#### **Chief Guest**



**Dr. S. K. Chaudhari**DDG (NRM)
President , ISAP

#### **Chief Patron**



**Dr. R. C. Srivastava**Vice-Chancellor, RPCAU
Patron, ISAP (Bihar Chapter)



Dr. K M Singh Dean, PGCA Convenor



**Dr. Ambrish Kumar**Dean, CAET
Convenor

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# WEBINAR

# ADVANCED APPROACHES FOR ENHANCING AGRICULTURAL WATER PRODUCTIVITY

22 MARCH, 2022



#### Title of the Talk

A Data-Driven Approach Using the High-Resolution Soil Moisture Product to Identify Water-Demand in Agricultural Region

**About Lead Speaker** 



#### Dr. Narendra N. Das

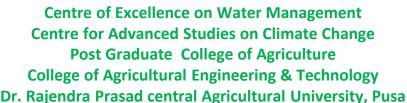
Associate Professor Deptt. of Biosystems & Agril. Engg. Michigan State University, MI, USA Former Research Scientist at NASA Jet Propulsion Laboratory, California

Prior to joining MSU, Dr. Das worked as a Research Scientist at the NASA Jet Propulsion Laboratory (JPL), California Institute of Technology for 12 years (2008 - 2020). He was born in Bhilai, India. He received the Bachelor of Engineering degree from the NIT, Raipur, India, and the Master and the Ph.D. degrees from Texas A&M University, College Station, Texas, in 2005 and 2008, respectively. He is a Science Team member for the Soil Moisture Active and Passive (SMAP) mission. He is the Principal Investigator of the Applied Science NASA SERVIR program to implement Drought and Crop Forecast System for East Africa region and Lower Mekong Basin Countries. He is also a Science Team member of the NASA ISRO SAR (NISAR) mission with the responsibility to produce very high-resolution global soil moisture data product.



Indian Society of Agrophysics (Bihar Chapter)

In collaboration with







National Higher Education Project Climate Resilient Agriculture Programme



# Programme Schedule

Inaugural Session	Introduction of Society: Mr. Vikas Kr. Rai, Secretary, ISAP (Bihar Chapter)
	Welcome address by <b>Dr. Mukesh Kumar,</b> President, ISAP (Bihar Chapter)
	Address by Convenor: <b>Dr. Ambrish Kumar</b> , Dean (CAET), RPCAU, Pusa
	Address by Convenor: <b>Dr. K. M Singh</b> , Dean (PGCA), RPCAU, Pusa
01:00 – 02:00 pm	Presidential address by <b>Dr. S. K. Choudhary,</b> DDG (NRM) & President , ISAP
	Address by Chief Patron : <b>Dr. R. C. Srivastava,</b> Hon'ble Vice-Chancellor, RPCAU, Pusa
	Vote of Thanks : <b>Dr. M C Manna,</b> Vice-President, ISAP (Bihar Chapter)
	Lunch Break (02:00 – 03:00 PM)
<b>Technical Session</b>	Activities of RPCAU in Agricultural Water Management
03:00 – 03:30 pm	Speaker: Mr. Vikas Kumar Rai, Assistant Professor (Soil Physics, RS & GIS), RPCAU, Pusa.
03:30 – 04:15 pm	A Data-Driven Approach Using the High-Resolution Soil Moisture Product to Identify Water
	Demand in Agricultural Region
	Speaker: Dr. Narendra N Das, Assoc. Prof. Michigan State University, MI, USA
04:15 - 05:00 pm	Panel Discussion with all the dignitaries



# Convenor

## **Co-convenor**

**Dr. K M Singh**Dean, PGCA

**Dr. Ambrish Kumar**Dean, CAE

**Dr. Mukesh Kumar**President, ISAP

**Dr. Ratnesh Kr. Jha**PD, CASCC

Dr. S K Jain PD, CoE - WM

# **Organizing Secretary**

Mr. Vikas Kr. Rai

Assistant Professor (Soil Science) & Secretary, ISAP (Bihar Chapter)

# **Member Organizing Committee**

**Dr. M C Manna**Professor & Head
Soil Science

**Dr. Ravish Chandra**Assoc. Professor
Soil Water Engg.

**Dr. Santosh Kr. Singh**Asstt. Professor
Soil Science

**Dr. S P Singh** Asstt. Professor Soil Science **Dr. B. Pramanik**Asstt. Professor
Agronomy

Er. Nidhi Kumari SMS (KVK, Turki) Soil & Water Engineering

Technical Support: Er. Sneh Sansar & team, ARIS Cell, RPCAU, Pusa