

International Webinar



Translating Physiology into Techniques for Abiotic Stress Tolerance in Crops

Date: 09/10/2020 (Friday)

Time: 04:00 – 07:00PM (IST)

Jointly Organized by

ICAR-National Institute of Abiotic Stress Management, Baramati, Pune

Society for Agricultural Research on Abiotic Stress (SARAS), Indian Society for Plant Physiology (ISPP), New Delhi (India)

About the ICAR-NIASM, Baramati, India

ICAR-NIASM, an unique institute of Indian Council of Agricultural Research (ICAR), was established in 2009 at Baramati, Pune, India. The institute aims at exploring the avenues for management of abiotic stresses affecting the very sustainability of National food production systems. It specifically addresses the aberration induced stresses due to atmospheric, water and edaphic factors, which are estimated to cause 50% losses in crop productivity. Since these stresses are predicted to amplify due to climate change and land degradation, the primary task for the institute is to evolve alleviation techniques through advances in frontier science research. The institute is being structured to enhance capacity of scientists and policy makers mainly by imparting knowledge and by providing the state-of-art facilities for multidisciplinary and multi-commodity research.



About the Webinar

Climate change is taking a toll on India's agricultural productivity and farmers' income. The farmers have been facing challenges of unprecedented rainfall, snowfall, frost, cyclone, etc. Consequent multiple stresses caused by extreme ranges of temperature, soil moisture, solar radiation, soil nutrients etc are challenges to be addressed by Crop Scientists. Decades of research has resulted in accumulation of knowledge about the mechanisms of stress tolerance in plants. Though many of them are not conclusive, sufficient evidences exist to this knowledge for crop improvement. Scientific leads obtained in labs across the globe can be employed in identification of traits associated with stress tolerance and phenomics tools can be developed to phenotype difficult to measure traits. This can facilitate genomics aided crop breeding. In this context, the webinar on "Translating Physiology to Screening Techniques" with an objective to explore status, constraints and opportunities for young research scholars and scientists.

Organizing Committee



Patron

Dr. M B Chetti

President, ISPP, New Delhi & VC, UAS, Dharwad



Patron

Dr. H Pathak

Director, ICAR-NIASM



Organizing Chairman

Dr. Jagadish Rane

Head & Principal Scientist



Convenor

Dr. Mahesh Kumar

Scientist



Organizing Secretary

Dr. Gurumurthy S

Scientist & Secretary (N), ISPP, New Delhi

Eminent Speakers



Prof. M Uday Kumar

University of Agricultural Sciences, Bangalore, India



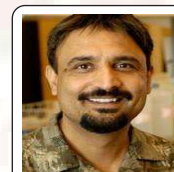
Dr. Arvind Kumar

Director, ISARC and IIRI Representative, India



Dr. Bettina Berger

Scientific Director, The University of Adelaide, Australia



Prof. Kulvinder S Gill

Washington State University, USA



Prof. P K Gupta

Chaudhary Charan Singh University, Meerut, India

Registration

Interested participants may self registered through the link/QR code

<https://forms.gle/BMs8TSkmrfASzam66>



Free Register

Who can participate?

Students, Researchers, Academicians, Policymakers and Stakeholders with interest in Abiotic Stress Management in agriculture

Correspondence

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Note: e-Certificate will be issued to registered participant