

## National Seminar on Management of Salt Affected Soils and Waters: Challenges of the 21st Century

(February 24-25, 2012)

Organized by

Indian Society of Soil Salinity and Water Quality, Karnal

### REGISTRATION FORM

Name (Capital letters) \_\_\_\_\_

Profession \_\_\_\_\_ Designation \_\_\_\_\_

Organization \_\_\_\_\_

Mailing Address \_\_\_\_\_

\_\_\_\_\_ City \_\_\_\_\_

State \_\_\_\_\_ Pin Code \_\_\_\_\_

Phone with Code : Office \_\_\_\_\_ Residence \_\_\_\_\_

Mobile \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

Are you member/ life member of the Indian Society of Soil Salinity and Water Quality? Yes/ No

Broad Area and Title of Paper

Accompanying person, if any:

Name \_\_\_\_\_

Details of registration fee : Amount (Rs.) \_\_\_\_\_

Demand Draft No \_\_\_\_\_ Date \_\_\_\_\_

Name of the bank and branch \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

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Dr. P.C. Sharma, Principal Scientist, CSSRI and General Secretary, ISSSWQ  
Dr. V.K. Mishra, Head, RRS, CSSRI, Lucknow and Organizing Secretary

### First Announcement

## National Seminar on

## Management of Salt Affected Soils and Waters: Challenges of the 21st Century

February 24-25, 2012



Organized by



Indian Society of Soil Salinity and Water Quality, Karnal  
Central Soil Salinity Research Institute, Karnal

Hosted by



Regional Research Station  
Central Soil Salinity Research Institute  
Lucknow - 226005 (UP)





## Preamble

Agricultural productivity is becoming increasingly important as the world population continues to grow. In India, the second most populous country, agriculture uses 43 % of India's geographical area, employs nearly 62 percent of the population and accounts for less than 20 percent of India's GDP. One of the main challenges facing India is producing enough food for the increasing population with the existing land and water resources. Over the past four decades, India has more than tripled its food production (known as the Green Revolution), about 30 percent of this growth coming from the expansion of the farmland area and remaining from increased average yields. To further increase the production, any horizontal expansion in the area would be possible only through reclaiming the problematic soils. It has amply been demonstrated through reclamation of 1.85 million ha area by adopting different reclamative technologies. This area alone is contributing more than 15 million tonnes of food grains in the national pool. Further, pollution of surface and groundwater resources due to natural and anthropogenic factors has proliferated while the occurrences of poor quality waters have multiplied both spatially and temporally in the recent past. The arsenic contaminated waters are being reported from a number of States in the country. Disposal of huge quantities of sewage and other waste waters is a matter of concern. Second generation problems like resodification are also cropping up further declining the productivity of reclaimed salt affected soils. Sustainable management of such reclaimed salt affected soils is required to ensure livelihood security to millions of countrymen. Many organizations spread over various states of the country are actively engaged in land and water management particularly addressing the poor quality land and water resources. Agriculture in Uttar Pradesh is also facing similar challenges, more so in canal irrigation commands. For sharing these experiences for the larger benefit of the nation, the Indian Society of Soil Salinity and Water Quality has planned to organize a National Seminar on Management of Salt Affected Soils and Waters: Challenges of the 21st Century to bring researchers, planners, farmers and development officers on the same platform to evolve comprehensive holistic recommendations on diagnostic, reclamation and management options for sustainable productivity of salt affected soils and waters.

## Scientific Programme

The following broad areas have been identified for discussion during the deliberations in the National Seminar.

1. Application of modern tools and techniques in genesis, classification and assessment of salt affected soils and waters.
2. Innovative technologies for sustainable management of salt affected soils and poor quality waters.
3. Application of frontier sciences in bio-saline agriculture, bio-drainage, bio- and phyto-remediation.

4. Conventional, biotechnological and physiological interventions for introducing the trait of salt tolerance in crop plants.
5. Energy plantations, alternate land-use systems, management of dry land salinity and other livelihood options for salt affected soils and waters.
6. Climate change impacts on soil, water, and bio-resources in terms of salt, water, energy and gas exchange.
7. Impact assessment, socio-ecological & socio-economic monitoring, knowledge-based technology transfer and policy related issues in saline ecosystems.

**Special Session on Uttar Pradesh:** There would be a special session on the reclamation and management of salt affected soils in Uttar Pradesh.

## Submission of Papers

The discussions would revolve around but not limited to the above broad categories. While invited articles would be presented through oral presentations, the contributory papers would be presented through oral or poster presentations.

## Invited Papers

Papers on scientific topics concerning various themes would be invited by the society.

## Voluntary Papers

Papers for oral/ poster presentation will be accepted from intending participants. Interested persons are requested to send abstract of oral/ poster paper(s) on any subject related with broad areas of the seminar. The abstract should be within one page (upto 250 words) in double space and typed in English (MS Word format). The abstract may be submitted through email and/or by post along with a soft copy. The last date for receipt of extended abstract is 20th December 2011 while the full length papers should be submitted latest by 20th January 2012.

Abstracts will be peer reviewed and only those found suitable will be accepted. While sending abstract(s), it is essential to mention the Sr. No. and Title of broad areas listed above under which it should be included. Publication of full paper (Proceeding is proposed to be pre-printed) and presentation of oral/poster papers will be subject to registration. Not more than two abstracts will be accepted from a single registered participant. Awards will be considered for the best poster presentation. The editorial board would consider some good quality papers for publication in the forthcoming issues of the society journal provided that the senior author is a member of the society.

## Venue

The seminar will be held at the Regional Research Station of Central Soil Salinity Research Institute, Jail Road, Post Alam Bagh, Lucknow - 226 005 (Uttar Pradesh). Lucknow is the capital city of Uttar

Pradesh State and is well connected by rail (Northern Railway), road and air (Ch. Charan Singh Airport, Amausi, Lucknow). The weather at Lucknow during second fortnight of February is generally pleasant. Light woollens are recommended.

## Registration

All participants are required to register in advance. The schedule and fee for various categories of participants is given below. Fee for participation may be sent through Crossed Bank Draft in favour of "Indian Society of Soil Salinity and Water Quality" payable at Karnal (Haryana).

Participants	Details of registration fee (in Rs.)	
	Upto 20 <sup>th</sup> January 2012	After 20 <sup>th</sup> January 2012
Delegates	4,000	5,000
Students/ Farmers	1,500	2,000
Corporate Houses/ Industry representatives	10,000	12,000
Accompanying persons	1,500	2,000

The registration form or its photocopy, abstracts and full length papers along with demand draft may be sent latest by 20th January 2012 to Dr. P.C. Sharma, General Secretary, ISSSWQ, Central Soil Salinity Research Institute, Karnal - 132 001 (Haryana) at salinityseminar2012@gmail.com. Registration form can also be downloaded from the CSSRI website: [www.cssri.org/isswq](http://www.cssri.org/isswq).

NB: Registration fee once paid is not refundable or adjustable against any other person.

## Accommodation

Limited accommodation would be arranged in the guest houses of the Indian Institute of Sugarcane Research, Central Research Institute of Sub-tropical Horticulture and National Bureau of Fish Genetic Resources. Besides, a range of hotel accommodation is also available at reasonable rates. The hotel accommodation could be arranged provided advance against hotel reservation is sent alongwith registration fee.

## Post Seminar Tour

The post seminar tour will be arranged to the historical cities of Ayodhya and Allahabad.

For registration, submission of abstracts & any query please contact

**Dr P.C. Sharma**, General Secretary, ISSSWQ  
Central Soil Salinity Research Institute, Karnal 132 001 (Haryana)  
Email: [salinityseminar2012@gmail.com](mailto:salinityseminar2012@gmail.com); [pcsharma@cssri.ernet.in](mailto:pcsharma@cssri.ernet.in)  
Website : [www.cssri.org/isswq](http://www.cssri.org/isswq)

For all logistics and enquiry related to the Seminar at Lucknow, the participants may contact

**Dr. V.K. Mishra**, Organising Secretary,  
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