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Dr. R. L. Meena, Project Coordinator (A), ICAR-CSSRI, Karnal (Haryana)
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Dr. Rakesh Banyal, Principal Scientist, Division of SCM, ICAR-CSSRI, Karnal
Dr. Babu Lal Meena, Principal Scientist, AICRP (saline water), ICAR-CSSRI, Karnal
Dr. Gajender Yadav, General Secretary, ISSSWQ and Principal Scientist, ICAR-CSSRI, Karnal
Dr. Arvind Kumar, Senior Scientist, ICAR-CSSRI, Karnal
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Dr. R. M Chauhan, VC, SDAU, S.K. Nagar, Gujarat
Dr. V. P. Chovatia, VC, Junagadh Agricultural University, Junagadh, Gujarat

CONTACT INFORMATION

Organizing Committee

Dr. Gajender Yadav+91-9812566001

Dr. Gopal R. Mahajan+91-9595167318

Dr. Arvind Kumar+91-9996020251

Dr. Suresh Kumar+91-9958461923

Dr. Jitendra Kumar+91-7455082499

E-mail: isswq2008@gmail.com

Event UP
A Unit of Krishi Junction

Technical Related Queries
91-9429691797



INTERNATIONAL SALINITY CONFERENCE 3.0

WE-CARE-2025: Worldwide Efforts on Cutting-Edge Approaches for Restoring Saline Ecosystems

29th October - 1st November 2025

ICAR-Central Coastal Agricultural Research Institute, Old Goa, Goa India



Organizers

Indian Society of Soil Salinity and Water Quality (ISSWQ), Karnal, India
Association for Coastal Agricultural Research (ACAR), Goa, India
ICAR-Central Soil Salinity Research Institute, Karnal, India
ICAR- Central Coastal Agricultural Research Institute, Old Goa, Goa
under the aegis of
Indian Council of Agricultural Research, New Delhi



wecare2025.eventsdashboard.in



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About the WeCARE-2025 Conference

Secondary salinization and sodification of agricultural land are among the key factors behind unsustainable farming practices. Worldwide, the total area of salt-affected soils amounts to 1381 million ha (Mha), or 10.7% of the total global land area, impacting the livelihoods of over 2.6 billion people (about 74% of resource-poor farmers) and nearly 52% of global agricultural land. Economically, this issue causes an annual loss of around US\$ 6.3 billion. Predictions indicate a considerable spread of salt-affected soils in the coming decades, threatening global food security. The largest areas are found in Australia (357 Mha), Argentina (153 Mha), Kazakhstan (94 Mha), the Russian Federation (77 Mha), the United States (73.4 Mha), the Islamic Republic of Iran (55.6 Mha), the Sudan (43.6 Mha), Uzbekistan (40.9 Mha), Afghanistan (38.2 Mha), and China (36 Mha). These ten countries account for 70 percent of the total area of salt-affected soils of the world. Technological advances have helped mitigate the problem in large areas, restoring their agricultural potential.

In India, 6.73 million hectares are affected by salinity, with 2.95 million hectares of saline land across 16 states. Annual crop production losses due to salinity and sodicity are estimated at 16.84 million tonnes, amounting to a loss of ₹ 2300 (~\$27) million. The situation is expected to further worsen, with projections suggesting that the affected area may increase to 16.2 million hectares by 2050. The primary causes include inadequate drainage systems, waterlogging, unsustainable farming practices, and the growing use of low-quality groundwater for irrigation. These challenges underscore the urgent need for sustainable management of salt-affected lands to prevent further expansion and protect food security, especially in the context of climate change.

The ICAR-Central Soil Salinity Research Institute (CSSRI) in Karnal, Haryana, India, has made significant contributions to the development of technologies for the reclamation and productive management of salt-affected soils and waters. The ICAR-CSSRI is one of the world's leading institutions fully dedicated to development of technologies for managing saline lands for agricultural production. For decades, it has been at the forefront of developing integrated solutions for the management of salt-affected soils and waters, reaching millions of farmers through effective extension programs.

The "International Symposium on Salt Affected Soils" in 1980 marked the beginning of global collaborative efforts to combat soil salinity and improve the livelihoods of farmers in affected regions. Considering the increasing importance of salinity management for sustainable agriculture production in changing climate, the salinity experts founded the Indian Society of Soil Salinity and Water Quality (ISSSWQ) in 2008 at Karnal. This society was formed with the aim of advancing research and development in soil salinity and water quality management. In 2019, the society organized the First International Conference "Golden Jubilee International Salinity Conference on Resilient Agriculture in Saline Environment under Changing Climate: Challenges and Opportunities (RAISE-II)," during 21-23 February, marking the 50th anniversary of the ICAR-Central Soil Salinity Research Institute (CSSRI), Karnal, India. Subsequently, the Second International Salinity Conference (ISC-2024) was organised during 14-16 February, 2024 at ICAR-CSSRI, Karnal. In response to the growing challenges of climate change and global food security, the ISSSWQ, Karnal and ACAR, Goa are now jointly organizing the Third International Salinity Conference 3.0(WE-CARE-2025), in Goa, India. ICAR- CSSRI, Karnal, and ICAR- CCARI, Goa are also collaborating in this endeavour under aegis of ICAR, New Delhi. This important event aims to unite global experts, policymakers, and stakeholders to address the critical issue of salt-affected soils and ecosystems, fostering innovative solutions for sustainable agriculture in saline environments.

Theme: WE-CARE-2025: Worldwide Efforts on Cutting-Edge Approaches for Restoring Saline Ecosystems

This conference aims to explore the challenges and solutions for the sustainable management of salt-affected soils. It will focus on the latest technological advancements and research in soil reclamation, soil health improvement, environmental quality, and climate change adaptation and mitigation strategies. The conference will also emphasize the importance of food security and the role of salt-affected soil restoration in achieving sustainable agriculture. The key objectives of this conference typically focuses on addressing the challenges and strategies involved in restoring and preserving saline ecosystems. The objectives include:

- Advancements in approaches to characterize, delineate and map salt-affected and stress-prone ecologies**
 - Developments in characterization of salt-affected soils, water and habitats
 - Uptrends in remote/proximal sensing, GIS and spectroscopy for delineation, mapping and real-time monitoring of salt-affected/stressed ecologies
- Developments in the reclamation of salt-affected/stressed ecologies**
 - Refinements in amendments and methodologies for reclamation of salt-affected soils and water
 - Renaissance in productive management of salt and water-stressed agro-ecosystems
 - Alternate land uses for gaining remuneration and eco-services on salt-affected ecologies
- Evolutions in multi-stress tolerance development in crops for sustainability of saline ecologies**
 - Advancements in understanding of physiological mechanisms of salt tolerance in plants
 - Progress in breeding approaches and evolution of crops, varieties and cropping systems for salt-stressed ecosystems
- Salt-stressed ecologies v/s climate change**
 - Impact of climate change on salinization processes and carbon sequestration
 - Climate change resilience strategies for sustainable agriculture in salt-stressed conditions
- Socio-economic dimensions, eco-services and policy-governance of saline ecosystem restoration**
 - Socio-economic impacts of salinity on farmers, communities and eco-services
 - Approaches and policy interventions to engage farmers, local communities, FPOs, NGOs, government entities and the private sector for effective restoration of salt-stressed ecosystems
- Special session on "Sustainable Coastal Agriculture"**

By addressing these objectives, the conference aims to bring together global stakeholders to enhance efforts in restoring the world's saline ecosystems, ensuring their sustainability and resilience for future generations. The event promises to be a significant gathering, featuring keynote and plenary speakers from across the world and will facilitate important discussions on policy development and the future of soil salinity management globally. The organizing committee invites researchers, scholars, and other stakeholders to actively participate and contribute to this vital discourse on the sustainable restoration of saline ecosystems.

CALL FOR PAPERS

Original contributions are invited related to any of the theme areas listed above for presentation in the conference. Abstracts to be submitted in MS word format limited up to 350 words. Abstract should be submitted through conference official website (wecare2025.eventsdashboard.in). All invited lead and keynote presentations will be published in the special issue of IJSSWQ of the Indian Society of Soil Salinity and Water Quality (ISSSWQ). The conference abstract book (in soft copy only) and certificates of presentation will be provided to the conference participants.

ORAL PRESENTATION

A copy of the presentation is required to be submitted by the participants. The organizing committee reserves the right to decide the mode of presentation depending on the content of the abstract, number of papers and the merits of paper based on originality/novelty of research work on the themes of the conference.

POSTER PRESENTATION

The size of the poster shall be as per template provided on conference website, briefly showing Title, Introduction, Methodology, Significant Findings (along with not more than three tables/figures/photographs) and bulleted Summary. The poster should be made attractive, brief, and composed on a single sheet with appropriate colour scheme so that the content is readable. A soft copy of poster is to be submitted to the organizer in advance to present during the conference.

Conference Important Dates

Conference dates	29 October -1 November 2025
Abstract submission	1st May to 1st October 2025
Regular- Online Registration	1st May to 1st October 2025
Abstract Acceptance closes	5th October 2025
On-site-Registration	28-29 October 2025

Welcome to the Conference Official Website!

wecare2025.eventsdashboard.in

This official website is your one-stop destination for all conference-related activities

CONFERENCE REGISTRATION FEE

Participant Category	Physical Mode		Virtual Mode	
	Regular Registration	On-site Registration	Regular Registration	On-Site Registration
Indian Delegates				
Delegates ISSSWQ Members	₹ 8000	₹ 9000	₹ 3000	₹ 3500
Delegates ISSSWQ Non-Members	₹ 10000	₹ 11000	₹ 4000	₹ 4500
Delegates ISSSWQ Members JRF/SRF/RA/YP/FA	₹ 6000	₹ 7000	₹ 2000	₹ 2500
Delegates ISSSWQ Non-Members JRF/SRF/RA/YP/FA	₹ 7000	₹ 8000	₹ 3000	₹ 3500
Delegates ISSSWQ Student Members	₹ 4000	₹ 5000	₹ 2000	₹ 2500
Delegates ISSSWQ Student Non-Members	₹ 5000	₹ 6000	₹ 2500	₹ 3000
Industry/Private Representatives	₹ 15000	₹ 16000	₹ 5000	₹ 5500
Accompanying Person	₹ 6000	₹ 6000	-	-
SAARC/AARDO Countries (USD \$)				
Delegate	\$175	\$200	\$100	\$125
Delegate (Students)	\$150	\$200	\$75	\$100
Industry / Private Representatives	\$350	\$400	\$100	\$125
Accompanying Person	\$150	\$150	-	-
Other Countries (USD \$)				
Delegate	\$300	\$400	\$100	\$125
Delegate (Students)	\$200	\$250	\$75	\$100
Industry / Private Representatives	\$500	\$600	\$100	\$125
Accompanying Person	\$200	\$200	-	-

CONFERENCE COMMITTEE

Convenors

Dr. R. K. Yadav, Director, ICAR-CSSRI, Karnal (email: cssridirector@gmail.com)
Dr. Parveen Kumar, Director, ICAR-CCARI, Old Goa, Goa (email: pkumarcssri@gmail.com)

Organizing Secretaries

Dr. Gajender Yadav, (+919812566001), General Seceratry, ISSSWQ and Principal Scientist, ICAR-CSSRI, Karnal
Dr. Gopal R. Mahajan, (+919595167318), Senior Scientist, ICAR-CCARI, Old Goa, Goa

Co-Organizing Secretaries

Dr. Arvind Kumar, Senior Scientist, ICAR-CSSRI (+919996020251)
Dr. Suresh Kumar, Senior Scientist, ICAR-CSSRI (+919958461923)
Dr. Jitendra Kumar, Scientist, ICAR-CSSRI (+917455082499)
Dr. Paramesha V., Senior Scientist, ICAR-CCARI (+919834910673)
Dr. Uthappa A.R., Senior Scientist, ICAR-CCARI (+919807382502)
Dr. Sujeet Desai, Scientist, ICAR-CCARI (+918010303769)
Dr. Vinod Ubarhande, FS, ICAR-CCARI (+917588103478)

International Co-ordinators

Dr. Sanjay Arora
Dr. D. S. Bundela
Dr. Dhiman Burman
Dr. Ajay Bhardwaj