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## **THE INDIAN SOCIETY OF AGROPHYSICS**

*Division of Agricultural Physics  
ICAR-Indian Agricultural Research Institute  
New Delhi-110012, INDIA*

*Ph: +91-11-25841178 Fax: +91-11-25843014*

*(M): +91-8447316844; Email: [secretary.agrophysics@gmail.com](mailto:secretary.agrophysics@gmail.com)*

## **National Symposium on Digital Farming: The Future of Indian Agriculture**

The National Symposium of the Indian Society of Agrophysics (ISAP) will be held at the IISS, Bhopal during **2-3 February, 2023** (Thursday-Friday)

### **Symposium features:**

- The Ninth Dr B. P. Ghildyal Lecture to be delivered by Dr H Pathak, Secretary, DARE and DG, ICAR
- Presentation on “Dr Shibendu Shankar Ray Best Doctoral Thesis Award”
- AGM of Indian Society of Agrophysics
- Interaction with Farmers, KVK, ATARI

### **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
- Smartphone based NRM tools and communication networks
- 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
- Precision nutrient and water management, Robotics, big data analytics, smart agriculture
- 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 disease and pest, crop yield estimation, agroadvisory, drought forecasting and management, weather extreme, automation of agroadvisories
- 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

**Venue:**

***Indian Institute of Soil Science, Bhopal***

**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 **25<sup>th</sup> January, 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 Symposium. 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 Symposium will be post printed electronically.

**Important Dates:**

Last date for submission of abstract: **10<sup>th</sup> January, 2023**

Date of issuing acceptance: **15<sup>th</sup> January, 2023**

Last date of registration: **25<sup>th</sup> January, 2023**

**Awards**

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

**Accommodation**

Due to limited availability, accommodation in Institute guest houses is 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.

For more details, please contact Secretary, The Society of Agrophysics, IARI, New Delhi-110012.

Email: [secretary.agrophysics@gmail.com](mailto:secretary.agrophysics@gmail.com)

(M): +91-8447316844

*Pragati*

(Pragati Pramanik Maity, Secretary, ISAP)