

**Science Setu Webinars by NIPGR**  
**VIRTUAL VISIT TO NIPGR, NEW DELHI**

**Press- Note**

**Date: 19-03-2021, Friday**

**Resource person: Dr. Subhra Chakraborty, Director, 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. Subhra Chakraborty, Director, NIPGR** showed all the labs to participants to NIPGR through a virtual tour. She started her lecture by telling the participants about the basics of science and research. She told the role of different scientists of Watson and Crick, Werner Arber and Methew Meselson, Robert T Fralay, Kary Mullis in Science and Technology. She told about evolution of plant Science and new Biology: riding the waves. She explained how plant evolved with the changes in climatic and environmental conditions. She stressed upon landmarks & Milestones in Plant Science & Biotechnology and told how the genome of plants can be edited to maintain both the quality and yield of the crop. She gave example of tomato. She explained Integrated Omics Analysis which included Metabolomics, Proteomics, Transcriptomics, Fingernomics and Genomics. She concluded her lecture discussing the Future of plant research mitigating Agricultural and clinical needs towards food & nutritional security. She mentioned the need to breed nutritive value added crops for better human nutrition and feed; breed varieties as source of medicinally important biomolecule for plant and human health; breed improved varieties resistant to specific diseases, pests and insects; linking agricultural innovations with clinical nutrition. Science Faculty and nearly 100 science students attended the event. Dr. Amarjeet Singh, Scientist, NIPGR attended the questions of the participant’s and gave vote of thanks. It was an intellectual and exciting experience for all the participants.

