

National Seminar
on
**Smart Technologies for Sustainable
Agriculture and Environment**

February 22-23, 2024
(Thursday-Friday)

at
**ICAR-Central Research Institute for Dryland
Agriculture, Hyderabad**



Jointly Organized by



Indian Society of Agrophysics, New Delhi
and
ICAR-CRIDA, Hyderabad

Seminar features

- The tenth Dr B.P. Ghildyal Memorial Lecture to be delivered by Dr H. Pathak, DG ICAR and Secretary, DARE
- Presentation on “Dr Shibendu Shankar Ray Best Doctoral Thesis Award”

Research areas on which abstract can be submitted


- Soil Physics-Flow and transport of water, heat, sediment and solutes, soil-water-plant interactions, Impact of soil physical condition on plant growth, characterization of soil hydraulic properties, soil health and quality, 3-D characterization of soil structure
- Remote sensing and GIS-Land use and land cover mapping, LAI estimation, spatial variability analysis, geostatistics, digital soil mapping, RS based crop insurance, microwave and hyperspectral remote sensing, Drone remote sensing
- Biophysics/Plant physics- Stress monitoring through thermal imaging, Biophysical characteristics of crops
- Simulation modelling- Modelling of crop growth and yield, soil water balance, root water uptake
- Agrometeorology-Crop weather interaction, forecasting of diseases and pests, crop yield estimation, agroadvisory, drought forecasting and management, weather extremes
- Climate change/ adaptation /mitigation
- Machine learning, artificial intelligence, big data analysis, robotic agriculture, digital agriculture
- Precision farming- SPNM, wireless network sensors, VRT, real time crop and soil monitoring
- Conservation agriculture, carbon sequestration and management practices, green house gas emission, soil health under organic farming
- Ecosystem services
- Nanotechnology in agriculture
- Efficient soil and water management strategies
- Soil and water conservation and climate risk management



Registration fees

Member	:	Rs. 3000/-
Non-members	:	Rs. 4000/-
Students/RA/SRF	:	Rs. 1000/-

Registration fee is to be paid in advance by each delegate to the **Secretary, Indian Society of Agrophysics, Room No. 102, Division of Agricultural physics, NRL Building, ICAR-Indian Agricultural Research Institute (Pusa Campus), New Delhi - 110012** in the form of a bank draft drawn in favour of “**Indian Society of Agrophysics**” and payable on any bank in New Delhi so as to reach the ISAP headquarters by **15th December 2023** or registration fee may also be paid by direct online bank transfer:

Beneficiary Name	: Indian Society of Agrophysics	
A/C No.	: 90292010026182	
IFSC Code	: CNRB0019029	
Branch Code	: 9029	
Bank	: Canara Bank	
Branch	: Pusa Campus, IARI, New Delhi - 110 012	

Registration fee once paid will neither be refunded nor transferred to any other purpose or person.

Abstract Submission

Abstracts of original research papers on any above-mentioned topics are invited for ORAL/POSTER presentation in the National Seminar. Each abstract is to be a self-contained one, prepared in **not more than 300 words**, stating briefly the objective(s), methodology and major findings. **Table(s), figure (s) or illustrations will not be accepted.** Presentation of an abstract in oral session will be allowed only when the abstract has been accepted for oral presentation and also one of the authors deposits the Registration fee with the Society office at New Delhi on or before **due date**. Poster sessions will also be arranged. Only those abstracts which are received by due date and presented during the seminar will be post printed electronically.

Important Dates

Last date for submission of abstract	: 31st December, 2023
Date of issuing acceptance	: 15th January, 2024
Last date of registration	: 15th February, 2024

Awards

- Fellow, Indian Society of Agrophysics
- Dr Shibendu Shankar Ray Best Doctoral Thesis Award

Accommodation

Due to limited availability, accommodation in Institute guest houses will be available only on first come first serve basis. Booking in nearby hotels may be facilitated subject to payment of half tariff in advance along with registration fee. Regarding accommodation and transportation, the information and contact details will be notified in society website very soon.

Contact Details:

Local Organizing Convenor

Dr Vinod Kumar Singh

Director

ICAR-CRIDA, Hyderabad – 500059

Email: director.crida@icar.gov.in

Mobile No: +91-9821349639

Local Organizing Secretary

Dr Santanu Kumar Bal

Project Coordinator, AICRP on Agrometeorology

ICAR-CRIDA, Hyderabad – 500059

Email: isapns2024@gmail.com; santanu.bal@icar.gov.in

Mobile No: +91-9860477445

Organizing Secretary

Dr Pragati Pramanik Maity

Secretary, Indian Society of Agrophysics

IARI, New Delhi-110012.

Email: secretary.agrophysics@gmail.com

Mobil: +91-8447316844

