

**4<sup>th</sup> National Seminar on Innovative Saline Agriculture in  
Changing Environment**

**12-14 December, 2014**

**Organised by**

Indian Society of Soil Salinity and Water Quality, Karnal (Haryana)

Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, Gwalior (M.P.)

Central Soil Salinity Research Institute, Karnal -132 001 (Haryana)

**REGISTRATION FORM**

Name (Block letters) \_\_\_\_\_

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

Organization \_\_\_\_\_

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

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

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

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

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

E mail \_\_\_\_\_

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

Broad Area and Title of the Paper \_\_\_\_\_

Accompanying person, if any:

Name \_\_\_\_\_

Details of registration fees : Amount (Rs) \_\_\_\_\_

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

Name of the Bank/ Branch \_\_\_\_\_

**Organizing Secretaries**

**For registration, submission of abstracts and for any other  
queries, please contact**

**Dr. P.C. Sharma**

Principal Scientist and Organizing Secretary (Technical),  
4<sup>th</sup> National Seminar ISSSWQ

Central Soil Salinity Research Institute, Karnal 132 001 (Haryana)

Phone: 0184-2209329; 2290501(O); 09416296240 (Cell);

0184-2292489 (Fax)

Email: salinityseminar2014@gmail.com; pcsharma@cssri.ernet.in

**For all logistics and enquiries related to the seminar at Gwalior,  
the participants may contact**

**Dr. S.K. Verma**

Professor and Head (Soil Science) and Organizing Secretary (Local),  
4<sup>th</sup> National Seminar

Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya,

Gwalior - 474 002 (M.P.)

Phone: 09425313903 (Cell)

Email: vermask54@rediffmail.com

**Advisory Committee**

**Chairman**

- Dr. S. Ayyappan, Secretary DARE and Director General, ICAR, New Delhi.

**Members**

- Dr. J.S. Samra, CEO, National Rainfed Area Authority, Gol, New Delhi
- Dr. Gurbachan Singh, Chairman, ASRB, New Delhi & Former Director, CSSRI, Karnal
- Dr. A.K. Sikka, Deputy Director General (NRM), ICAR, New Delhi
- Mr. M.M. Upadhyay, Addl. Chief Secy & Agri. Prod. Commissioner, Govt. of M.P.
- Dr. D.R. Bhumbla, Former DDG (SAE), ICAR, & Former Director, CSSRI, Karnal
- Dr. I.P. Abrol, Former DDG (SAE), ICAR, & Former Director, CSSRI, Karnal
- Dr. N.T. Singh, Former Director, CSSRI, Karnal
- Dr. N.K. Tyagi, Former Member, ASRB, New Delhi and Former Director, CSSRI, Karnal
- Dr. D.K. Sharma, Director, CSSRI, Karnal and President ISSSWQ - Member Secretary

**Steering Committee**

**Chairman**

- Dr. A.K. Singh, Vice-Chancellor, Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, Gwalior (M.P.)

**Members**

- Dr. Raj K. Gupta, CIMMYT, New Delhi
- Dr. S.K. Chaudhari, ADG (Soil and Water Management), ICAR, New Delhi
- Dr. B. Mohan Kumar, ADG (Agronomy and Agroforestry), ICAR, New Delhi
- Prof. Sangeeta Shukla, Vice Chancellor, Jiwaji University, Bhopal
- Sh. R.B. Sinha, IAS, Joint Secretary, NRM, Govt. of India, New Delhi
- Dr. Rajeshwar Rajora, IAS, Principal Secretary Agriculture, Govt. of Madhya Pradesh
- Sh. Narendra Bhooshan, IAS, Joint Secretary, INM, Govt. of India, New Delhi
- Dr. H.S. Yadava, Director, Research Services, RVSKVV, Gwalior
- Dr. S.S. Tomar, Dean, College of Agriculture, RVSKVV, Gwalior
- Dr. P.K. Joshi, South Asia Office, IFPRI, New Delhi
- Dr. P.K. Ghosh, Director IGFRI, Jhansi
- Dr. S.K. Dhyani, Director, NRC Agroforestry, Jhansi
- Dr. S.S. Tomar, Director Research, JNKVV, Jabalpur
- Dr. D.K. Sharma, Director, CSSRI, Karnal and President ISSSWQ - Member Secretary

**Organizing Committee**

**Chairman**

- Dr. D.K. Sharma, Director, CSSRI, Karnal and President ISSSWQ

**Members**

- Dr. J.C. Dagar, Emeritus Scientist and Former ADG (A&AF), ICAR, New Delhi
- Dr. S.K. Gupta, Professor, INAE and Former Project Coordinator (SSW)
- Dr. C.M. Pandey, Additional Commissioner, NRM, Govt. of India, New Delhi,
- Dr. A.K. Singh, Prof. & Head, Deptt. of Plant Breeding, RVSKVV, Gwalior
- Dr. S.K. Sharma, Head, Crop Improvement Division, CSSRI, Karnal
- Dr. R.S. Tripathi, Head, Technology Evaluation and Transfer Division, CSSRI, Karnal
- Dr. S.G. Kamra, Head, Irrigation and Drainage Engg. Division, CSSRI, Karnal
- Dr. G.G. Rao, Head, CSSRI RRS, Bharuch (Gujarat)
- Dr. V.K. Mishra, Head, CSSRI RRS, Lucknow, (U.P.)
- Dr. B. Maji, Head, CSSRI RRS, Canning Town, (W.B.)
- Dr. S.K. Ambast, Project Coordinator (SSW), CSSRI, Karnal
- Dr. S.K. Verma, Prof. & Head (Soil Sci) and Organizing Secretary (Local), RVSKVV, Gwalior
- Dr. P.C. Sharma, General Secretary, ISSSWQ and Organizing Secretary, CSSRI, Karnal

**First Announcement**

**4<sup>th</sup> National Seminar**

*on*

**Innovative Saline Agriculture  
in Changing Environment**

**12-14 December, 2014**



*Organised by*

**Indian Society of Soil Salinity and Water Quality,  
Karnal-132 001 (Haryana)**

**Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya,  
Gwalior - 474 002 (M.P.)**

**Central Soil Salinity Research Institute, Karnal- 132 001  
(Haryana)**

*Hosted by*

**Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya,  
Gwalior - 474 002 (M.P.)**

## Preamble

Presently mankind is threatened by two serious problems viz. Global warming and food insecurity. Indian agriculture supports 18% of world population on only 9% of world's arable land and 2.3% of geographical area. Nearly one-third of the country's population lives below poverty line, and about 80% of our land mass is highly vulnerable to drought, floods and cyclones. Despite a stagnant cultivable area at around 142 million hectares (M ha), foodgrains production in the country over the past 10 years has increased from 198 million tonnes (M t) in 2004-05 to 255 M t in 2012-13 at an average of about 6 M t per annum. There are projections that demand for food grains would increase to 345 M t in 2030, requiring it to be increased at the rate of more than 6 M t annually which has to be met from the same or even shrinking land due to increasing competition for land and water resources by non-agricultural sector. Increasing environmental degradation in the form of declining soil fertility, lowering water tables, rising salinity, and degradation of irrigation water quality, is further compounding the problem. With climate variability becoming a major issue, enhancing the resilience of Indian agriculture against natural disasters and climate changes is the need of the hour. Further increase in food production would come only from horizontal expansion of problematic soils. Out of 6.73 M ha salt affected soils, around 2 M ha have been reclaimed following chemical and engineering approaches. This area alone is contributing more than 15 M t to the national pool. Second generation problems have also cropped up leading to decline in yields and emergence of resodification in some areas. Sustainable management of these reclaimed salt affected soils is required to ensure livelihood security to millions of farmers. 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. Besides this, about 6.41 M ha is estimated to be degraded due to waterlogging, out of which 1.66 M ha is due to surface ponding and about 4.75 M ha under sub-surface waterlogging. To address these experiences for the larger benefit of the country, the Indian Society of Soil Salinity and Water Quality has planned to organize 4<sup>th</sup> National Seminar on "Innovative Saline Agriculture in Changing Environment" to bring researchers, planners, farmers and developmental personnel on the common platform to evolve comprehensive and holistic recommendations on diagnostic, reclamation and management options for sustainable productivity from salt affected and waterlogged soils and waters under the changing climatic conditions.

## Scientific Programme

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

1. Innovations in reclamation and management of salt affected soils
2. Advances in remediation and management of poor quality waters
3. Frontier approaches for improving multiple stress tolerance
4. Application of modern tools and techniques for diagnosis and prognosis of salt affected soils and poor quality waters
5. Social, economic and policy dimensions in saline environments

**Special session on Central India:** There would be a special session on the reclamation and management of salt affected soils in Central India, involving farmers.

## 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 covering various themes are being invited by the ISSSWQ.

## Voluntary Papers

Papers for oral/poster presentation will be accepted from intending participants. Interested participants are requested to send abstract of oral/poster paper(s) on any subject related to above mentioned broad categories of themes. The abstract should be of maximum 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. Abstracts will be peer reviewed and only those found suitable will be accepted. While sending abstract(s), it is essential to mention the serial number and title of broad area listed above under which it should be included. Publication of full paper (Proceedings are 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 also consider some good quality papers for publication in the forthcoming issues of the society journal "Journal of Soil Salinity and Water Quality", provided that the senior author is a member of the society.

## Important Dates

Submission of Abstract	15 <sup>th</sup> October, 2014
Acceptance of Abstract	30 <sup>th</sup> October, 2014
Submission of full length paper	15 <sup>th</sup> November, 2014
Acceptance of full length paper	30 <sup>th</sup> November, 2014
Conference Dates	12-14 <sup>th</sup> December, 2014

## Venue

The seminar will be held at the "Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, Gwalior - 474 002 (M.P.)". Gwalior is a historical and major city in the Indian State of Madhya Pradesh and is well connected by rail (on the Main train line between Delhi (Station Code: NDLS) & Mumbai (Bombay) (Station Code: CSTM) and between Delhi & Chennai (Station Code: MAS)), road and air (Rajmata Vijaya Raje Scindia Vimaltal). The weather at Gwalior during October/November is generally pleasant. Light woollens are recommended.

## Registration

All participants are required to register in advance as per the schedule and fee given below. Fee for participation may be sent through Crossed Demand Draft/ Multicity Cheque in favour of "Indian Society of Soil Salinity and Water Quality" payable at Karnal (Haryana). Registration fee may also be transferred directly or electronically through NEFT/RTGS with intimation to Organizing

Secretary on following details: Account No. 30451467955, IFSC Code: SBIN0000665, Bank & Branch: State Bank of India, Main Branch, Karnal (Haryana).

Participants	Details of Registration fees (in Rs.)	
	Upto 15 <sup>th</sup> November 2014	After 15 <sup>th</sup> November 2014
Delegates	3,000/-	4,000/-
Students/ Farmers	1,500/-	2,000/-
Corporate Hoses/ Industry representatives	8,000/-	10,000/-
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 15<sup>th</sup> November 2014 to Dr. P.C. Sharma, Organizing Secretary (Technical), 4<sup>th</sup> National Seminar, ISSSWQ, Central Soil Salinity Research Institute, Karnal 132 001 (Haryana). Soft copy may be sent at [salinityseminar2014@gmail.com](mailto:salinityseminar2014@gmail.com) and [pcsharma@cssri.ernet.in](mailto:pcsharma@cssri.ernet.in). Registration form can also be downloaded from the CSSRI website : [www.cssri.org/isswwq](http://www.cssri.org/isswwq).

N.B. Registration fees once paid is not refundable or adjustable against any other person.

## Sponsorship

Sponsorship for the Conference are invited from different organizations, professionals, manufacturers and suppliers of instruments, equipments, chemicals, glassware, plasticware, software suppliers and contractors etc. as per following.

Sponsorship Category	Sponsorship Amount	Free Delegates
Platinum	Rs. 30,000/-	3
Gold	Rs. 20,000/-	2
Silver	Rs. 10,000/-	1

The Platinum sponsor will get free advertisement in banners, posters and souvenir/ proceedings (Full page colour). Gold sponsor will get free advertisement in banners, posters and souvenir/ proceedings (Full page B&W). Silver sponsor will get free advertisement in banners, posters and souvenir/ proceedings (Half page B&W). In addition to above, sponsorship for Conference Lunch and Dinner are invited separately.

## Accommodation

Limited accommodation would be arranged in the guest houses of Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, Gwalior. Besides, a range of hotel accommodation is available at reasonable rates. The hotel accommodation could be arranged provided advance against hotel accommodation is sent alongwith registration fees.

## Post Seminar Tour

The post seminar tour will be arranged to the historical places in and around Gwalior on payment basis.