh And Swagatika Jena</i> Dept. BEAS, CAET, NAU, Dediapada
10	ICTPAIRS-1.64	Multispectral and Thermal Remote Sensing for Surface Soil Moisture Estimation in Semi-Arid Region	<i>Parmar, H. V., Pandya, P. A., Patel, R. J., Bagada, P. J. and Damor, P. A.</i> JAU, Junagadh
11	ICTPAIRS-1.24	Aquifer Mapping Of Uben River Basin And Recharge Planning	<i>P. B. Vekariya, R. J. Patel, H. D. Rank</i> AICRP on Irrigation Water Management, Dept. of IDE, CAET, JAU, Junagadh
12	ICTPAIRS-1.20	Regional Rainfall Frequency Analysis of Bhadar Basin using L-Moment Approach	<i>H. Y. Maheta, H. D. Rank, G. V. Parajapati, Kalpesh Kumar and C. R. Bharodia</i> Post Graduate Institute of ABM, JAU, Junagadh
13	ICTPAIRS-1.21	Design and Development of a Cost-Effective IoT-Based Real-Time Monitoring System for Temperature, Humidity, and Soil Moisture	<i>R. J. Patel, K. C. Patel, D. J. Patel, P. H. Rank, P. J. Bagada</i> CAET, JAU, Junagadh
14	ICTPAIRS-1.14	Introducing a New Drought Index: The Standardized Precipitation Dry Days Index (SPDDI) and Its Comparison with Standardized Precipitation Index (SPI)	<i>P. A. Pandya, G. V. Prajapati, D. D. Vadalia, S. H. Parmar and D. J. Patel</i> Centre of Excellence on Soil and Water Management, RTTC, JAU, Junagadh
15	ICTPAIRS-1.46	Comparing Open-Source Rainfall Data Products for Predicting Paddy Yield in Middle : A Machine Learning Approach	<i>Bhojani S. H., Pandya P. A., Tiwari M. K. And Ram Bhavin</i> Directorate of IT, AAU, Anand
16	ICTPAIRS-1.50	Response of Growth and Yield of Summer Groundnut (Arachis hypogaea L.) to Irrigation Scheduling and Antitranspirants	<i>N. D. Baria, P. R. Varde And A. K. Saini</i> Dept. of Agronomy, NAU, Navsari
17	ICTPAIRS-1.9	Assessment of Village-Level Flood-Affected Areas in The Ghed Region of Saurashtra,	<i>Duda B. Balas, Nirav K. Pampaniya, S. V. Viyol, Ram J. Mevada, D. P. Patel</i> FRM, College of Forestry, NAU, Navsari
18	ICTPAIRS-1.1	Design of Sewage Treatment Plant (STP) for Sanosara Village	<i>Dhruvi Asodia, Sumit Raghuvanshi, Mohit Sidhdhapara, Dhaval Thanki And Anish Jantrania</i> CAET, JAU, Junagadh
19	ICTPAIRS-1.63	Long-Term Maize Evapotranspiration Trends Derived from Ground-Based Datasets for Godhra using Food and Agriculture Organization's Penman-Monteith method	<i>Devrajsinh I. Thakor, M. L. Gaur, Gaurav Singh And M. J. Kaledhonkar</i> ICAR- IISWC, Research Centre, Vasad
20	ICTPAIRS-1.19	Modelling Streamflow in Machhundri River Basin with SWAT and ANN Approaches	<i>K. M. Gojiya, N. K. Gontia, K. C. Patel, G. V. Prajapati, S. K. Chavda &amp; S. K. Gaadhe</i> Agriculture Research Station, JAU, Mahuva
21	ICTPAIRS-1.72	Impact of Land Configurations and Irrigation Systems on Growth and Yield of Wheat ( <i>Triticum aestivum</i> L.)	<i>S. H. Parmar, D. D. Vadalia, G. V. Prajapati and P. A. Pandya</i> Centre of Excellence on Soil and Water Management, RTTC, JAU, Junagadh
22	ICTPAIRS-1.67	Impact of Drip Irrigation Lateral Configurations on Wheat Yield	<i>D. D. Vadalia, G. V. Prajapati, S. H. Parmar and P. A. Pandya</i> Centre of Excellence on Soil and Water Management, RTTC, JAU, Junagadh
23	ICTPAIRS-1.43	Assessment of Uncertainty in Future Climate Change Impacts on Water Resources	<i>Paras Hirapara, H. D. Rank, H. V. Parmar, R. J. Patel, G. V. Prajapati, P. A. Pandya</i> RTTC, JAU, Junagadh
24	ICTPAIRS-1.69	Identification of Groundwater Potential Zone of Meghal Basin Using Remote Sensing and GIS	<i>S R Makvana, P B Vekaria, K V Prajapati</i> RTTC, JAU, Junagadh

**Technical Session 2:- : Precision Farm Machinery and Renewable Energy Sources for Sustainable Agriculture****Venue: Hall – 5 (Robotics Lab), CAET, JAU, Junagadh****Chairman :- Dr. P. M. Chauhan**, Ex. Principal and Dean, CAET, JAU, Junagadh**Co-Chairman:-**1. **Dr. Satya Prakash Kumar**, Scientist, Agril. Mechanization Division, ICAR-CIAE, Bhopal, Madhya Pradesh**Rapporteurs :-**

1. Dr. V. R. Vagadiya, Assc. Prof., CoA, JAU, Junagadh

**Facilitator: -** Dr. S. V. Kelaiya, Asstt. Prof., CAET, JAU, Junagadh**LEAD LECTURES****Day 1:- 23.01.2025, Thursday, 15:00 to 15:40 h**

15:00 to 15:20	<b>Lead Lecture 1:-</b> Agri Volitics: Shaping the Future of Sustainable Agriculture	<b>Dr. P. M. Chauhan</b> Retired Pro. REE Dept. CAET, JAU, Junagadh
15:20 to 15:40	<b>Lead Lecture 2:</b> Revolutionizing Precision Farming: Application of Machine Learning and Artificial Intelligence in Agricultural Machinery Systems	<b>Dr. Satya Prakash Kumar</b> Scientist, Agricultural Mechanization Division, ICAR-CIAE, Madhya Pradesh

**ORAL PRESENTATIONS****Day 1:- 23.01.2025, Thursday, 15:40 to 17:30 h****Timing for Each Presentation:- 5 Minutes Presentation, 3 Minutes Discussion**

Sr. No.	Paper ID	Title	Presenter
1	ICTPAIRS-2.1	Investigation on Tractor Operated Pelleting Machine for Densified Fuel Production from Argo Residues	<i>S. R. Kalbande and S.T. Patil</i> Director, PDKV- RIF
2	ICTPAIRS-2.38	Mechanized Bund Cutting Operation for Paddy Cultivation	<i>Mrudulata Deshmukh, Mukesh Soyam, Bhagyashree Patil and Suchita Gupta</i> Dept. of FMPE, PDKV, Akola
3	ICTPAIRS-2.41	Development of Single Phase One Horse Power Operated Groundnut Stripper	<i>Sourav Patel, S. k. Badjena, P. C. Padhi</i> Dept. of Metallurgical and Materials Engineering, Veer Surendra Sai University of Technology (VSSUT), Burla, Odisha
4	ICTPAIRS-2.11	Experimental Investigations of Solar Bifacial Photovoltaic Modules for Vertical Mounting Agri-Voltaics	<i>Nayana Valand, Sravankumar Jogunuri, D.K. Vyas, Jijnasha Bal</i> Dept. of REE, CAET, AAU Godhra
5	ICTPAIRS-2.12	Integrating Hydroponics and Aquaponics in Green House: Insights into Light Intensity and Crop Performance	<i>Shranoy Roy Chowdhury, D. K. Vyas, Sravankumar Jogunuri</i> Dept. of REE, C.A.E.T, AAU, Godhra
6	ICTPAIRS-2.22	Impact of SPRERITECH Cookstove in Anand District of : A Case Study	<i>Dr. Amrita Doshi, Er. Shradhdha Trivedi, Er. Urvish Patel</i> Extension Division, Sardar Patel Renewable Energy Research Institute, Anand
7	ICTPAIRS-2.20	Precision Farming and Ergonomic Approaches in Cotton and Groundnut Cultivation: Enhancing Efficiency and Sustainability in Agricultural Practices of Odisha	<i>Kumudini Verma, Santosh Kumar Mohanty And Ipsita Rath</i> Dept. of FMPE, CAET, OUAT, Bhubaneswar

**ORAL PRESENTATIONS CONTINUE****Day 2:- 24.01.2025, Thursday, 10:30 to 13:00 h**

8	ICTPAIRS-2.5	Development and Performance Evaluation of Mini Tractor Mounted Sweep Blades Weeder	<i>V. R. Vagadia, P. H. Rank, Rajvir Yadav, P. N. Vavaliya and D. B. Chavda</i> Farm Engineering Dept., JAU, Junagadh
9	ICTPAIRS-2.4	Development and application of deep learning driven microcontroller-based automatic feed dispenser for sustainable poultry production	<i>Abhijit Khadatkhar, U.C. Dubey, V. Pagare, A. Subeesh, M. Din, A .P. Magar and C.P. Sawant, CIAE Bhopal</i>
10	ICTPAIRS-4.3	Application of Artificial Intelligence and Machine Learning Approach For Sustainable Climate-Resilient Precision Agriculture Using Convolution Neural Network	<i>Dr. Vishvjit Thakar</i> , School of Engineering, Indrashil University, Anand
11	ICTPAIRS-2.18	An Unmanned Agricultural Vehicle for Precision Planter Using Mechatronic Technology	<i>V. S. Vala, R. Yadav, N. B. Parmar, A. K. Roul, Bikram Jyoti &amp; R. R. Potdar</i> ICAR-CIAE, Bhopal, Madhya Pradesh

12	ICTPAIRS-5.11	Experimental Investigation on Open-Core Downdraft Gasifier for Bio-char Production and Gaseous Fuel from Castor Stalk	S. V. Kelaiya, U. D. Dobariya and J. M. Makavana Dept. of REE, CAET, JAU, Junagadh
13	ICTPAIRS-2.28	Performance Evaluation of Power Tiller Operated Seed cum Fertilizer Drill	R. H. Sabalpara, A. L. Lakhani, S. B. Hirapara And S. Jena Dept. of PFE, CAET, JAU, Junagadh
14	ICTPAIRS-2.36	Scenario of Agriculture Robot: Background, Challenges and Policy	Avdhoot Walunj, Sachin Nalawade, Pravin Kadam Dept. of Farm Machinery and Power Engineering, Dr. ASCAE&T, MPKV, Rahuri
15	ICTPAIRS-2.15	Design and Development of Rotary Weeder for Small Farming System	Vaibhavkumar R. Dama, J. P. Singh, T. D. Mehta, Nandan P. Delvadiya Dept. of FMPE, CAET, JAU, Junagadh

**Technical Session 3 : Precision Engineering Solutions for Agricultural Processing and Value Addition**  
**Venue: Hall – 4 (CAD Lab), CAET, JAU, Junagadh**

**Chairman:** - Dr. A. K. Varshney, Retired Professor & Head, Dept. of PFE, CAET, JAU, Junagadh

**Co-Chairman:** -

1. Dr. M. N. Dabhi, Professor and Head, Dept. of PFE, JAU, Junagadh

**Rapporteurs:** -

1. M. J. Gojiya, Asstt. Prof., CAET, JAU, Junagadh

**Facilitator:** - Dr. D. K. Gojiya, Asstt. Prof., CAET, JAU, Junagadh

**LEAD LECTURE**

**Day 1:- 23.01.2025, Thursday, 15:00 to 15:20 h**

15:00 to 15:20	<b>Lead Lecture 1:-</b> Application of Precision Engineering for the Development of Value-added Cookies from Green Banana Flour	<b>Dr. P. S. Pandit</b> Assistant Professor, Dept. of Post-Harvest Technology, NAU, Navsari
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**ORAL PRESENTATIONS**

**Day 1:- 23.01.2025, Thursday, 15:20 to 17:30 HRS**

**Timing for Each Presentation:- 5 Minutes Presentation, 3 Minutes Discussion**

Sr. No.	Paper ID	Title	Presenter
1	ICTPAIRS-3.4	Effect of Feed Moisture Content, Die Temperature and Screw Speed of Extruder on Physical and Functional Properties of Pearl Millet Flour Extrudate	M. N. Dabhi, D. K. Karangiya, R. V. Bharadava and S. M. Sondarva PFE Dept., CAET, JAU, Junagadh
2	ICTPAIRS-3.3	Production Technology of Pomegranate Molasses	S. H. Akbari, Dholu Uttam, S. V. Anadani, Ameer Ravani College of FPT & Bio Energy, AAU, Anand
3	ICTPAIRS-3.24	Development of Jute Fibre Quality Assessment System	Nageshkumar, T., Prateek Shrivastava, D. B. Shakyawar, Biplab Saha and Avijit Das ICAR-National Institute of Natural Fibre Engineering and Technology, 12, Regent Park, Kolkata
4	ICTPAIRS-3.27	Performance Evaluation of Brush Type Pulper for Standardization of Moringa Pod Pulp Extraction	Dr. Ameer Ravani, Dr. S. V. Anadani, Dr. Gayatree Jadeja, Dr. S. H. Akbari College of FPT & Bio Energy, AAU, Anand
5	ICTPAIRS-3.31	Measurement and Monitoring of Respiration of Tomato and Banana using Internet of Things (IoT) and Electronic Sensors	Tanmay H. Bhatt, V. B Bhalodiya, Vishal I. Mehra Dept. of Food Process Engineering, College of FPT&BE, AAU, Anand
6	ICTPAIRS-3.33	Comparative Performance Study of different types of Jute/Mesta Fibres Extractors	Vidya Bhushan Shambhu, Prateek Shrivastava, Nageshkumar T, Manisha Jagadale, Laxmi kanta Nayak and Abhay Kumar Thakur ICAR- National Institute of Natural Fibre Engineering and Technology, Kolkata
7	ICTPAIRS-3.25	Standardization of Preservation Method for Better Shelf Life and Microbial Stability of Prickly Pear Juice	P. R. Davara, A. K. Varshney, V. P. Sangani s, Dept. of PFE Dept., CAET, JAU, Junagadh
8	ICTPAIRS-3.38	Fortification of Cookies with Little Millet Flour and Jaggery	G. B. Yenge, B. G. Gaikawad, G.S. Nevkar and V. B. Gedam AICRP on Post-Harvest Engineering and Technology, Regional Sugarcane and Jaggery Research Station, Kolhapur

<b>ORAL PRESENTATIONS CONTINUE</b>			
<b>Day 2:- 24.01.2025, Thursday, 10:30 to 13:00 h</b>			
9	ICTPAIRS-3.6	Comparative Study on Solar Drying of Different Tomato Varieties	<i>M. J. Gojiya, N. B. Parmar, J. M. Makavana and G. S. Kharadi</i> Dept. of REE, CAET, JAU, Junagadh,
10	ICTPAIRS-3.37	Iot Sensor-Based Gas Detection Device for Stored Fruits	<i>Bhagyashree N. Patil, Suchita V. Gupta, Kishor S. Argade, Alokumar and Mrudul D. Deshmukh</i> Dept. of APE, PDKV, Akola, India
11	ICTPAIRS-3.10	Impact of Process Parameters on Textural Attributes of Sesame ( <i>Sesamum indicum L.</i> ) Spread	<i>Devanand Gojiya, Vanraj Gohil, Mukesh Dabhi and Navnitkumar Dhamsaniya</i> Polytechnic in Agro-processing, JAU, Junagadh, India
12	ICTPAIRS-3.1	Solar Tunnel Drying for Spices: A Novel Alternative to Traditional Sun Drying	<i>S P Cholera, G V Prajapati, P M Chauhan, M S Dulavat, S V Kelaiya</i> AICRP on PEASEM, Dept. Renewable Energy Engineering, CAET, JAU, Junagadh
13	ICTPAIRS-3.12	Optimizing Drying Conditions for Red Flesh Dragon Fruit: A Response Surface Methodology Approach to Enhance Nutritional Quality	<i>R. H. Sabalpara, S. P. Cholera, P. R. Davara, U. K. Kandoliya, M. N. Dabhi</i> Dept. of PFE, CAET, JAU, Junagadh
14	ICTPAIRS-3.13	Application of Bionano composites in food packaging: A novel approach toward greener packaging	<i>Devani B. M, Sangani V. P., Jani B. L.</i> Dept. of PFE, CAET, JAU, Junagadh
15	ICTPAIRS-3.16	Ohmic Heating Based Food Processing Technology for Enhancing Product Quality And Process Efficiency	<i>G. S. Kharadi, N. B. Parmar, G. D. Gohil, D. S. Thanki</i> JAU, Junagadh, India
16	ICTPAIRS-3.18	Impact of Blanching Treatments on the Physico-Chemical Attributes of Fenugreek Dried Using Solar Tunnel Technology	<i>A. V. Bhogesara, M. J. Gojiya, R. H. Sabalpara, D. J. Faldu</i> Dept. of REE, CAET, JAU, Junagadh
17	ICTPAIRS-3.19	Image-Based Protocol for Automated Lemon Grading: A Technological Approach	<i>G. D. Gohil, P. R. Davara, G. S. Kharadi</i> JAU, Junagadh
18	ICTPAIRS-3.36	Assessing the Impact of Drought Stress at the Flowering Stage on Nutritional Content of Finger Millet ( <i>Eleusine Coracana</i> )	<i>Sagar K Jadav, Harshal E Patil, Anita C. Solanke, Rajesh D. Vekariya</i> Dept. of Genetics and Plant Breeding, College of Agriculture, NAU, Waghai
19	ICTPAIRS-3.35	Influence of Grinding Methods and Sieve Sizes on the Functional Properties of Turmeric ( <i>Curcuma longa</i> ) Powder	<i>P. S. Sapariya And M. N. Dabhi</i> Dept. of PFE, CAET, JAU, Junagadh

**Technical Session 4 : Advancements in Sustainable Crop Production Technologies: Seed to Harvest**

**Venue: Hall – 2, CAET, JAU, Junagadh**

**Chairman:- Dr. R. B. Madariya**, Director of Research, JAU

**Co-Chairman:-**

1. **Dr. Y. H. Ghelani**, Registrar, JAU, Junagadh
2. **Dr. Pradnya S. Kadam**, Professor, PDKV, Akola

**Rapporteurs :-**

1. **Dr. M. V. Variya**, Asstt. Res. Sci., Cotton Research Station, JAU

**Facilitator: -** Dr. S. V. Lathia, Asstt. Prof., Plant Pathology, JAU, Junagadh

**LEAD LECTURES**

**Day 1:- 23.01.2025, Thursday, 15:00 to 15:20 h**

15:00 to 15:20	<b>Lead Lecture 1:-</b> Climate-Friendly Pest Control: Harnessing Beneficial Insects, Microorganisms and Biopesticides	<b>Dr. Ghelani, Y. H</b> Registrar, JAU, Junagadh
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**ORAL PRESENTATIONS**

**Day 1:- 23.01.2025, Thursday, 15:20 to 17:30 h**

**Timing for Each Presentation:- 5 Minutes Presentation, 3 Minutes Discussion**

Sr. No.	Paper ID	Title	Presenter
1	ICTPAIRS-4.8	Impact of Weather Parameters on Incidence of Spodoptera Litura Infesting Soybean	<i>Makani, J. D., Bhut, J. B. and Dudhatra, M. C.,</i> Dept. of Entomology, CoA, JAU, Junagadh

2	ICTPAIRS-4.50	Evaluation of Ecofriendly Approaches for Management of Gram Pod Borer H. Armigera in Chickpea	<i>Pradnya S. Kadam and Vandana D. Mohod</i> Pulses Research Unit, PDKV, Akola, (M.S.)
3	ICTPAIRS-4.52	Compatibility of Insecticides with Foliar Nutrients in Chickpea	<i>Dr. Prerna B. Chikte, Dr. Archana W. Thorat, Dr. Pradnya S. Kadam, Dr. A. K. Sadawarte, Dr. Varsha Tapre</i> College of Agriculture, Akola, Dr. PDKV, Akola
4	ICTPAIRS-4.45	Effect of Phytoecdysteroids on Growth and Development of Insect	<i>K. J. Bhuva, S. D. Patel, B. D. Barad and H. R. Desai</i> Dept. of Entomology, N. A. College of Agriculture, NAU, Navsari
5	ICTPAIRS-4.74	Developing Climate-Resilient Rice Varieties for Flood-Prone Regions: A Trait-Based Approach	<i>Bhagyasri Majhi, Boddu Sangavi, Indu Kale And Sonali Kar</i> Section of Genetics and Plant Breeding, S. G. College of Agriculture and Research Station (IGKV, Raipur), Kumhrawand, Jagdalpur, Bastar, Chhattisgarh
6	ICTPAIRS-4.78	Assessment of Variability at Morphological Levels in Indian Barnyard Millet ( <i>Echinochloa Frumentacea L.</i> )	<i>G. D. Vadodariya, Madhavi Nitesh, H. E. Patil And P.A. Vavdiya</i> AICRP- SM, Hill Millet Research Station, NAU, Waghai
7	ICTPAIRS-4.59	Comparative Study of Natural Farming, Organic Farming and Integrated Production Technologies in Rice - Groundnut and Rice - Sweet Corn Cropping Systems	<i>Mhaskar N. V., Bhagat S. B., Sagvekar V. V., Waghmode B. D. and Shingare P. E.</i> AICRP on IFS, Regional Agricultural Research Station, Karjat, Dist. Raigad (M.S.)
8	ICTPAIRS-4.15	Examination of the Relationships Among Morphological and Biochemical Traits Affecting Green Fodder Yield in Forage Maize ( <i>Zea mays L.</i> ) Using Correlation and Path Coefficient Analysis	<i>Tejaskumar H. Borkhatariya, Dipakkumar P. Gohil, Praful M. Sondarava, C. M. Godhani, Bhavesh D. Bhatiya, Jaimin M. Vadodariya And Kuldeep M. Akbari</i> Dept. of Genetics and Plant Breeding, B. A. College of Agriculture, AAU, Anand
9	ICTPAIRS-4.16	Genetic Variability and Association Studies for Yield and Fiber Quality Traits in Interspecific Hybrids of Cultivated Tetraploid Cotton	<i>Jaimin M. Vadodariya, B. C. Patel, Sushil Kumar, P. M. Sondarava, Mahendrasinh L. Chauhan, T. H. Borkhatariya</i> Dept. of Genetics and Plant Breeding, AAU, Anand
10	ICTPAIRS-4.18	Standardization of Different Doses of Poison Baits Against Fall Armyworm, Spodoptera Frugiperda (J. E. Smith) Infesting Maize	<i>Rakholiya T. D, Khanpara A. V., Gondaliya B. V., Bhumika Solanki</i> Dept. of Entomology, CoA, JAU, Junagadh
11	ICTPAIRS-4.26	Susceptibility of Different Green Gram Varieties /Genotypes Against Pulse Beetle, Callosobruchus Maculatus (F.) In Storage Condition	<i>Vaghasiya, D. R., Shah, K. D., Pansara, T. D., Nandaniya, M. G. And Solanki Bhumika</i> Office of Registrar, JAU Junagadh
<b>ORAL PRESENTATIONS CONTINUE</b>			
<b>Day 2:- 24.01.2025, Thursday, 10:30 to 13:00 h</b>			
12	ICTPAIRS-4.32	Compound Growth Rate, Temporal Changes, Instability in Area, Production and Productivity and Decomposition Analysis of Major Seed Spices in	<i>Sinha. Anushka K, Thakar K.P., C. Soumya, Joshi Rahul K.</i> Dept. of Agril. Economics, NAU, Navsari
13	ICTPAIRS-4.34	Performance of Marvel Grass Under Different Levels of Irrigation and Fertilizers in Coastal Soil of South	<i>V. A. Patel, S. L. Pawar, H. K. Joshi, H. B. Vaidya, B. B. Patel And V. R. Naik</i> Soil and Water Management Research Unit, NAU, Danti-Umbharat, Navsari
14	ICTPAIRS-4.54	Community based Sequential Rice - cum - Fish Farming in NICRA Village Jatipura of Puri District, Odisha	<i>Dipsika Paramjita, Ambika Prasad Nayak, Sumita Acharya, Surya Narayan Mishra, and Pranay Pradhan</i> Krishi Vigyan Kendra, Puri
15	ICTPAIRS-4.41	Integrated Approach for Management of Pulse Beetle (Callosobruchus Sp.) in Green Gram.	<i>Juneja R. P., Patoliya, B. V., Ghelani, Y. H, Dhedhi, K. K. and Mungra, K. D.</i> Pearl millet Research Station, JAU, Jamnagar
16	ICTPAIRS-4.43	Sustainable Nutrition Management in Niger ( <i>Guizotia abyssinica L.</i> ) by Foliar Spray	<i>Dipika G. Chaudhari, Munira S. Mandviwala</i> Dept. of Agronomy, NMCA, NAU, Navsari
17	ICTPAIRS-4.68	Integrated Species-Specific Disease Control Strategies for Managing Alternaria Leaf Blight in Sunflowers in Southern Karnataka	<i>Divyashree, C. P. Manjula, S. D. Nehru</i> AICRP on sunflower and Directorate of Research, UAS, GKVK, Bangalore

18	ICTPAIRS-4.69	Economic Assessment of Spider Lily Cultivation with Plant Growth Regulators: Yield, Cost and Profitability Analysis	<i>Dhruvi Prajapati, Kaushik Solanki And N. S. Joshi</i> Dept. of Floriculture and Landscape Architecture, ASPEE College of Horticulture, NAU
19	ICTPAIRS-4.72	Challenges of the Low Production and Ways for the Improvements of Small Millets in and India	<i>Harshal E. Patil, G. D. Vadodariya And Sagar K. Jadav</i> AICRP-SM, Hill Millet Res.Station, NAU, Waghai
20	ICTPAIRS-4.75	Effect of Foliar Application of Different Liquid Organics on Growth in Cucumber ( <i>Cucumis sativus L.</i> ) cv. Local	<i>Yuvrajsinh D. Chavda, H. N. Leua, Vrushti S. Tandel, Nayan R. Rupala</i> Dept. of Vegetable Science, College of Horticulture, S. D. Agricultural University, Jagudan

**Technical Session 5 : Soil Health Management and Plant Nutrient Optimization**

**Venue: Hall -3, CAET, JAU, Junagadh**

**Chairman:- Dr. A. R. Pathak**, Ex. Vice Chancellor, JAU, Junagadh

**Co-Chairman:-**

1. **Dr. C. D. Lakhlani** Principal, PGIABM, JAU, Junagadh

2. **Dr. P. D. Kumawat**, Principal & Dean, COA, JAU, Junagadh

**Rapporteurs :-**

1. Dr. H. V. Vasava, Asstt. Prof., CoH, JAU

**Facilitator: -** Dr. M. K. Ghelani, Asstt. Prof., Entomology, JAU, Junagadh

**LEAD LECTURES**

**Day 1:- 23.01.2025, Thursday, 15:00 to 16:00 h**

15:00 to 15:20	<b>Lead Lecture 1:-</b> Enhancing Soil Organic Carbon: Organic and Natural Farming Practices for Sustainable Soil Health and Biodiversity	<b>Dr. P. D. Kumawat</b> Principal & Dean, COA, JAU, Junagadh
15:20 to 15:40	<b>Lead Lecture 2:-</b> Nature Positive Agricultural Practices for Enhanced Soil Health and Greenhouse Gas Mitigation	<b>Dr. Sangeeta Lenka</b> Principal Scientist (Soil Physics) Division of Environmental Soil Science ICAR-Indian Institute of Soil Science, <b>Bhopal</b>
15:40 to 16:00	<b>Lead Lecture 3:-</b> Enhancing Nutrient Use Efficiency through Modern Soil Testing and Advanced Fertilization Strategies	<b>Dr. K. B. Parmar</b> Principal, Polytechnic in Agriculture, JAU, Sidsar, Junagadh

**ORAL PRESENTATIONS**

**Day 1:- 23.01.2025, Thursday, 16:00 to 17:30 h**

**Timing for Each Presentation:- 5 Minutes Presentation, 3 Minutes Discussion**

Sr.	Paper ID	Title	Presenter
1	ICTPAIRS-5.8	Characterization of Spatial Variability of Nutritional Status of Night Soil Compost from Dry Toilets Under Dry Temperate Zone of Himachal Pradesh	<i>Pooja Kumari, Dr. Narender K. Sankhyan And Gaytri Hetta</i> Dept. of Soil Science, CSK Himachal Pradesh Krishi Vishwavidyalaya, Palampur, Himachal Pradesh
2	ICTPAIRS-5.9	Soil Fertility Status and Correlation of Available Macro and Micronutrients in Paonta Valley of Sirmour District in Himachal Pradesh	<i>Yashika Mandela, Dr. Uday Sharma, Professor M. L. Verma And Pooja Kumari</i> Dept. of Soil Science and Water Management, Dr. Yashwant Singh Parmar University of Horticulture and Forestry, Nauni, Solan (HP)
3	ICTPAIRS-5.77	Farmers Awareness and Perception Regarding Agricultural Drone Technology	<i>B. N. Kalsariya, J. V. Chovatia, B. H. Tavethiya, V. N. Chavda, and S. J. Parmar</i> Dept. of Agril. Extension, COA, JAU, Junagadh
4	ICTPAIRS-5.12	Integrating Advanced Technologies and Sustainable Practices for Enhanced Soil Health Management and Plant Nutrient Optimization	<i>Jinali Shah, Dr. K Santhosh Kumar, Dr. Pujan Vaishnav</i> Soil and Water Testing Laboratory, Agro Development and Agro Services Dept., GSFC Limited, Vadodara
5	ICTPAIRS-5.13	Farmers' Aspirations for Advanced Post-Harvest Methods for Groundnut Cultivation	<i>J. V. Chovatia, P. N. Vavaliya, B. V. Patoliya, S. J. Sindhi and P. N. Panchani</i> Dept. of Agri. Extension, COA, JAU, Junagadh
6	ICTPAIRS-5.19	Influence of Farm Power Availability in Sustainable Agriculture: A Case Study of Paddy Cultivation in India	<i>Ipsita Rath, Padma Lochan Pradhan, Kumudini Verma</i> Dept. of FMPE, CAET, OUAT, Bhubaneswar, Odisha

7	ICTPAIRS-5.27	Performance and Stability Analysis of Citrus Fruits Exports from India	A. B. Vaza, P. R. Dudhatra and Pushpa Yadav Dept. of Agricultural Economics, CoA, JAU, Junagadh
<b>ORAL PRESENTATIONS CONTINUE</b>			
<b>Day 2:- 24.01.2025, Thursday, 10:30 to 13:00 h</b>			
8	ICTPAIRS-5.28	Evaluation of Farming Systems on Organoleptic Qualities, Soil Health and Economic Viability in Papaya ( <i>Carica papaya L.</i> ) cv. GJP 1	V. M. Parmar, D. R. Kanzaria and K. D. Mithapara Dept. of Fruit Science, CoH, JAU, Junagadh
9	ICTPAIRS-5.35	Effect of Saline Irrigation Water on Yield and Nutrient Content of Onion ( <i>Allium Cepa L.</i> ) Varieties	Patel Janki A., Patel P. H. And Vekaria L. C Dept. of Agricultural Chemistry & Soil Science; CoA, JAU, Junagadh
10	ICTPAIRS-5.38	Response of Sweet Corn ( <i>Zea mays L. var. Saccharata</i> ) to Nano Urea under Precision Nitrogen Management	Ravindra M. Muchhadiya And P. D. Kumawat Dept. of Agronomy, CoA, JAU, Junagadh
11	ICTPAIRS-5.45	Impact of Community Radio on Promoting Renewable Energy Solutions for Sustainable Agriculture	Foram Joshi, Dr. Serene Shekhar Dept. of Extension Education and Communication Management, ASPEE College of Nutrition and Community Science, SDAU
12	ICTPAIRS-5.49	Split Application of Nitrogen levels on Fodder Sorghum	Patel, A. J. Patel H. K., Rathod P. H., Patel P. M. Raval C. H. And Chavda Krishna Dept. of Agronomy, B. A. CoA, AAU, Anand
13	ICTPAIRS-5.58	Phosphorus Efficiency and Partitioning Dynamics in Sesame: A Synergy of Bio-organic and Inorganic Fertilizers	Munira S Mandviwala Dept. of Agronomy, N. M. CoA, NAU, Navsari
14	ICTPAIRS-5.63	Prevalence of Musculoskeletal Discomfort in Agricultural Operations Amongst Farm Women of Dantiwada Taluka	Mugdhaba Dabhi And Surabhi Singh Dept. of Resource Management and Consumer Science, ASPEE College of Nutrition and Community Science, SDAU
15	ICTPAIR-5.75	Status of Toxic Heavy Metals (Cd, Ni, Pb & Cr) in the Soils Saurashtra Region of	A. S. Jadeja, D. V. Parkhia, L. C. Vekaria, B. S. Gohil and K.B.Parmar JAU, Junagadh

### Technical Session 6 : Precision and AI Synergies for Sustainable Horticultural Practices

**Venue: Hall-6 (AI Lab), CAET, JAU, Junagadh**

**Chairman:- Dr. Praveen Sharma**, Founder, Flora Consult, Pune

**Co-Chairman:-**

1. **Dr. D. K. Varu**, Principal and Dean, College of Horticulture, JAU, Junagadh

2. **Dr. Suchita V. Gupta**, Dept. of Farm Structures, CAET, Dr. PDKV, Akola

**Rapporteurs :-**

1. C. R. Bharodia, *PGIBM, JAU*

**Facilitator: -** Dr. J. S. Parsana, Asstt. Prof., CoH, JAU, Junagadh

### LEAD LECTURES

**Day 1:- 23.01.2025, Thursday, 15:00 to 16:00 h**

15:00 to 15:20	<b>Lead Lecture 1:</b> Revolutionizing Indoor Farming: Enhancing Sustainability and Energy Efficiency through <i>Revoponics</i> in Vertical Farming Systems	<b>Dr. Praveen Sharma</b> Founder, Flora Consult, Pune
15:20 to 15:40	<b>Lead Lecture 2:</b> Climate Change and Horticultural Crops: Impacts, Mitigation Strategies, and Adaptation Practices	<b>Dr. D. K. Varu</b> Principal and Dean, CoH, JAU, Junagadh
15:40 to 16:00	<b>PIDILITE Industries Ltd.</b> Presentation	<b>Dr. Virendrasingh</b> Centre In-charge, PIDILITE

### ORAL PRESENTATIONS

**Day 1:- 23.01.2025, Thursday, 16:00 to 17:30 h**

**Timing for Each Presentation:- 5Minutes Presentation, 3 Minutes Discussion**

Sr. No.	Paper ID	Title	Presenter
1	ICTPAIRS-6.31	Effect of Cross-Compatibility on Quality Parameters in Mango cv. Kesar	K. D. Mithapara, A. M. Butani, V. M. Parmar and D. K. Varu Dept. of Fruit Science, CoH, JAU, Junagadh
2	ICTPAIRS-6.45	Cultivation of Spinach in Automated Multitier Hydroponic Structure	Suchita V. Gupta, Bhagyashree N. Patil, Rohini P. Parkhe, Rajesh P. Murumkar, Mrudulata M. Deshmukh

			Dept. of Farm Structures, CAET, Dr. PDKV, Akola, India
3	ICTPAIRS-6.1	Effect of INM on Growth, Yield and Quality of Custard Apple ( <i>Annona squamosa L.</i> ) cv. Sindhan	<i>Gondaliya Rikshita R., N. D. Polara, Bhadarka Chandni R. And J. S. Parsana</i> Dept. of Horticulture, CoH, JAU, Junagadh
4	ICTPAIRS-6.10	Impact of Growth Retardants on Dwarfism, Flowering, Yield and Quality of Papaya Cv. GJP 1	<i>Bhadarka Chandni R., D. R. Kanzaria, Gondaliya Rikshita R., Odedra Harshali N., Janika Vallabhbbhai Bhadarka</i> Dept. of Horticulture, CoH, JAU, Junagadh
5	ICTPAIRS-6.11	Estimation of Combining Ability for Fruit Yield and Its Attributing Traits in Brinjal ( <i>Solanum Melongena L.</i> )	<i>Gondaliya B. R., Patel K. D., D. R. Mehta and S. V. Mavani</i> Dept. of Vegetable Science, CoH, JAU, Junagadh
6	ICTPAIRS-6.19	Evaluation of Rose Varieties for Grow Bag Culture in Thiruvarur Region of Cauvery Delta	<i>Siddhi Rathore, S. Manivannan</i> Dept. of Floriculture and Landscape Architecture, NAU
7	ICTPAIRS-6.27	The Potential of Chitosan in Production and Preservation of Cut Flowers	<i>Srushti K. Pandya, Dr. Bhavesh B. Patel, Janika V. Bhadaraka, Disha M. Thanki</i> Dept. of Floriculture and Landscaping, ASPEE College of Horticulture, NAU, Navsari, Gujara
<b>ORAL PRESENTATIONS CONTINUE</b>			
<b>Day 2:- 24.01.2025, Thursday, 10:30 to 13:00 h</b>			
8	ICTPAIRS-6.28	Effect of Fertigation Schedule on Growth, Yield, Quality and Nutrient Status of Soil and Cladode of Dragon Fruit ( <i>Hylocereus Polyrhizus Britton &amp; Rose</i> )	<i>Disha M. Thanki, Dr. K. D. Patel, Puri H. Rajatiya And Srushti K. Pandya</i> Dept. of Horticulture, B. A. College of Agriculture, A.A.U., Anand
9	ICTPAIRS-6.29	Optimizing Growing Conditions for Successful Plant Propagation	<i>Tirth A. Patel, Parthiba Rana and G. D. Patel</i> Dept. of Floriculture and Landscape Architecture, ASPEE College of Horticulture, NAU, Navsari
10	ICTPAIRS-6.9	Pruning and Nutrient Integration: Key Factors for Improving Growth And Yield In Custard Apple ( <i>Annona Squamosa L.</i> ) Cv. Sindhan	<i>J. S. Parasana, Shivani Patel, D. K. Varu and H. J. Senjaliya</i> College of Horticulture, JAU, Junagadh
11	ICTPAIRS-6.46	A Cost-Effective Phenotyping of Fruit Crops Using an iPad Pro Lidar Sensor Application	<i>J. R. Korat, M. Sankaran</i> Division of Fruit Crops, ICAR-Indian Institute of Horticultural Research, Hesaraghatta Lake Post, Bengaluru
12	ICTPAIRS-6.6	Effect of Bio-Stimulants and Multi-Micronutrients on Flowering, Fruiting, Yield and Quality of Guava ( <i>Psidium guajava L.</i> ) Cv. Allahabad safeda	<i>S. K. Bhuva, H. M. Mathukiya, N. D. Polara and R. L. Chitroda</i> Dept. of Horticulture, CoA, JAU, Junagadh
13	ICTPAIRS-6.22	Biorationals Management of Mango Hopper infesting Mango ( <i>Mangifera indica L.</i> ) cv. Kesar	<i>H. N. Patel, K. P. Baraiya, D. R. Kanzariya and H. J. Senjaliya</i> College of Horticulture, JAU, Junagadh

**POSTER PRESENTATIONS****Date: 24/01/2025 Time: 9:00 to 10:15****Venue: Pari Talav, Botanical Garden, JAU, Junagadh****Theme 1:- Precision in Soil and Water Management: Sensors to Satellites**

<b>Sr. No.</b>	<b>Paper ID</b>	<b>Title</b>	<b>Presenter</b>
1	ICTPAIRS-1.11	Delineation of Potential Groundwater Recharge Zones in the Kutch Region of State Using RS & GIS and MCDA Techniques	<i>S. V. Baria, H. D. Rank, B. B. Limbasiya, R. M. Satasiya, Akansha Gritesh and Manoj Sojitra</i> Polytechnic in Agril. Engg. JAU, Targhadia
2	ICTPAIRS-1.12	Effect of Irrigation Regimes On Broccoli Cultivation in Soilless Media Under Natural Ventilated Net-Cum-Polyhouse	<i>Sojitra M. A., Satasiya R. M., Vadaria A. N., Rank H. D. and Chauhan P. M.</i> MDFRS, JAU, Targhadia
3	ICTPAIRS-1.15	Temperature Dynamics in Junagadh, Under Climate Change: Insights from Regional Climate Models	<i>Ananya Mishra and H.D. Rank</i> Dept. of SWCE, CAET, JAU, Junagadh
4	ICTPAIRS-1.16	Effect of DEM Resolution On Topographic Factor of Revised Universal Soil Loss Model	<i>A. P. Lakkad, P. K. Shrivastava, K. N. Sondarva</i> CAET, NAU, Dediapada
5	ICTPAIRS-1.17	Application of Geographic Information System (GIS) In Watershed Management	<i>Tejasveeta Bavishi and Dr. Serene Shekhar</i> Dept. of Extension Education and Communication Management, ASPEE College of Nutrition and Community Science, SDAU, S. K. Nagar
6	ICTPAIRS-1.2	Brinjal ( <i>Solanum melongena L.</i> ) Crop Response to Fertigation Levels under Surface and Subsurface Drip Irrigation	<i>S. A. Gevariya, N. M. Marakna, B. V. Patoliya, S. V. Kelaiya, Y. H. Ghelani and G. V. Prajapati</i> JAU, Junagadh
7	ICTPAIRS-1.26	Identification of Agricultural Drought and Climatic Variability of Junagadh & Rajkot District Under Saurashtra Zone of	<i>J. G. Hirapara, S. K. Bhuva, G. V. Prajapati, P. A. Pandya</i> Centre of Excellence on Soil and Water Management, Fruit Research Station, Mangrol
8	ICTPAIRS-1.27	Enhancing Soil Moisture Sensors for Optimized Agricultural Water Management a Comprehensive Review	<i>P. J. Bagada, P. A. Damor, R. J. Patel, K. C. Patel, D. J. Patel, H. V. Parmar, P. H. Rank, P. B. Vekariya</i> CAET, JAU, Junagadh
9	ICTPAIRS-1.29	Identification of Groundwater Recharge Potential Zones in The Dediapada Block of Using Remote Sensing & GIS and AHP	<i>Sondarva K. N., Jayswal P. S., Lakkad A. P. and Patel V. A.</i> CAET, NAU, Dediapada
10	ICTPAIRS-1.3	Groundwater Recharge Estimation of Dhatarwadi River Basin	<i>Jayswal, P. S., Gontia, N. K. and Sondarva, K. N.</i> Krishi Vigyan Kendra, JAU, Amreli
11	ICTPAIRS-1.30	Water Quality Evaluation Using Weighted Arithmetic Index Method in The Veri Dam of Gondal Taluka, Rajkot,	<i>Dhiraj Kumar, G. V. Prajapati, Ayush Ranjan, Anshul Pal</i> Dept. of SWCE, JAU, Junagadh
12	ICTPAIRS-1.31	Estimation of Slope Length Factor (L) and Slope Steepness Factor (S) Of RUSLE Model in the Ozat River Basin by Remote Sensing and GIS	<i>Dhodia J. B., Mashru H. H., Parmar H. V. and Rank H. D.</i> Dept. of Soil and Water Conservation Engineering, CAET, JAU, Junagadh
13	ICTPAIRS-1.32	Assessment of Runoff Potential Across : A Study Using Region- Specific Weighted Curve Numbers and the SCS CN Method	<i>Yadav Anjali, Vekariya, P. B., Parmar, H.V.</i> Dept. of Soil and Water Engineering, CAET, JAU, Junagadh
14	ICTPAIRS-1.36	Simulating Sprinkler Distribution Pattern in Windy Condition Using Artificial Neural Network	<i>Ram Vaibhav M, N. K. Gontia, R. M. Satasiya, D. S. Hirpara</i> Main Dry Farm Research station, JAU, Junagadh
15	ICTPAIRS-1.45	Artificial Rainfall Simulators for Soil Erosion Studies: Design, Applications, And Future Directions	<i>Jadav Pragnesh A., Dhodia Jugnu B., Pandya P. A., Vadalida D. D., Parmar S. H. and Makwana S. R.</i> Dept. of Soil and Water Conservation Engineering, CAET, JAU, Junagadh
16	ICTPAIRS-1.47	Estimation of Reference Crop Evapotranspiration and Irrigation Scheduling of Wheat for the Saurashtra Region	<i>Sahil Bloch, P.A. Pandya, Dhaval Methiya, Urvashi Vadher</i> Dept. of Soil and Water Engineering, CAET, JAU, Junagadh
17	ICTPAIRS-1.52	Precise Crop Classification of Hyperspectral Images Using Neural Network Based Feature Extraction and Classification Model	<i>Swati Priya, Ranendu Ghosh</i> Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar

18	ICTPAIRS-1.55	AI-Powered Innovations in Agriculture: Enhancing Efficiency, Precision, and Sustainability Through Advanced Technologies	<i>Monika Tikariha, Sonali Harinkhere, Nisha Yadu, Ramnath, Prerna Jaiswal, Sweety Anant</i> Dept. of Soil Science and Agricultural Chemistry, Indira Gandhi Krishi Vishwavidyalaya, Raipur-492012, Chhattisgarh, India
19	ICTPAIRS-1.56	Precision Nitrogen Management using Smart Tools and Sensors	<i>B. S. Gohil, S. K. Chhodvadia, L. C. Vekaria and A. S. Jadeja</i> Dept. of Agronomy, JAU, Junagadh
20	ICTPAIRS-1.59	Drones and Hyperspectral Imaging for Precision Soil Mapping	<i>Sukirti Kumari</i> CCS Haryana Agricultural University, Hisar

**Theme 2:- : Precision Farm Machinery and Renewable Energy Sources for Sustainable Agriculture**

Sr.	Paper ID	Title	Presenter
1	ICTPAIRS-2.2	A Comparative Study of Drone Spraying and Conventional Spraying for Precision Agriculture	<i>Gaadhe S. K., Chavda D. B., Mehta T. D., Chavda S. K., Gojiya K. M. and Bandhiya R. D.</i> Dept. of FMPE, CAET, JAU, Junagadh
2	ICTPAIRS-2.3	Design and Development of Automated Inter and Intra Row Weeder Cum Sprayer Precision Farming	<i>P. R. Balas, M. N. Gajera, P. Mohnot and T. D. Mehta</i> Dept. of Farm Machinery and Power Engineering, CAET, JAU, Junagadh
3	ICTPAIRS-2.10	Key Factors in Groundnut Digger Performance: An Analytical Review	<i>A. L. Lakhani, N. B. Bharad, J. M. Makavana, D. J. Faldu, V. S. Vyas, R. K. Kathiria and A. L. Vadher</i> Dept. of FMPE, CAET, JAU, Junagadh
4	ICTPAIRS-2.13	Precision Agriculture: Parameter-Based Optimizing Spraying Drone for Okra Farming	<i>N. B. Bharad, V. R. Vagadia, A. L. Lakhani, B. M. Khanpara and D. B. Chavda</i> Dept. of FMPE, CAET, JAU, Junagadh
5	ICTPAIRS-2.16	Development and Performance Evaluation of a Self-Propelled Chickpea Harvester for Enhancing Mechanization in India	<i>N.P. Delvadiya, Dr. R.K. Kathiria, Dr. T.D. Mehta and V.R. Dama</i> Dept. of FMPE, CAET, JAU, Junagadh
6	ICTPAIRS-2.21	Revolutionizing Cotton Harvesting: A Comparative Study of Modified and Existing Knapsack Cotton Picker	<i>B. M. Khanpara, R. K. Kathiria, T. D. Mehta, N. B. Bharad, N. B. Parmar, Ravina Parmar</i> Dept. of FMPE, CAET, JAU, Junagadh
7	ICTPAIRS-2.26	Indian Scenario of Biomass Availability and It's Bioenergy Conversion	<i>Amitkumar Datta, Chirag Bharodia, Radhika J Bani, Patel Vedanti, Nayi Meet and Nariya Jeni</i> PGIABM, JAU, Junagadh
8	ICTPAIRS-2.27	Development and Performance Evaluation Of PVC Lemon Harvester	<i>G. J. Ram, M. V. Chauhan, J. R. Gorasiya, A. L. Vadher</i> Dept. of renewable energy engineering, CAET, JAU, Junagadh
9	ICTPAIRS-2.30	Leveraging Drone Technology To Optimize Irrigation Practices Through Comprehensive Soil And Water Monitoring	<i>Niraj Kumar, G.V. Prajapati, P. A. Pandya, Dhiraj Kumar</i> Dept. of Soil and Water Conservation Engineering, College of Agricultural Engineering & Technology, JAU, Junagadh
10	ICTPAIRS-2.35	The Role of UAV Sprayers in Modern Agriculture: Advances, Efficacy, and Challenges: A Review	<i>Chavda D. B., Mehta T. D., Dulawat M. S., Gaadhe S. K., Bandhiya R. D.</i> Dept. of Farm Machinery and Power Engineering, CAET, JAU, Junagadh
11	ICTPAIRS-2.39	Precision Farming Techniques: A Review	<i>Swastik Kulkarni and Mrudulata Deshmukh</i> Dept. of Farm Machinery and Power Engineering, Dr Panjabrao Deshmukh Krishi Vidyapeeth, Akola (MS)
12	ICTPAIRS-2.40	Comparative Study of Wood Polymer Composites and FRP in Farm Machinery for Sustainable Agriculture	<i>Sourav Patel, S. k. Badjena, P. C. Padhi</i> Dept. of Metallurgical and Materials Engineering, Veer Surendra Sai University of Technology (VSSUT), Burla, Odisha
13	ICTPAIRS-2.8	Contribution of Renewable Energy Technologies with Climate Resilient Approach in Agricultural Systems	<i>D. J. Faldu, M. S. Dulawat, A. Lakhani, S. V. Kelaiya, J. M. Makavana</i> Dept. of Renewable Energy Engineering, CAET, JAU, Junagadh

### Theme 3 : Precision Engineering Solutions for Agricultural Processing and Value Addition

Sr. No.	Paper ID	Title	Presenter
1	ICTPAIRS-3.14	Nutritive Extruded Products: A Better Option for Fasting	<i>Er. P.P. Vora, Dr. P.R. Davra, Dr. S.P. Cholera</i> Polytechnic in Agro-Processing, JAU, Junagadh
2	ICTPAIRS-3.15	Development, Characterization And Physicochemical Evaluation Of Tomato-Fortified Khaman	<i>Ulpa Patel, Navneet Kumar, V. K. Chandegara, Anurag Singh</i> Dept. of PFE, CAET, AAU, Godhra
3	ICTPAIRS-3.21	Ready-To-Reconstitute And Instant Mix Millet Products: A Comprehensive Review Of Biochemical, Processing Techniques And Sensory Attributes	<i>Ravina Parmar, Neeraj Seth, Rajdeep Gandhi, Renuka Rathod, V. S. Vyas, Neha Bharti, B. M. Khanpara</i> Dept. of PFE, CAET, AAU, Godhra
4	ICTPAIRS-3.22	Foam Mat Drying For Nutrient Preservation: A Comprehensive Review Of Techniques And Applications	<i>Neha Bharti, Neeraj Seth, Ravina Parmar and V.S. Vyas</i> Dept. of PFE, CAET, AAU, Godhra
5	ICTPAIRS-3.26	Response Surface Modelling For Preparation Of Extruded Snacks By Blending Of Pearl Millet And Defatted Peanut Flour,	<i>Dhruv Chocha, P. R. Davara, Rina Sabalpara</i> Dept. of PFE, CAET, JAU, Junagadh
6	ICTPAIRS-3.28	Employment of Precision Controlled Systems in the Dehydration and Preservation of Fruits and Vegetables: A Review	<i>Sima Kachhot and Dr. Serene Shekhar</i> Dept. of Food Science and Nutrition, ASPEE College of Nutrition and Community Science, SDAU, Dantiwada
7	ICTPAIRS-3.29	Exploring The Functional And Nutritional Benefits Of Blending Of Defatted Peanut Flour In The Preparation Of Extruded Products	<i>Ashish Kumar, P R Davara, Shubham Yadav, Darshal V, and Anjali M</i> Dept. of PFE, JAU, Junagadh
8	ICTPAIRS-3.39	Optimization of Process Parameters for Development of Protein enriched Mango Bar	<i>Renuka Rathod, K. R. Jethva and Navneet kumar</i> Dept. of PFE, CAET, AAU, Godhra
9	ICTPAIRS-3.5	A Review on Non-Destructive Methods for Fruit Quality Assessment Using Image Processing	<i>Shubham Yadav, N. K. Dhamsaniya, G. D. Gohil, M. N. Dabhi, Dhiraj Kumar, Kapil Verma</i> Dept. of PFE, JAU, Junagadh

### Theme 4 : Advancements in Sustainable Crop Production Technologies: Seed to Harvest

Sr. No.	Paper ID	Title	Presenter
1	ICTPAIRS-4.4	Guardians of The Insect Realm: Symbiotic Mediation For Host Protection	<i>Bhumi D. Barad, Kaushik D. Parmar, M. G. Nandaniya, Krishna J. Bhuva, Nimish A. Bhatt</i> College of Agriculture, JAU, Junagadh
2	ICTPAIRS-4.5	Morphometrics study of okra shoot and fruit borer, <i>Earias vittella (Fabricius)</i>	<i>M. G. Nandaniya, H. V. Patel, Bhumi D. Barad, S. K. Chawda, Y. H. Ghelani</i> College of Agriculture, JAU, Junagadh
3	ICTPAIRS-4.7	Revolutionizing Seed Science: The Role of Machine Learning and AI In Enhancing Agricultural Innovation: A Review	<i>Anjali V. Barad and R. B. Mori</i> Dept. of Seed Science and Technology, College of Agriculture, JAU, Junagadh
4	ICTPAIRS-4.12	Biorationals Management of Aphid, <i>Lipaphis Erysimi (Kalt.)</i> In Mustard	<i>Bhut, J. B., Bharadiya, A. M. and Madariya, R. B.</i> Main Oilseeds Research Station, JAU, Junagadh
5	ICTPAIRS-4.14	Correlation Studies and Path Coefficient Analysis in Upland Cotton [ <i>Gossypium Hirsutum L.</i> ]	<i>M. K. Butani, C. M. Godhani, R. J. Chhodavadiya, T. H. Borkhatariya and M. C. Patel</i> Dept. of GPB, N. M. CoA, NAU, Navsari
6	ICTPAIRS-4.19	AI In Agriculture - A Futuristic Approach	<i>V. S. Vyas, Ravina Parmar, A. L. Lakhani, Neha Bharti, Pankaj Gupta, Neeraj Seth and Rajdeep Gandhi</i> Dept. of PFE, CAET, AAU, Godhra
7	ICTPAIRS-4.20	AI in Agriculture: The Future of Farming	<i>Chhodavadia Y. H., Chhodavadia H. C. and Ghelani Y. H.</i> Subhash University, Junagadh
8	ICTPAIRS-4.21	Evaluation of Insecticidal Toxicity Against Aphid, <i>Lipaphis Erysimi (Kaltenbach)</i> And Coccinellid, <i>Hippodamia (Adonia) Variegata Goeze</i>	<i>Chaudhary, S. M., Solanki, Bhumika, Shah, K. D., Vaghasiya, D. R. and Patel, D. V.</i> Dept. of Entomology, College of Agriculture, JAU

9	ICTPAIRS-4.22	Key Insights to Develop Drought-Resilient Soybean: A Review	<i>Ruchit B. Mori and Anjali V. Barad</i> Dept. of Seed Science and Technology, College of Agriculture, JAU, Junagadh
10	ICTPAIRS-4.23	Rice Genome Sequencing: A Comprehensive Review of Its Journey	<i>Nilesh Chauhan, Chirag Chandramaniya and Mukeshkumar Parmar</i> Dept. of Genetics and Plant Breeding, AAU, Anand
11	ICTPAIRS-4.24	Correlation and Path Coefficient Analysis in Spanish Bunch Groundnut ( <i>Arachis Hypogaea L.</i> )	<i>Divijkumar R. Vaghasiya, N. D. Dholariya, M. P. Mungala, Y. J. Chaudhary and R. M. Jambukiya</i> Dept. of Genetics and Plant Breeding, College of Agriculture, JAU, Junagadh
12	ICTPAIRS-4.28	Evaluating The Refuge in Bag Seed Mix Against Cotton Bollworms with Special Reference to Pink Boll Worm in BT Cotton	<i>Variya Mayur Vishnubhai, Barad Hiteshkumar Ranabhai and Valu Manubhai Govindbhai</i> Cotton Research Station, JAU, Junagadh
13	ICTPAIRS-4.30	Management of Coriander Wilt [Fusarium Pallidoroseum (Cooke) Sacc.] Under South Saurashtra Condition	<i>Divya G. Pithiya, Keshavji K. Kanzaria and Parish Saxena</i> Dept. of Plant Pathology, CoA, JAU, Junagadh
14	ICTPAIRS-4.31	Growth and Decomposition Analysis of Coriander Crop In	<i>Shruti D. Bhimani, S. B. Vekariya and A. B. Vaza</i> Dept. of Agricultural Economics, College of Agriculture, JAU, Junagadh
15	ICTPAIRS-4.33	Boosting Bloom Potential with Seed Priming in Ornamental Crops	<i>Janika V. Bhadaraka, Vishal R. Wankhade, Kiran Kumari, Pandya Shruti and B. M. Nandre</i> Dept. of Floriculture and Landscape architecture, College of Horticulture, JAU, Junagadh
16	ICTPAIRS-4.35	Quality Analysis of Different Plant Parts of Bt and Non-Bt Cotton Genotypes	<i>S. R. Gamit, H. R. Ramani, M. D. Khunt, H. S. Lad, P. D. Ram, B. U. Gamit</i> Dept. of Soil Science and Agricultural Chemistry, Biochemistry, N. M. College of Agriculture, NAU, Navsari
17	ICTPAIRS-4.39	Exploitation of Heterosis for Grain Yield and Yield Components in Pearl Millet [ <i>Pennisetum Glaucum (L.) R. Br.</i> ] Using Diverse Male Sterile Lines	<i>Bhavesh D. Bhatiya, Amit M. Polara, Dinesh V. Kandoriya, Jaysukh J. Savaliya, Ashish A. Moghariya, Hiten B. Gohil and Maulik P. Mungala</i> Dept. of GPB, CoA, JAU, Junagadh
18	ICTPAIRS-4.44	Evaluating the Stability of Seed Cotton Yield and Its Key Components Over Environments	<i>C. J. Rajani and M. G. Valu</i> Main Oilseeds Research Station, JAU, Junagadh
19	ICTPAIRS-4.46	Effect of Spacing and Fertilizer Levels On Kharif Groundnut ( <i>Arachis Hypogaea L.</i> )	<i>Kalaria R. V., Gediya K. M.</i> Dept. of Agronomy, JAU, Junagadh
20	ICTPAIRS-4.47	Revolutionizing Agriculture: AI-Based Methods for Plant Disease Identification and Control	<i>Dhruvi Ajudia, Dr. D. S. Kelaiya, Dr. M. F. Acharya</i> Dept. of Entomology, College of Agriculture, JAU, Junagadh
21	ICTPAIRS-4.53	Bio-Efficacy of Herbicides on Weed Growth in Kharif Sorghum	<i>Chavda K., Suthar J. V., Patel H. K., Rathod P. H., Kurkutiya S. R. and Patel A. J.</i> Dept. Of Agronomy, B. A. CoA, AAU, Anand
22	ICTPAIRS-4.61	Evaluation of Labour - Saving Techniques in Cotton Cultivation	<i>Dr. K. B. Sankat, Dr. S. L. Pawar and Dr. M. C. Patel</i> Main Cotton Research Station, NAU, Surat
23	ICTPAIRS-4.66	Integrated Species-Specific Disease Control Strategies for Managing Alternaria Leaf Blight in Sunflowers in Southern Karnataka	<i>Treio Dkhar, Achal B. Jagzape, And Harish Kumar</i> Dept. of Genetics and Plant Breeding, C. P. College of Agriculture, SDAU, Sardarkrushinagar
24	ICTPAIRS-4.67	Importance of Compatibility Between Rootstock and Scion and Its Relationship	<i>Parthiba Rana, Tirth A. Patel</i> Dept. of FLA, CoH, JAU, Junagadh
25	ICTPAIRS-4.76	Nanotechnology for Enhanced Nutrient Delivery Systems in Crops	<i>Sumit</i> CCS Haryana Agricultural University, Hisar
26	ICTPAIRS-4.77	CRISPR and Genetic Engineering for Climate-Resilient Crops	<i>Dikshant</i> CCS Haryana Agricultural University, Hisar
27	ICTPAIRS-4.81	Role of Avirulence (Avr) Genes in Fungal Pathogens	<i>B. U. Gamit, D. S. Kelaiya, Y. H. Ghelani, S. R. Gamit</i> Dept. of Plant Pathology, College of Agriculture, JAU, Junagadh
28	ICTPAIRS-4.82	Optimizing plant geometry and nitrogen fertigation for enhanced yield in drip-irrigated castor ( <i>Ricinus communis L.</i> )	<i>S. P. Kachhadiya, V. L. Kikani, C.N. Jadav and R.B. Madariya</i> Main Oilseeds Research Station, JAU, Junagadh
29	ICTPAIRS-4.83	Weather Forecasts for Agriculture: Essential Requirements	<i>S. J. Sindhi, J. V. Chovatia, V. M. Savaliya and B. V. Patoliya</i> JAU, Junagadh

30	ICTPAIRS-4.84	Yield Loss Due to Thrips in Summer Groundnut in Saurashtra	<i>Patel, S. R., Acharya, M. F., Ghelani, M. K., Kachot, A. V., Patel, D. S., Parasana, J. S.</i> Dept. of Entomology, College of Agriculture, JAU
31	ICTPAIRS-4.85	Impact of Environmental Variability on Hybrid Necrosis in Wheat: Implications for Climate-Resilient Breeding	<i>Patel K. P., Rajiv Kumar, Chaudhari S. B. and Priyanka L. M.</i> Dept. of Genetics & Plant Breeding, CoA, JAU
32	ICTPAIRS-4.86	Smart Farming: IoT - Driven Precision Irrigation and Fertigation Management for Sustainable Water Conservation	<i>M. D. Vaishnav</i> Dept. of Agronomy, JAU, Junagadh

### Theme 5 : Soil Health Management and Plant Nutrient Optimization

Sr. No.	Paper ID	Title	Presenter
1	ICTPAIRS-5.2	Revitalising Nutritional Diversity: The Role of Orphan Crops in Nutritional Security	<i>Sharma P. S. and Dhamshaniya D. N.</i> Office of Director of Extension Education, JAU
2	ICTPAIRS-5.3	Characterization of Physical and Chemical Properties of Cotton Stalk and Its Derived Bio-Char	<i>J. M. Makavana, P. M. Chauhan, A. L. Lakhani, P. R. Balas and P. N. Sarsavadia</i> Dept. of Renewable Energy Engineering, CAET, JAU, Junagadh
3	ICTPAIRS-5.4	Activated Bio char: A Highly Effective Adsorbent for The Removal of Contaminants from Dairy Wastewater	<i>A. K. Barad, M. S. Dulawat, J. M. Makavana</i> Dept. of Renewable Energy Engineering, CAET, JAU, Junagadh
4	ICTPAIRS-5.10	Experimental Investigations of Different Combinations of Biochar and Biogas Slurry for Fertilizer Purpose	<i>Sindhal R.G., Thakrar D.P., Vyas D.K., Sravankumar J.</i> College of Agricultural Engineering & Technology, AAU, Godhra
5	ICTPAIRS-5.24	Soil Health Under Organically and Conventionally Managed Soils	<i>S. R. Lalani, M. M. Chaudhary, Dr. B. A. Chaudhari</i> State Fertilizers & Chemicals Limited Vadodara
6	ICTPAIRS-5.30	Spatial Distribution of Available Boron in Soils of Saurashtra Region of : A Review	<i>C. A. Gorasiya, A. S. Umaretiya, Radhika J. Lunagariya, Dr. K. B. Parmar &amp; Bhavik P. Solanki</i> Dept. of Soil Science and Agricultural Chemistry, College of Agriculture, JAU, Junagadh
7	ICTPAIRS-5.33	Hydrogel: Agricultural Game Changer	<i>Janika V. Bhadaraka, Hitesh Vasava, Harshali Odedara, Tejal Chaudhary and Chandni Bhadarka</i> College of Horticulture, J.A.U., Junagadh
8	ICTPAIRS-5.34	Enhancing Phosphorus Utilization Efficiency in Summer Groundnut through Microbial Culture	<i>V. L. Kikani, A. D. Rathod, S. P. Kachhadiya and C. N. Jadav</i> Wheat Research Station, JAU, Junagadh
9	ICTPAIRS-5.41	Production, Processing, and Marketing of Green Gram in India	<i>Radhika J. Bani, Patel Vedanti, Datta Amitkumar, Nariya Jensi and Nayi Mit</i> PGIABM, JAU, Junagadh
10	ICTPAIRS-5.48	Innovative Approaches to Boost Nutrient Use Efficiency: From Soil Testing to Fertilization	<i>Mihir B. Modh, Rajvee V. Kalaria</i> Dept. of Agronomy, AAU, Anand
11	ICTPAIRS-5.51	Value Chain Analysis of Potato in India: An Overview	<i>Vedanti Patel, Nisha Thaker, Jagruti Bhatt, Heet Lunagariya, Radhika J. Bani, Datta Amitkumar, Nariya Jensi</i> PGIABM, JAU, Junagadh
12	ICTPAIRS-5.54	Production, Processing, and Marketing of Sorghum in India	<i>Nariya Jensi, Jagruti D. Bhatt, Nisha M. Thaker, Nayi Mit S., Radhika J Bani, Datta Amit, Vedanti Patel</i> PGIABM, JAU, Junagadh
13	ICTPAIRS-5.60	Integration of Bio Fertilizers and Organic Amendments to Enhance Nutrient Availability	<i>Deepika Yadav and A. L. Yadav</i> Sri Karan Narendra Agriculture University, Jobner
14	ICTPAIRS-5.61	Implementation of Modern Soil Testing Methods and Strategies Aimed at Enhancing Nutrient Use Efficiency	<i>Anuradha Yadav, Suwalal Yadav</i> Dept. of Agronomy, Sri Karan Narendra Agriculture University, Jobner, Rajasthan
15	ICTPAIRS-5.65	Efficacy of Various Doses of Nitrogenous Fertilizers Along with Different Insecticides against Thrips Tabaci Lindeman Infesting Bt Cotton	<i>Shah, K. D.; Patel, K. R.; Ghelani, Y. H., Talaviya, J. R and Gadhiya, V. C.</i> Dept. of Entomology, College of Agriculture, JAU

16	ICTPAIRS-5.67	Production, Processing, and Marketing of Rapeseed in India	<i>Nayi Mit S., Chirag Bharodia, Nariya Jensi, Datta Amitkumar, Radhika J. Bani</i> PGIABM, JAU, Junagadh
17	ICTPAIRS-5.71	Onion Value Chain in India: The CISS-F Framework Analysis	<i>K. M. Zankat, J. D. Bhatt, N. M. Thaker and S. M. Trivedi</i> PG Institute of ABM, JAU, Junagadh
18	ICTPAIRS-5.72	Formulating PGPR-Based Biofertilizers for Enhanced Nutrient Availability and Soil Health in Sustainable Cultivation of Soybean ( <i>Glycine max.</i> )	<i>Keerthana R. S., Patil C. R.</i> Dept. of Agricultural Microbiology, N.M. College of Agriculture NAU, Navsari
19	ICTPAIRS-5.76	Empowering Farmers through Education and Extension: Advancing Sustainable Soil and Nutrient Management Practices	<i>Mayankkumar M. Nakum, Sanjivani B. and Parimal N.</i> P.G. Institute of Agri-Business Management, JAU

### Theme 6 : Precision and AI Synergies for Sustainable Horticultural Practices

Sr. No.	Paper ID	Title	Presenter
1	ICTPAIRS-6.3	Effect of Inm and Training on Flowering and Yield of Tomato ( <i>Solanum Lycopersicum L.</i> ) Under Protected Cultivation	<i>H J Senjaliya, K D Patel, H. N. Patel and J. S. Parasana</i> College of Horticulture, JAU, Junagadh
2	ICTPAIRS-6.4	Market Integration and Price Transmission in Fruits Price Export from India	<i>C. R. Bharodia, C. D. Lakhlani, H. Y. Maheta and Kalpesh Kumar</i> Post Graduate Institute of ABM, JAU, Junagadh
3	ICTPAIRS-6.5	Effect of Different Sowing Time and Planting Distance On Growth, Yield and Quality of Okra ( <i>Abelmoschus esculentus (L.) Moench</i> )	<i>Dixita Padhiyar, D. R. Kanzaria, B. R. Gondaliya and V. L. Purohit</i> Dept. of Vegetable Science, COH, JAU, Junagadh
4	ICTPAIRS-6.7	Effect of Zinc and Salicylic Acid on Growth, Yield and Quality of African Marigold ( <i>Tagetes Erecta L.</i> ) Cv. Pusa Narangi Gainda	<i>Chitroda R. L., Sneha L. Y., Bhuva, S. K. and Polara N. D.</i> Dept. of Horticulture, College of Agriculture, JAU
5	ICTPAIRS-6.8	Deploying Remote Sensing and GIS Technology in Horticulture – A Review	<i>Radadiya U. R., Bhuva S. K. and Narmatha N</i> Dept. of Fruit Science, JAU, Junagadh
6	ICTPAIRS-6.12	AI-Powered Horticultural Research: Breakthroughs and Innovations – A Review	<i>Narmatha N., Bhuva S. K. and Radadiya U. R.</i> Dept. of Fruit Science., College of Horticulture, JAU
7	ICTPAIRS-6.15	Comparative Study of Media Mixing and Filling Techniques in Horticultural Nursery Practices	<i>Ambaliya, P. S., Mehta, T. D. and Jalu, M. V.</i> Dept. of Farm Machinery and Power Engineering, CAET, JAU
8	ICTPAIRS-6.17	Biofertilizers: A Sustainable Solution for Tropical Fruit Crops	<i>Harshali N. Odedra, Dr. K. M. Karetha, Janika V. Bhadaraka, Bhadarka Chandni R., M. B. Pithiya</i> Dept. of Fruit Science, COH, JAU, Junagadh
9	ICTPAIRS-6.21	Effect of Different Media on Secondary Hardening of Banana Tissue Culture Plants in Greenhouse Conditions	<i>M. B. Pithiya, Jayshree Lakhnotra, K. M. Karetha, D. K. Varu, Rajiv Kumar</i> Dept. of Fruit science, College of Horticulture, JAU
10	ICTPAIRS-6.35	Eco-Friendly Management of Fruit Flies Infesting Mango Through Protein Food Baits	<i>Akshay Kumar, Patel S. R. and Chaudhary K. V.</i> Agronomist, Connect Agro. Pvt. Ltd., Rudrapur, Uttarakhand