

Workshop, National Seminar, Winter School etc. organized

Workshop:

Sr.	Particular	Details about Particular
1.	Title of the Program	Addressing Coastal Challenges: Sustainable Solutions for the Rejuvenation of Coastal Belt of Saurashtra
2.	Objective of the program	<ol style="list-style-type: none"> 1. To discuss the current state and future projections of coastal challenges in Saurashtra 2. To share innovative solutions and best practices in agriculture, soil, and water management 3. To foster collaboration between academic institutions, NGOs, and local communities 4. To identify research needs and strategies for effective coastal management
3.	Date /Duration	1 st October, 2024
4.	Name & Designation of Dignitaries	Dr. V. P. Chovatia, Hon'ble Vice Chancellor, JAU, Junagadh; Dr. R. B. Madariya, Director of Research, JAU, Junagadh; Dr. N. B. Jadav, Director of Extension Education, JAU, Junagadh; Dr. Anil R. Chinchmalatpure, Director & Head, ICAR Central Soil Salinity Research Institute, Bharuch; Dr. G. V. Prajapati, Research Scientist (Agril. Engg.), Research Testing and Training Centre, JAU, Junagadh
5.	No. of Participants	70 Scientists, NGO Professionals, University Officers across the India
6.	Details/ Result/ Achievements/ Conclusion of program	The discussion highlighted the pressing coastal challenges faced by the Saurashtra region, with emphasis on future projections related to climate change and human interventions. Innovative solutions in agriculture, soil, and water management were shared, showcasing best practices for resilience. The event fostered strong collaboration among academic institutions, NGOs, and local communities to address these issues collectively. Key research needs and strategic directions were identified to enhance effective and sustainable coastal management in the region.

National Seminar

Sr.	Particular	Details about Particular
1.	Title of the Program	National Seminar on "Water Management and Climate Smart Agriculture"
2.	Objective of the program	Seminar aims to create a platform for knowledge sharing for all stakeholders in the water and wastewater sector. It covers a rich variety of subjects, technologies and practices, thereby giving a comprehensive overview on the subject. The seminar will allow the dissemination and discussion of cutting edge research in the latest applications available in the water management for sustaining agricultural productivity and impact of climatic drift on water resources availability. The scope will include theoretical and applied research, and technological interventions in the areas of water management. The objective of the programme would be to allow water professionals from industry, government and trade to learn and understand some of the latest developments and opportunities in this sector.
3.	Date /Duration	13-14/02/2015

4.	Name & Designation of Dignitaries	Shri Mohanbhai Kalyanjibhai Kundariya, Hon'ble Union Minister of State for Agriculture, Govt of India, Shri Babubhai Bokhiria, Hon'ble Minister of Agriculture, Govt. of Gujarat, Shri Jasabhai Barad, Hon Minister of Agriculture (State), Govt. of Gujarat, Dr. A. R. Pathak, Vice Chancellor JAU, Prof. M. C.Varshney, Vice Chancellor, Kamadhenu University, Dr. D. K. Sharma, Director, CSSRI, Karnal, Dr.Indu Sharma, Director, IIWR, Karnal, Dr.Mausami Ray Chaudhary Principal scientist, IIWM, Bhubaneswar, and Dr.R. B.Singhandhupe, Principal Scientist, CIGR, Nagpur, Dr. A. Y. Desai, Director of Research, JAU, Junagadh, Dr. R. Subbaiah, Organizing Secretary, scientists across the country, Progressive Farmers of the state.
5.	No. of Participants	190 Scientists across the country and 50 Progressive Farmers of the Gujarat State
6.	Details/ Result/ Achievements/ Conclusion of program	130 Research Papers were presented in 5 concurrent technical sessions on the themes like a) Vulnerability of Agriculture to Climatic Aberrations b) Climate Change assessment, & Impact on Hydrological Modeling and Water Cycle c) Susceptibility of Surface, Ground and River Water to Climate Variability and Geo-Informatics d) Adaption and Mitigation Strategies for Climatic Resilient Water Management and Agriculture and e) One session for farmers community.

Winter School (21 days)

Sr. No.	Particular	Details about Particular
1.	Title of the Program	Winter School on “Implications of Climatic Change on Pedagogical Issues of Water Resources Management”
2.	Objective of the program	The objective of the present course is to: <ul style="list-style-type: none"> a) Provide a broad overview of our current knowledge on climate variations, b) Discuss their impact on water resources management, planning and design and agriculture, c) Characterize their predictability and advance the understanding of climate variations and climate change, d) Disseminate this valuable information among the scientific, policy, researchers and NGO's knowledge domain and e) Developing innovative and eco-friendly water management interventions to adopt climate change
3.	Date Duration	Date: 21/09/2015 to 11/10/2015 (21 days) Venue: Junagadh Agricultural University, Junagadh
4.	Name & Designation of Dignitaries	Dr. A. R. Pathak, Iaugurator and President & Hon'ble, Vice Chancellor, Dr. Anoop Nagar, Regional Director, CGWB, Ahmedabad, Dr. A. Y. Desai, Director of Research, JAU, Junagadh Dr. R. Subbaiah, Course Director & Research Scientist (Agril. Engg.)
5.	Participants	Participants from ICAR Institutes/State Agricultural Universities/Central Agricultural Universities/State Universities/Krishi Vigyan Kendras
6.	No(s). of participants	36 Participants (Odisha, Maharashtra, Punjab, Rajasthan, Madhya Pradesh, Tamilnadu and Gujarat)
7.	Details/ Result/	Winter School organized by Centre of Excellence on Soil & Water Management, RTTC, JAU, Junagadh in collaboration with Central

	Achievements/ Conclusion of program	<p>Ground Water Board, Ahmedabad, International Water Management Institute, Anand and ICRISAT, Hyderabad.</p> <p>The course include the following themes with particular emphasis to agricultural water resources management in the arena of climatic change</p> <ul style="list-style-type: none"> ✚ Stochastic Hydrology and Conceptual Hydrological modelling ✚ Soft Computing tools, MCDM and Geospatial analysis in Water Resources ✚ Surface and Subsurface Water assessment and interaction in the arena of climate change ✚ Aquifer mapping and management of saline water in coastal agro-ecosystem ✚ RS and GIS interventions in Water Resources assessment and management ✚ Weather forecasting and Crop growth Simulation models ✚ Climate Change Modeling & Assessment ✚ Downscaling for assessment of Climate Change on hydrology ✚ Hydro-climatic Extremes ✚ Surface and Subsurface Water Management Interventions to adopt climate change ✚ Harnessing Renewable Energy Sources for Agricultural Water Management
8.	Photographs with caption	Attached
9.	Special remarks by speakers	Hon Vice chancellor appraised the scientists of Centre of Excellence on soil and water management for organizing this school on a topic which is the need of the hour and also commended for bringing high quality lectures and for enriching the knowledge of the trainers on the subject of climate change impacts on water resources management.

Model Training Course

Sr. No.	Particular	Details about Particular
1.	Title of the Program	Model Training Course on "Water Security and Challenges in the Arena of Climate Change"
2.	Objective of the program	The objectives were a) Provide a broad overview of our current knowledge on climate variations b) Discuss their impact on water resources management, planning and agriculture c) Disseminate this valuable information among Government officers, and d) Develop innovative and eco-friendly water management interventions to adopt climate change
3.	Date Duration Time	Date: 14-21/12/2016. (Eight Days) Venue: Junagadh Agricultural University, Junagadh
4.	Name & Designation of Dignitaries	Dr. A. M. Parakhia, Director of Extension Education, Junagadh Agricultural University, Junagadh, Dr. P. V. Patel, Director of Student Welfare, JAU, Junagadh, Dr. N. K. Gontia, Principal and Dean, College of Agricultural Engineering and Technology, JAU, Junagadh and Dr. H. D. Rank, Course Director and Research Scientist (Agril. Engg.), RTTC, JAU, Junagadh
5.	Participants	State Department, KVK's, SAUs Employees
6.	No(s). of participants	27 Officer from State Department, KVK's, SAUs all over the country.

7.	Details/ Result/ Achievements/ Conclusion of program	<p>Model Training Course on "Water Security and Challenges in the Arena of Climate Change" was sponsored by Directorate of Extension, Department of Agriculture, Co-operation and Farmers' Welfare, Ministry of Agriculture, New Delhi and organized by Centre of Excellence on Soil & Water Management, RTTC, JAU, Junagadh. Total 27 officers from State Development Departments, KVK and SAU's had participated in Model Training Course from all over the country. Experts from State Department, Water and Land Management Institute, Anand, SVNIT, Surat, Anand Agricultural University, Godhra and Junagadh Agricultural University, Junagadh has delivered their expert lectures during the Model Training Course. Pre-Training Assessment and Post-Training Assessment was carried out with multiple choice questions drawn from the course content designed under Model Training Course. Field visit was arranged on 15th December, 2016 at different farms of this University for the visit of different groundwater recharging activities carried by the University. Participant has also visited seed science museum as well as food testing laboratory of this University. Remote Sensing and GIS software: Geometrica v. 10.0 was demonstrated during the course. Participatory Rural Appraisal for Participatory Irrigation Management was carried out by making different groups of trainees under MTC.</p>
8.	Special remarks by speakers	<p>Dr. A. M. Parakhia, Director of Extension Education, Junagadh Agricultural University, Junagadh, highlighted some issues in his presidential speech that country need to face the challenge holistically through science, technology and innovation, and establish appropriate governance, policies, regulations and measures to adapt to the challenges posed by climate change, especially as they affect water resources. It is essential to ensure greater resilience by keeping an audit or inventory of water resources with the aim of tracking the effects of climate change. This will directly aid and inform the development of location-specific strategies to cope with the effects and impacts of climate change. Dealing with climate change also require strengthening the resilience of farmers and rural people and help them adapt to the impact of climate change.</p> <p>Dr. N. K. Gontia, Principal and Dean, College of Agricultural Engineering and Technology, JAU, Junagadh addressed some issues of water scarcity and its mitigation strategies in the context of climate change.</p> <p>Dr. H. D. Rank, Course Director, highlighted the importance of the Model Training Course.</p>