

International Webinar

on

Building Climate Resilience in Agriculture through Agrometeorology and other Technological Interventions

Chief Guest



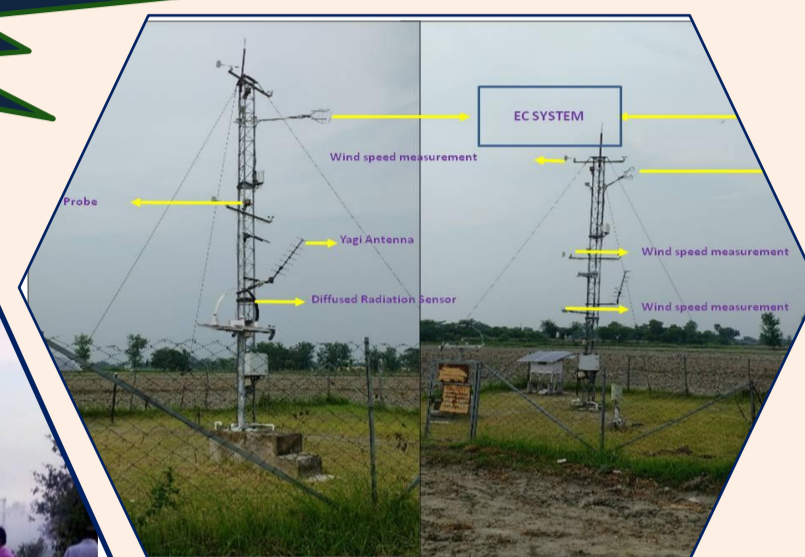
Dr. R.C. Srivasatava
Vice-Chancellor, RPCAU

Guest of Honour



Shri N. Saravana Kumar
Secretary Agriculture,
Govt. of Bihar

15-17 December, 2020



Themes of the Webinar

- ✓ *Climate change, extreme weather and impact assessment*
- ✓ *Climate resilient agriculture towards sustainability*
- ✓ *Climate services for sustainable agriculture*
- ✓ *Crop modelling and risk management*
- ✓ *Agrometeorological and geospatial information for productivity enhancement*

Meetings links

Day 1

Day 2

Day 3

Virtual Platform



Register here

E-certificates will be issued to the participants through Day-1 link

Centre for Advance Studies on Climate Change
Dr. Rajendra Prasad Central Agricultural University,
Pusa(Samastipur)-848 125, Bihar



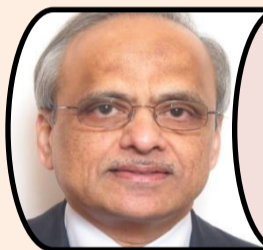
ABOUT THE WEBINAR

Climate change is now a harsh reality and the impacts are now being seen all over the world. The challenges facing agriculture are thus enormous and should be tackled with modern technologies, innovative research & development approaches that are environment friendly and veering around stable adaptive capacities. In view of this, planned adaptation is essential to increase the resilience of agricultural production system to climate change. Management practices and technologies that increase agricultural production under adverse climatic condition tend to support climate change adaptation because they increase resilience and reduce yield variability under variable climate and extreme events. In this context, agrometeorological and other technological interventions could play decisive role in tackling climate change. The webinar would help exchange ideas among the researchers and academicians working in the field of climate change across the globe and thereby taking proactive measures to support agriculture in the context of changing climate. The outcome of the webinar will be vital for undertaking research strategies for agriculture under changing climatic scenario.

EMINENT SPEAKERS



Introductory remarks: **Dr. Mithilesh Kumar**, Director Research, RPCAU, Pusa



Dr. Mannava Sivakumar ; Former Director, Climate Prediction and Adaptation Branch (CLPA), World Meteorological Organization (WMO), Geneva, Switzerland, Founding Editor-in-Chief, Weather and Climate Extremes (Elsevier)



Dr. K.K. Singh ; Head (AASD) & Scientist G, IMD, Ministry of Earth Sciences, New Delhi, India



Dr. B.K. Bhattacharya ; Director, Biological and Planetary Sciences Group, Space Application Centre, ISRO, Ahmedabad, India



Dr. N. Chattopadhyay ; President, International Society for Agricultural Meteorology (INSAM), Consultant in World Bank & Senior International AgroMeteorological Consultant, Department of Agricultural Extension (DAE), Ministry of Agriculture, Bangladesh , Former DDG, IMD, Pune, India



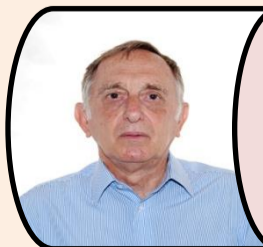
Dr. Peter Dorward ; Professor of Agricultural Systems and Co-Head of Department of International Development, School of Agriculture, Policy and Development, University of Reading, England



Dr. Samsul Huda ; Associate Professor & Senior Agroclimatologist/Modeller, School of Science, Western Sydney University, Australia



Dr. S.K. Bal ; Project Coordinator (Agrometeorology), AICRP on Agrometeorology (AICRPAM), ICAR - Central Research Institute for Dryland Agriculture (CRIDA), Santoshnagar, Hyderabad – 500059, India



Dr. Orivaldo Brunini ; Director, Agricultural Research Support Foundation, Brazil & Former Professor of Agrometeorology , Faculdade Luiz Meneghel, Brazil



Organizing Team



Patron

Dr. R.C. Srivastava
Vice Chancellor, RPCAU, Pusa

Convenors

Dr. Mithilesh Kumar
Director Research

Dr. K.M. Singh
Dean, PG College of Agriculture

Dr. N.K. Singh
Associate Director Research

Organizing Secretary

Dr. Abdus Sattar
Agrometeorologist, CASCC

Co-Organizing Secretary

Dr. SP Singh, Assistant Professor, Soil Science and Disaster Management
Dr. Rajeev Nayan Bahuguna, Assistant Professor, Plant Physiology

Programme Coordinator

Dr. R.K. Jha
Project Director, CASCC

Organizing Team

Dr. S.K. Patel, Associate Professor & Head, Farm Machinery and I/C ARIS Cell
Dr. Satish Kumar Singh, Associate Professor, Plant Breeding
Er. S.K. Nirala, Assistant Professor, Agril. Engineering
Dr. Abbas Ahmad, Assistant Professor, Entomology
Dr. Biswajit Pramanick, Assistant Professor, Agronomy
Dr. Gangadhar Nanda, Assistant Professor, Agronomy
Dr. Gulab Singh, Technical Officer, GKMS Project

Technical Support

Er. Sneh Sansar, Assistant Engineer
Sri Prashant Muarya, Lab technician
Sri Prem Kumar Prajapati, Lab technician



Centre for Advanced Studies on Climate Change
Dr. Rajendra Prasad Central Agricultural University
Pusa (Samastipur) – 848125, Bihar

Programme Schedule for International Webinar

on

“Building Climate Resilience in Agriculture through Agrometeorology and other Technological Interventions”

(15 – 17 December, 2020)

Organized by,

Centre for Advanced Studies on Climate Change

Dr. Rajendra Prasad Central Agricultural University, Pusa (Samastipur), Bihar

Time (IST)	Particulars	Concerned scientist
Day-1 (15.12.2020)		
10:45-11:15 hrs	Welcome address	Dr. R.K. Jha Dr. A. Sattar
	Introductory remarks: Dr. Mithilesh Kumar , Director Research, RPCAU, Pusa	
	Address by Guest of Honour: Sri N. Saravana Kumar , Secretary Agriculture, Govt. of Bihar	
	Address by Chief Guest: Dr. R.C. Srivastava , Hon'ble Vice Chancellor, RPCAU	
11:15-12:00 hrs	Short term & Long-term Weather Prediction Models and Services to Agriculture Sector Dr. K.K. Singh , Head (AASD) & Scientist G, IMD, Ministry of Earth Sciences, New Delhi	
12:00-12:45 hrs	Climate Change, Extreme Weather and Sustainable Agriculture Dr. Mannava Sivakumar , Former Director, Climate Prediction and Adaptation Branch (CLPA), World Meteorological Organization (WMO), Geneva, Switzerland, Founding Editor-in-Chief, Weather and Climate Extremes (Elsevier)	Rappoteurs Dr. Satish Kumar Singh
12:45-13:30 hrs	The Participatory Integrated Climate Services for Agriculture (PICSA) approach: How has it supported farmers to build resilience and address climate variability and change in different countries and contexts? Dr. Peter Dorward , Professor of Agricultural Systems and Co-Head of Department of International Development, School of Agriculture, Policy and Development, University of Reading, UK	Dr. Gangadhar Nanda
Day-2 (16.12.2020)		
11:00-11:50 hrs	Challenges & Opportunities to Coping Strategies with Agrometeorological Risks and Uncertainties in South Asian Region Dr. N. Chattopadhyay , President, International Society for Agricultural Meteorology (INSAM), Consultant in World Bank & Senior International AgroMeteorological Consultant, Department of Agricultural Extension (DAE), Ministry of Agriculture, Bangladesh, Former DDG, IMD, Pune, India	Rappoteurs
11:50-12:40 hrs	Using Crop Models in Assessing and Managing Agroclimatic Risks and Opportunities towards Enhancing Food Security Dr. Samsul Huda , Associate Professor & Senior Agroclimatologist/Modeller, School of Science, Western Sydney University, Australia	Er. S.K. Nirala Dr. Biswajit Pramanick
12:40-13:30 hrs	Space-based Agrometeorological Applications for Climate Resilience Dr. B.K. Bhattacharya , Director, Biological and Planetary Sciences Group, Space Application Centre, ISRO, Ahmedabad, India	
Day-3 (17.12.2020)		
11:00-11:50 hrs	Sustaining Crop Production in Changing Climate: Agrometeorological Perspectives Dr. S.K. Bal , Project Coordinator (Agrometeorology), AICRP on Agrometeorology (AICRPAM), ICAR - Central Research Institute for Dryland Agriculture (CRIDA), Santoshnagar, Hyderabad – 500059, India	Rappoteurs
11:50-12:40 hrs	Agrometeorological Techniques to Support Farmers Activities in a Climate Change Scenario Dr. Orivaldo Brunini , Director, Agricultural Research Support Foundation, Brazil & Former Professor of Agrometeorology - Faculdade Luiz Meneghel, Brazil	Dr. S.P. Singh Dr. Rajeev N Bahuguna
12:45-13:20 hrs	Panel Discussion	All panelists
13.20-13:30 hrs	Vote of thanks	Dr. N.K. Singh