

# REGISTRATION FORM

## ICAR-CSSRI GOLDEN JUBILEE INTERNATIONAL SALINITY CONFERENCE

### Resilient Agriculture in Saline Environments under Changing Climate: Challenges & Opportunities (RAISE - II)

7-9 February 2019, Karnal-132001 (Haryana), India

Name : \_\_\_\_\_ Telephone (Res.) : \_\_\_\_\_  
 Designation : \_\_\_\_\_ Residence/Mobile: \_\_\_\_\_  
 Sex: M/F : \_\_\_\_\_ Fax : \_\_\_\_\_  
 Telephone (Off.) : \_\_\_\_\_ E-mail : \_\_\_\_\_  
 Organization : \_\_\_\_\_  
 Mailing Address : \_\_\_\_\_

#### Accompanying Person:

Whether Participating in the Conference : Yes/No  
 Whether Presenting a Paper : Yes/No  
 Title of Paper : Paper : Oral/Poster  
 Whether Participating in the Exhibition : Yes/No  
 Whether Participating in Technical/Post Conference Tours : Yes/No

#### PARTICULARS OF REGISTRATION FEE

Registration fees paid in the form of Online/Cheque/DD  
 Amount Rs: \_\_\_\_\_ (In words) \_\_\_\_\_  
 Cheque/ Demand Draft No: \_\_\_\_\_, Date: \_\_\_\_\_  
 Name of the Bank/Branch : \_\_\_\_\_

Signature of Participant

#### MODE OF PAYMENT

Payment through Online/Cheque/DD drawn in favour of "Indian Society of Soil Salinity and Water Quality" payable at Karnal, Haryana, India (Preferably Online transfer)

#### Bank Details for Electronic Transfer:

Name of the Bank : State Bank of India  
 Bank address : The Mall, Karnal -132001 (Haryana), INDIA  
 Saving Account No : 30451467955  
 IFSC Code for NEFT/RTGS : SBIN0000665

Cash payment will not be entertained

#### ADDRESS FOR CORRESPONDENCE

Organizing Secretary, GJISC-2019  
 ICAR-Central Soil Salinity Research Institute,  
 Kachhwa Road Karnal-132001 (Haryana), India

Web: [www.cssri.org](http://www.cssri.org); E-mail: [isswq2008@gmail.com](mailto:isswq2008@gmail.com); [salinitysocietykarnal@gmail.com](mailto:salinitysocietykarnal@gmail.com)

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Dr. A.K. Singh, VC, RVSKVV, Gwalior

Dr. B.R. Chhipa, VC, SKRAU, Bikaner

Dr. P.S. Rathore, VC, SKN Agri. Univ., Jobner

Dr. K.P. Singh, VC, CCSHAU, Hisar & MPHU, Karnal

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Dr. Steve Adkin, Queensland, Australia

Dr. P.C. Sharma, Director, CSSRI, Karnal and Organizing Secretary

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Dr. P.C. Sharma, Director, CSSRI, Karnal and Organizing Secretary

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Dr. M.J. Kaledhonkar, PC, AICRP, Karnal and Co-organizing Secretary

## ICAR-CSSRI GOLDEN JUBILEE INTERNATIONAL SALINITY CONFERENCE

### Resilient Agriculture in Saline Environments under Changing Climate: Challenges & Opportunities

(RAISE-II)

7-9 February 2019 | Karnal, Haryana, India



*Organised By*





**ICAR-Central Soil Salinity Research Institute, Karnal, India**  
and  
**Indian Society of Soil Salinity and Water Quality, Karnal, India**

*Collaborating Organizations*

**Indian Council of Agricultural Research**  
**Ministry of Agriculture and Farmers Welfare, Govt. of India, New Delhi**  
**Indian Society of Soil Salinity and Water Quality, Karnal, India**  
**ICAR-Central Soil Salinity Research Institute, Karnal, India**

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**Venue: ICAR-Central Soil Salinity Research Institute, Karnal, India**



**ICAR-CSSRI GOLDEN JUBILEE INTERNATIONAL SALINITY CONFERENCE**  
**Resilient Agriculture in Saline Environments under**  
**Changing Climate: Challenges & Opportunities**

**(RAISE - II)**

**PRELUDE**

Soil salinity is a major constraint in crop production, affecting more than 100 countries, worldwide. Globally, more than 900 million hectares of land, accounting for nearly 6% of the world's total land area and approximately 20% of the total agricultural land is affected by salinity. The extent of salt affected soils is highest in Asia Pacific region countries like China, Egypt, India, Iran, Pakistan, Thailand and Australia. Other major countries outside this region are Argentina, Russia, and USA. Technological knowledge generated till date has helped in taming the problem in large tracts of land in different countries to restore their full potential. However, new challenges are set to be faced either due to changing climate or land use anomalies, leading to exponential increase in the area under salinity. Presently, the total degraded land due to salinity and sodicity is estimated to be 6.74 million hectare in India and it is likely to increase to 16.2 million ha by 2050. With new challenges cropping up, soil salinity related stresses can be more pronounced and more damaging to crop production in coming years. Identifying gaps in our knowledge, therefore, is of utmost importance to understand the threats and convert them to opportunity to enhance crop and land productivity.

ICAR-Central Soil Salinity Research Institute (CSSRI) at Karnal, Haryana, India, during its journey approaching 50 years, since its inception in 1969, has made impressive contributions in terms of development of technologies for reclamation of salt affected soils and waters. Besides U.S. Soil Salinity Laboratory, CSSRI is the only institution in the world completely dedicated to development of technologies for salty land management for crop production. It has been in the forefront, for last couple of decades, in developing technologies for holistic management of salt affected soils & waters, and extending them to millions of farmers through robust extension mechanisms. In the context of climate

change, the institute is fully geared to face new challenges of mitigation and adaptation for salt affected scenarios. With its first 'International Symposium on Salt Affected Soils', which was organized in 1980, foundation was laid for internationally collaborated efforts to mitigate soil salinity and transform lives of millions of farmers in salt affected areas worldwide. Since 2009, the institute has been organizing biennial national seminars in collaboration with Indian Society of Soil Salinity and Water Quality (ISSWQ), and also publishes Journal of Soil Salinity and Water Quality (JSSWQ), to dissipate salinity related research findings. On its 50<sup>th</sup> anniversary year 2019, CSSRI again proposes to bring together the international scientific community devoted to salinity research through its 'Golden Jubilee International Salinity Conference on **Resilient Agriculture in Saline Environments under Changing Climate: Challenges and Opportunities (RAISE-II)**' from 7 to 9 February 2019. The conference aims to lay a strong foundation for rejuvenated research efforts and to build international collaborations to combat land and water salinization, and strengthen world food security in backdrop of climate change. We sincerely invite national and international fraternity to be part of this congregation.

**MAJOR THEMES:**

Resilient agriculture in saline agro-ecosystems under changing climate

**Sub-Themes**

- Drivers, stresses and key indicators/ parameters of soil salinity and diagnostic criteria for assessment and mapping
- Mechanisms of salinization, its impacts on soils, crops, vital ecological functions and novel strategies for upscaling the saline agro-eco systems amelioration.
- Newer approaches and breeding protocols for inducing stress tolerance in plants

- Alternate land use systems for saline agro-ecosystems
- Climate resilient approaches for higher agricultural productivity of salt affected soils and livelihood security
- Impact assessment, framing dynamic policies, addressing gender and other socio-economic issues for mitigating negative effects of salinization

**CALL FOR PAPERS**

Papers are invited covering recent trends in domains of the sub-themes with a focus on cost effective and innovative technologies that could be replicated in different saline agro-ecosystems, especially in the developing countries.

**EXTENDED SUMMARY SUBMISSION**

The authors are invited to submit extended summary of their research/ extension work, approximate 500 words, clearly stating the background and objectives of the research, brief methodology, preliminary results and highlights. The authors will be informed about the acceptance of the abstract after review by the Scientific Programme Committee.

**PAPER SUBMISSION**

The extended summary (approx. 500 words) can be submitted on E-mail: [issswq2008@gmail.com](mailto:issswq2008@gmail.com) and [salinitysocietykarnal@gmail.com](mailto:salinitysocietykarnal@gmail.com). The submission details and guidelines to the authors for extended summary and full paper preparation (as per guidelines of Indian Journal of Soil Salinity and Water Quality) will be available on conference website. The submitted papers will be reviewed by committee comprising of experts in the related fields. The accepted papers will be included in the conference proceedings.

**PRESENTATIONS & LANGUAGE**

Presentations cover plenary lectures, invited papers, contributory oral papers and poster presentations. English will be the official language of the conference.

**IMPORTANT DATES**

|                         |               |
|-------------------------|---------------|
| Summary Submission      | 30 Sept. 2018 |
| Summary acceptance      | 30 Oct. 2018  |
| Early Bird Registration | 30 Nov. 2018  |
| Conference registration | 30 Nov. 2018  |
| Conference Dates        | 7-9 Feb. 2019 |
| Post Conference tour    | 10 Feb. 2019  |

**REGISTRATION FEE**

**1. Indian Delegates**

Scientists: INR (₹) 7500/-  
 (After due date: ₹ 8500/-)  
 Industry and private institutes:  
 ₹ 10,000/-  
 Students: ₹ 4000/-  
 (After due date: ₹ 4500/-)  
 Accompanying person: ₹ 4500/-  
 (After due date: ₹ 5000/-)

**2. Foreign Delegates**

Scientists (except SAARC Nations):  
 USD (\$) 350 (After due date: \$ 400)  
 Students (except SAARC Nations):  
 \$ 200 (After due date: \$ 225)  
 Scientists (from SAARC Nations):  
 \$ 150 (After due date: \$ 200)  
 Students (SAARC Nations):  
 \$ 100 (After due date: \$ 125)  
 Industry and Private Organizations:  
 \$ 650 (After due date: \$ 700)  
 Accompanying person: \$ 250

**VISA INFORMATION**

All foreign nationals visiting India are required to possess a valid international travel document in the form of a national passport with a valid visa obtained from an Indian Mission or Post abroad. All Individual visa seekers are advised to apply for the Indian Visa, through online application link, in order to make an application for getting the Indian visa. For details please visit <https://indianvisaonline.gov.in/>

**ACCOMODATION AND TRAVEL**

Registration fee does not include accommodation charges. Accommodation will be arranged in guest houses and hotels as per the choice of the participants on request. Tariff will be intimated in our website. Please visit our site [www.cssri.org](http://www.cssri.org)

**POST CONFERENCE TOUR**

The post conference tour will be arranged to the historical places Delhi-Agra; Amritsar, Wagha Border as per requirement on payment basis.

**POST CONFERENCE TECHNICAL TOURS & CULTURAL PROGRAM**



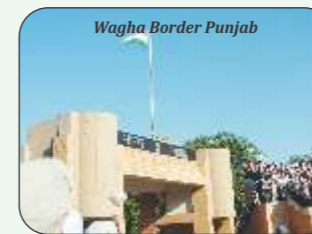
Brhma Sarovar Kurukshetra



Taj Mahal Agra



Golden Temple Amritsar



Wagha Border Punjab



Red Fort New Delhi



Hawa Mahal Jaipur

**VENUE: ICAR-Central Soil Salinity Research Institute, Karnal** The Karnal, a pre-historical epic city in state of Haryana, is located 132 km north of Delhi on National Highway No. 1 (i.e. Grant Trunk Road). It is well connected by road and rail. The city is believed to have been founded by King Karna "the all-time great donator" and a key figure of the Mahabharata epic fame, who died at the hands of his brother and arch rival, Arjuna "the greatest archer". Also, it is the birthplace of the first Indo-American woman astronaut Kalpana Chawla who went to space twice; first on the Space Shuttle Columbia in 1997 as a mission specialist and primary robotic arm operator and second time as one of the seven crew members that died in the Space Shuttle Columbia disaster in 2003. More recently, Karnal city was selected as one of the hundred Indian cities to be developed as smart city under PM Narendra Modi's flagship Smart Cities Mission.

Karnal is center of numerous agriculture research and educational institutes. These include ICAR-CSSRI, IIW&BR, NDRI, NBAGR, Maharana Pratap Horticulture University and research centres of IARI, SBI, CSHAU and LUVAS. The region is also home for many related associations and

companies thus having leads and fruitful connections. ICAR-CSSRI has demonstrated many successful technological interventions in the field of reclamation and sustainable management of saline agro-ecosystems with regional and global importance. This conference is step forward to present and explore work especially in sustainable management of saline agro-ecosystems globally to serve farming community in a better way.

**WEATHER**

Karnal is situated at 29° 41' N latitude and 76° 59' E longitude and 252 meters above mean sea level with tropical climate. During February, the maximum day temperature ranges between 20-22°C while nights are cool with minimum temperature range of 08-15°C. Days are sunny and cotton clothing is suitable. However, occasionally warm clothing may be required during night as well as in case of drop in temperature due to snowfall in Shiwalik hills.

**HOST ORGANIZATION**

ICAR-Central Soil Salinity Research Institute, Karnal – 132 001, India and Indian Society of Soil Salinity and Water Quality, Karnal – 132 001, India