

Dr. R. C. Srivastava  
Hon'ble Vice-Chancellor  
RPCAU, Pusa (Bihar)

# National Webinar on Hydroinformatics for Smart Water Management in Agriculture



October 20, 2020 Time: 10:00 – 18:00 hrs



Dr. J. V. Tyagi  
Director, NIH, Roorkee



Dr. Indra Mani  
President ISAE & Head  
Div. of Agril. Engg.  
ICAR- IARI, New Delhi

## Themes :

- *AI & UAV for Smart Water Management (SWM)*
- *Nanotechnology-enabled sensor for SWM*
- *Google Earth engine based quick & easy tools /gadgets*
- *Advances in monitoring, assessment & mitigation of floods.*



Dr. P. K. Mishra  
Consultant (IDC),  
ICRISAT, Hyderabad  
& Ex-Director IISWC,  
Dehradun



Dr. S. K. Mishra  
Professor & Ex-Head  
Deptt. of WRDM  
IIT Roorkee

## Jointly organised by

CAE, RPCAU, Pusa, Bihar,  
NIH, Roorkee,  
Deptt. of WRDM, IIT Roorkee  
&

Div. of Agril. Engg., ICAR-IARI, New Delhi



Dr. Ambrish Kumar  
Dean, CAE  
RPCAU, Pusa

Registration Link : [Click Here](https://forms.gle/gWECorLUcKtXjhiK7) / <https://forms.gle/gWECorLUcKtXjhiK7>

Meeting Link: [Join Meeting](https://rpcau.webex.com/rpcau/onstage/g.php?MTID=e56c8ade5bcd237798eb94c3ae0d5146b) / <https://rpcau.webex.com/rpcau/onstage/g.php?MTID=e56c8ade5bcd237798eb94c3ae0d5146b>

Meeting Id: 170 238 5391

Password: webinar@cae

## --: Conveners --:

Dr. Ambrish Kumar  
Dean, CAE  
RPCAU, Pusa

Dr. R. P. Pandey  
Scientist G, Environmental  
Hydrology, NIH, Roorkee

Dr. Ashish Pandey  
Professor  
WRDM, IIT, Roorkee

Dr. D. K. Singh  
Professor, Div. of Agril. Engg.,  
ICAR-IARI, New Delhi

## --: Co-conveners --:

Dr. R. Suresh  
Professor & Head  
SWE, CAE, Pusa

Dr. S. K. Jain  
Professor & Project Director  
CoEWM, RPCAU, Pusa





Dr. S. K. Patel  
Assoc. Professor & Head  
FMPE, CAE, Pusa



**--: Inaugural Session --:  
10:00 – 11:00 hrs**

**Technical Session- I**






<b>Chairman</b>	<b>Rapporteur</b>
Dr. J. V. Tyagi Director, NIH, Roorkee	Ravish Chandra Asstt. Professor, CAE, Pusa

Speaker's Name	Topic	Time (hrs)
 Dr. Indra Mani Head, Div. of Agril. Engg., ICAR- IARI, New Delhi	UAV for micro level planning and monitoring of agriculture	11:00 – 11:30
 Dr. S. K. Mishra Prof. & Ex-Head, Deptt. of WRDM, IIT, Roorkee	New dimensions in SCN-CN for effective land and water management	11:30 – 12:00
 Dr. D. K. Singh Professor, Div. of Agril. Engg., ICAR-IARI, New Delhi	Artificial intelligence for smart water management in agriculture	12:00 – 12:30
 Dr. D .R. Sena Div. of Agril. Engg., ICAR-IARI, New Delhi	Remote sensing of surface soil moisture; State of Art tools and product for smart water resources management	12:30 – 13:00

**Lunch Break: 13:00- 14:45 hrs**

**Technical Session- II**

<b>Chairman</b>	<b>Rapporteur</b>
Dr. P. K. Mishra Consultant (WC), ICRISAT, Hyderabad	Mr. Vikas Kumar Rai Asstt. Professor, Soil Science, TCA, Dholi

 Dr. Ajay Joshi Automation Expert (IoT) Indore	IoT for next-gen agriculture water management	15:00 – 15:30
 Dr. Rakesh Kumar Scientist G & Head, Surface Water Hydrology, NIH, Roorkee	Advances in monitoring, assessment and mitigation of floods	15:30 – 16:00
 Dr. R. P. Pandey Scientist G, Environmental Hydrology, NIH, Roorkee	Regional drought monitoring, assessment and mitigation,	16:00 – 16:30
 Dr. Ashish Pandey Professor WRDM, IIT, Roorkee	Modelling tools and techniques for soil and water management	16:30 – 17:00
 Dr. A. K. Lohani Scientist G, Surface Water Hydrology, NIH, Roorkee	Application of Google Earth engine in agriculture water management	17:00 – 17:30

**--: Plenary Session:--  
17:30 – 18:00 hrs**

**--: Organizing Secretaries --:**

Er. Sudarshan Prasad  
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**--: Organizing Team --:**

Dr. S. P. Gupta  
Professor, CAE, Pusa

Dr. R. Chandra  
Asstt. Professor, CAE, Pusa

Er. I. B. Bhagat  
Asstt. Professor, CAE, Pusa

Er. S. K .Nirala  
Asstt. Professor, CAE,  
Pusa