## SCIENCE SETU WEBINARS by NIPGR RICE GRAIN: A STAPLE FOOD FOR ALL

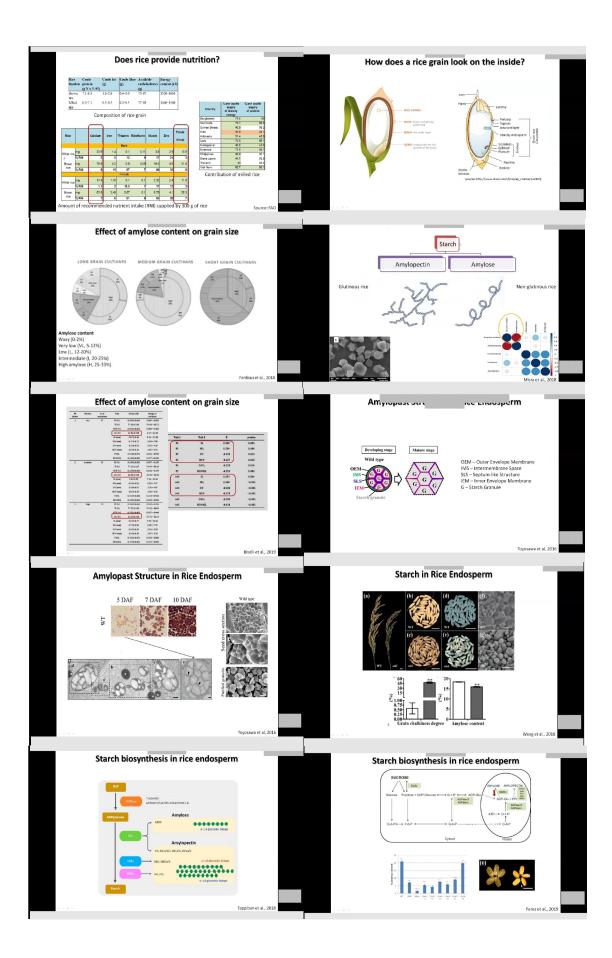
**Press Note** 

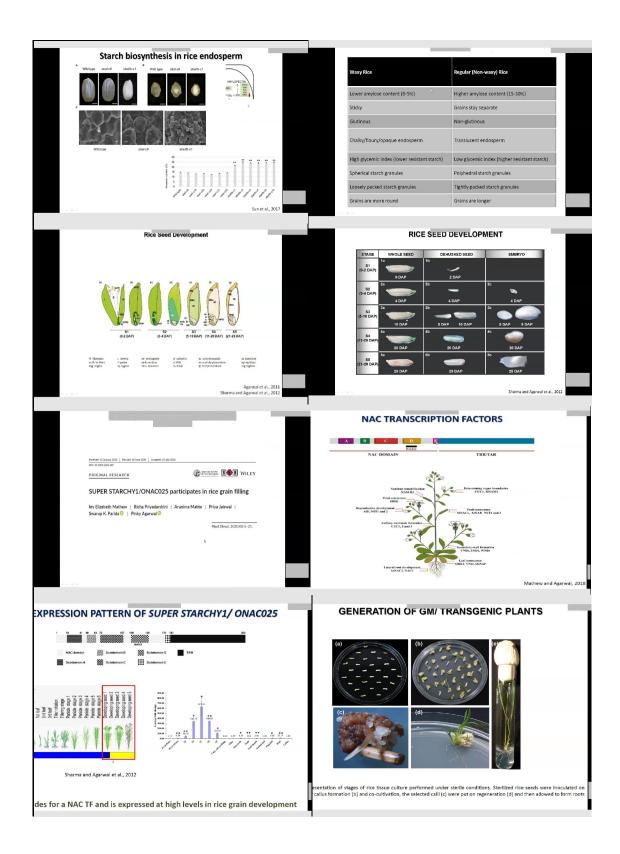
## Date: 13<sup>th</sup> August, 2021, Friday Resource person: Dr. Pinky Agarwal, Scientist IV, NIPGR

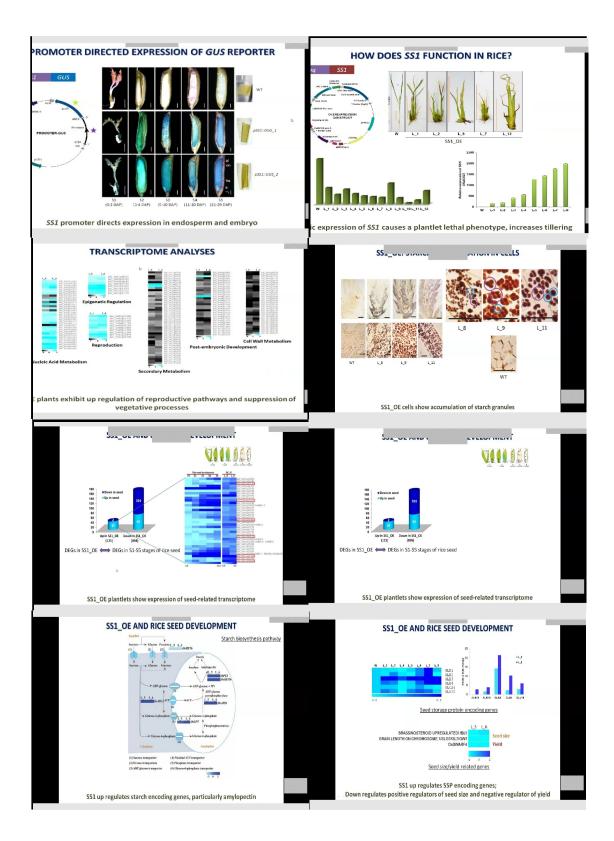
The Department of Biotechnology, Government of India, had planned "Science Setu Webinar" as a virtual platform to connect the Research Institutes with postgraduate and graduate students. Under this, our college has been assigned to National Institute of Plant Genome Research (NIPGR), New Delhi. NIPGR is an autonomous institution aided by the Department of Biotechnology. Research at NIPGR focusing on functional, structural, evolutionary and applied genomics of plants, including crop plants. Through this fourth webinar program, our students and faculty members virtually gained an amazing opportunity to connect with NIPGR, New Delhi and anticipated the effects of combined stresses of environmental factorson plant life. It was a spectacular opportunity for students at undergraduate and postgraduate level of science background on exposure to plant-based research on much higher level.

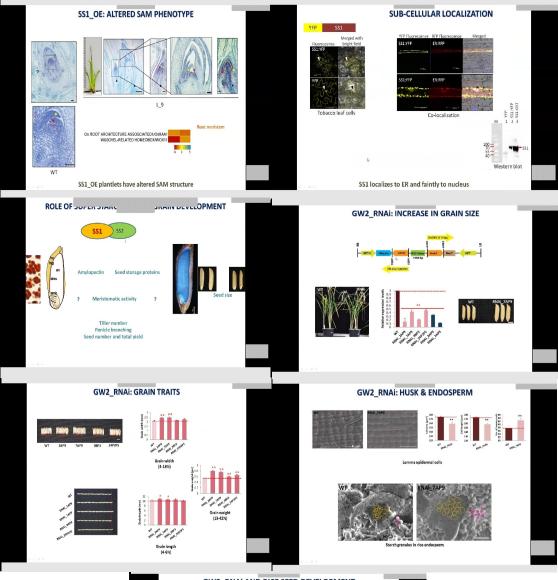
**Dr. Amarjeet Singh**, Scientist, NIPGR gracefully introduced the resource person with his warm words. The resource person, **Dr Pinky Agarwal**, Scientist IV, NIPGR, opened his lecture with the interesting facts of rice crop. She emphasized ongap between supply and demand of rice crop in terms of production level. She mentioned a research conducted to sequence genome of ricecrop (12 chromosome). 11<sup>th</sup> chromosome was sequenced in India with almost 50,000 genes. Rice crop is grown in almost 10 states of India with West Bengal as the largest producer. She introduced life cycle of rice crop followed by five stages of grain development. And,further categorized rice grains on the basis of their colour, stickiness and amount of starch. Her team studied the different genes responsible for quality of rice grains. She explained the importance of SS1 and GW2\_RNAi. At the end of her lecture, she acknowledged her team and their publications in relation to these genes. In total 45 participants, including faculty of science and students attended the event. **Dr. Amarjeet Singh**, Scientist, NIPGR attended the questions of the participants and gave vote of thanks. It was a quite exciting and brainstorming experience for everyone.











## GW2\_RNAI AND RICE SEED DEVELOPMENT

