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IMPORTANT DATES

Last date for submission of abstract: 10 Jan, 2023
Date of issuing acceptance: 15 January, 2023
Last date of registration: 25 January, 2022

ACCOMMODATION

Due to limited availability, accommodation in Institute guesthouses is only on a first-come, first-serve basis. Delegates are requested to book hotels nearby. Those delegates accompanied by their spouse should necessarily make their lodging at hotels.

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 Symposium will be post printed electronically.

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National Symposium on Digital Farming: The Future of Indian Agriculture



DATE
2-3 February 2023

VENUE
INDIAN INSTITUTE OF SOIL SCIENCE, BHOPAL

ORGANIZED BY:
INDIAN SOCIETY OF AGROPHYSICS
NEW DELHI



ABOUT THE SYMPOSIUM

The Symposium will focus core aspects of digitalization of agriculture integrating cutting-edge digital technology into the farm production system and natural resource management, including Artificial Intelligence, Big Data Analytics, drone remote sensing, sensors, and communication networks. Improving resource use efficiency and production is now a great challenge in agriculture to meet the growing demands. Agrophysical technology and digitization of agriculture play a role in improving farming productivity and accuracy by assisting them in choosing better crops, hybrid seeds, and resource-efficient farming techniques.

ABOUT THE SOCIETY

The Indian Society of Agrophysics was established in 1985 under the Societies Registration Act XXI of 1860 at Delhi (No. S-15930). It is a society of professionals working in the field of agricultural physics and allied disciplines with the main objective of promoting research, education and training. The society focuses on different aspects of natural resource management in agriculture including soil physics, agricultural meteorology, remote sensing and biophysics including application of physics in agriculture. The society publishes Journal of Agricultural Physics (JAP), organizes annual symposiums, workshops and popular lectures. Currently the society has 210 life-members.



RESEARCH THEMES

- 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
- 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 extreme
- Climate change/ adaptation /mitigation
- Machine learning, artificial intelligence, big data analysis, robotic agriculture, digital agriculture
- Precision farming- SPM, 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 FEE

Member	Rs. 3,000/-
Non-member	Rs. 4,000/-
Students/RA/SRF	Rs. 1,000/-

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
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