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THE INDIAN SOCIETY OF AGROPHYSICS

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National Seminar on Agrophysics for Smart Agriculture (First Announcement)

The National Seminar of the Indian Society of Agrophysics (ISAP) will be held at the NASC, New Delhi during February **22-23, 2022** (Tuesday-Wednesday).

Seminar features:

- The Eighth Dr B. P. Ghildyal Lecture to be delivered by Prof. Dr Rattan Lal
- Special Session on Water resource management
- Special Session on Drone Remote Sensing for Smart Agriculture
- 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 disease and pest, crop yield estimation, agro advisory, drought forecasting and management, weather extreme
- 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:

National Agricultural Science Centre Complex, Dev Prakash Shastri Marg, Pusa, New Delhi - 110012

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 January 2022** 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 Convention will be post printed electronically.

Important Dates:

Last date for submission of abstract: **31st December, 2021**
Date of issuing acceptance: **15th January, 2022**
Last date of registration: **15th February, 2022**

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.

Email: nsapsa2022@gmail.com

Contact Details:

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(Pragati Pramanik Maity, Secretary, ISAP)