Science Setu Webinars by NIPGR
"LIPID SIGNALING FOR STRESS TOLERANCE IN PLANTS"

Press- Note

Date: 25-08-2021, Wednesday

Resource person: Dr. Amarjeet Singh, Scientist III, NIPGR

The Department of Biotechnology, Government of India, has planned "Science Setu" as a virtual platform to connect research Institutes with undergraduate students. Under this, our college has been assigned to National Institute of Plant Genome Research (NIPGR), New Delhi. NIPGR is an autonomous institution aided by the Department of Biotechnology. Research at NIPGR focuses on functional, structural, evolutionary and applied genomics of plants, including crop plants. Through the Science Setu program, our students and faculty virtually connect with NIPGR, New Delhi and got to know about the multifarious kinds of plant based research. It is a unique opportunity for science students at undergraduate level to get an exposure to high-level research.

Dr. Pinky Agarwal, Scientist, NIPGR gave welcome note on this event. Resource person: Dr. Amarjeet Singh, Scientist III, NIPGR started his lecturewith brief overview on environmental stresses and threat they pose to growth and productivity of plants He also gavean outline of signal transduction and its role as an adaptive mechanism against these environmental stresses. He then discussed about lipid signaling in plants as how lipids respond to stress and act as mitigators to reduce the intensity of stressors. He explained the generation of lipid signaling molecules and classification of plant Phospholipases which play a crucial role in lipid signaling. He further elaborated phospholipid mediated stress signaling under drought stress by giving reference to their review articles. Their roles were also discussed under nitrogen deficiency and salt stress. He inspired all the participants for research by explaining his ongoing research on plant phospholipases. In total, 41 participants attended the webinar. Dr. Pinky Agarwal, Scientist IV, NIPGR attended the questions of the participants and gave vote of thanks. It was aknowledgeable and exciting experience for the participants.

























