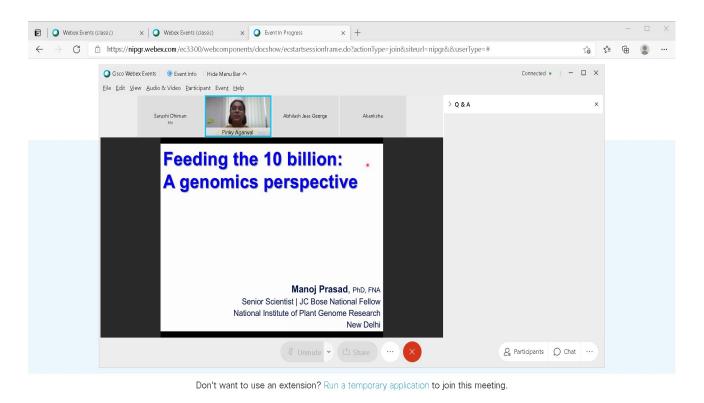
Science Setu Webinars by NIPGR FEEDING THE 10 BILLION: A GENOMICS PERSPECTIVE Press- Note

Date: 09-04-2021, Friday

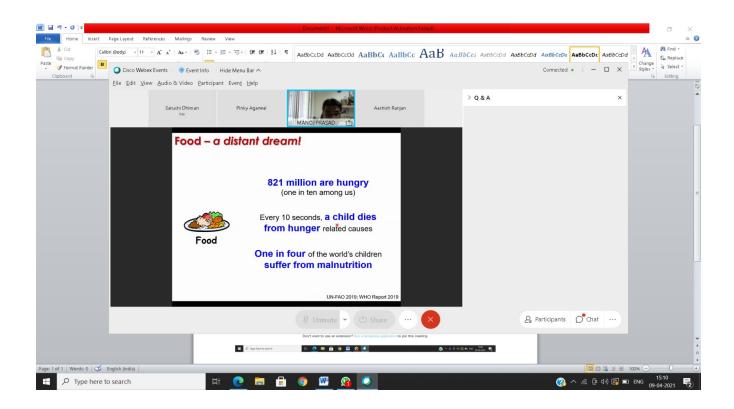
Resource person: Dr. Manoj Prasad, Scientist VII, NIPGR

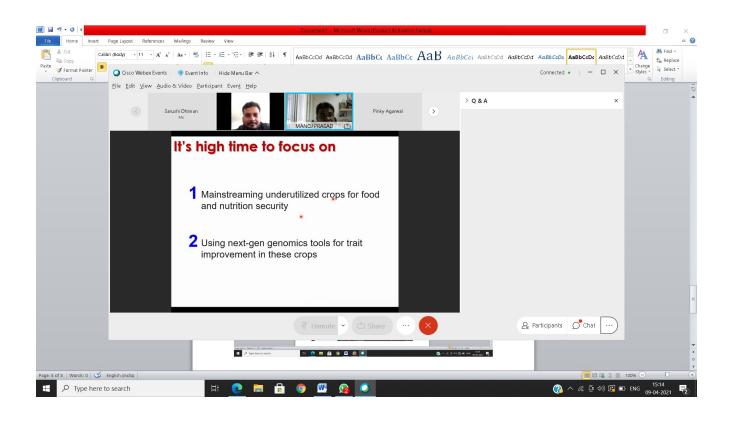
The Department of Biotechnology, Government of India, has planned "Science Setu" as a virtual platform to connect research Institutes with undergraduate students. Under this, our college has been assigned to National Institute of Plant Genome Research (NIPGR), New Delhi. NIPGR is an autonomous institution 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 and postgraduate level to get an exposure to high-level research.

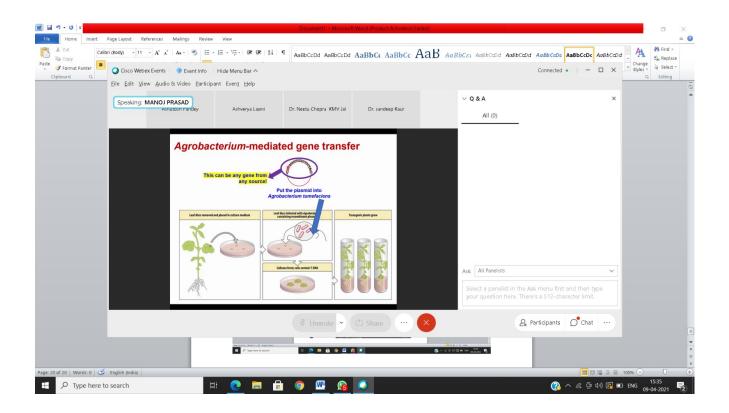
Dr. Pinky Aggarwal, Scientist, NIPGR gave welcome note on this event. **Resource person: Dr. Manoj Prasad, Scientist VII, NIPGR** started his lecture by enlightened our knowledge on importance of food and decreasing number of food crop species. He discussed about the gap between the population and the number of crop species available to feed the population.He told that it's high time to focus on mainstreaming underutilization crops for food and nutrition security and using next-gen genomics tools for trait improvement in these crops. He stressed on the genomic history and ecology of the geographic spread of millets. He focused on the molecular breeding and genetic manipulation as the two most potent technologies of crop improvement. He concluded his lecture discussing about functional and comparative genomics have provided the platform for gene discovery and their functional characterization. The key gene or genes regulating a molecular pathway are being genetically edited or engineered to developed phenotypically improved crop lines. He discussed about his research work on sHSP27 and its working. Faculty of Science and total 50 science students attended the event. Dr. Pinky Agarwal and Dr. Amarjeet Singh, Scientists, NIPGR attended the questions of the participants and gave vote of thanks. It was an intellectual and exciting experience for all the participants.

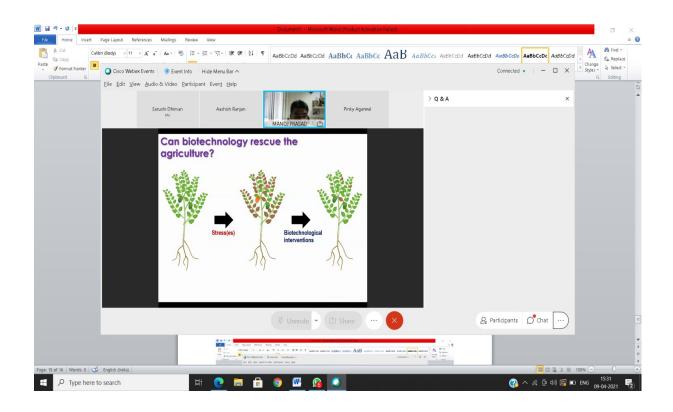


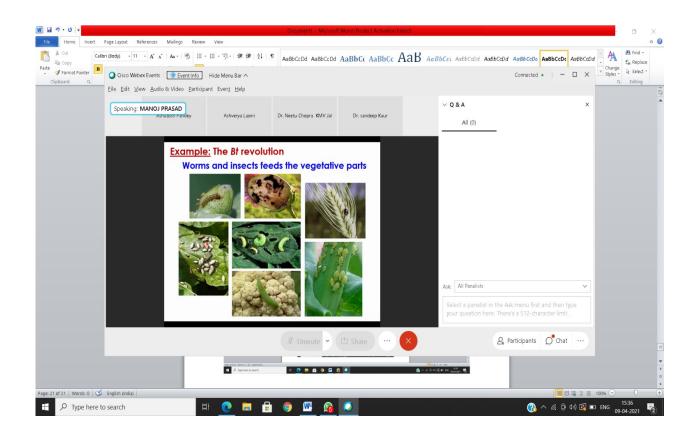
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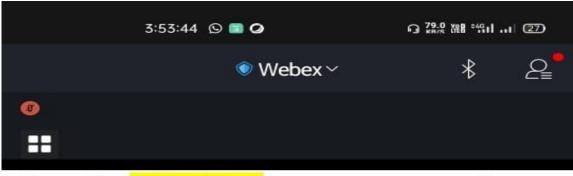








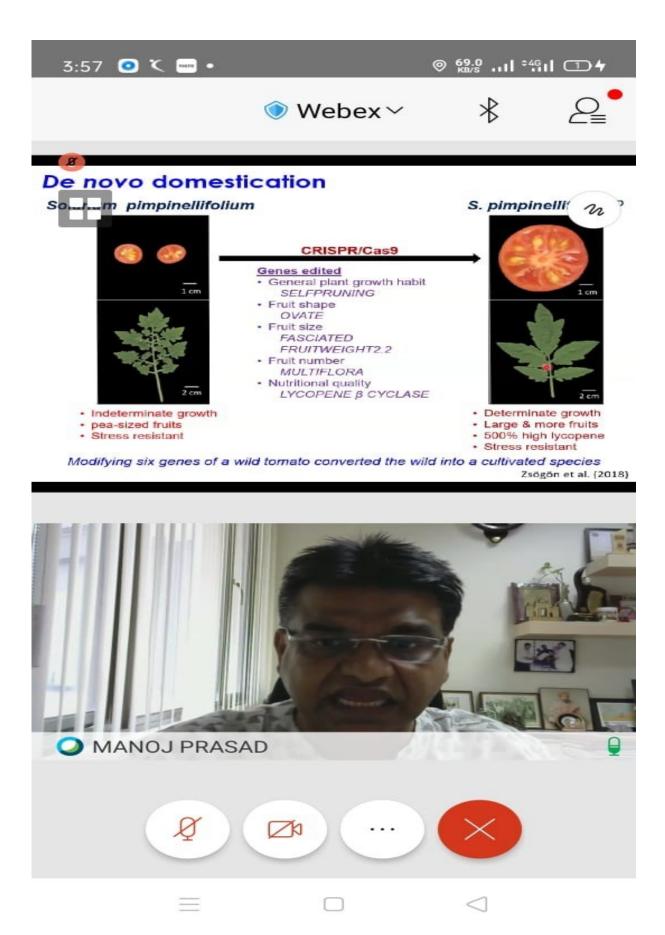


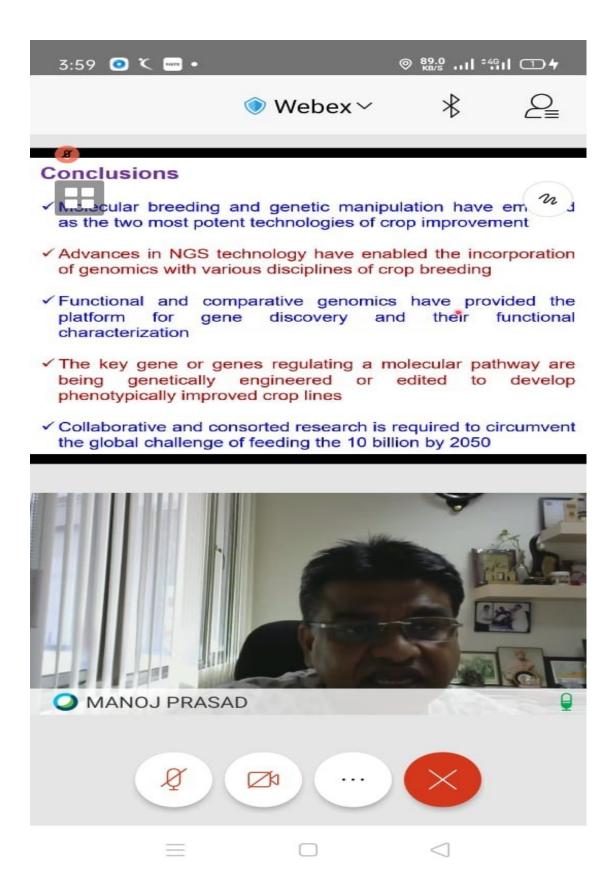


Use of CRISPR/Cas9 to prevent preharvest sprouting: a major issue with wheat









15:07 🖪 shop 🛁 🔹

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Chat with everyone

Mushtaq Ahmad Najar 14:59

Hii I am Mushtaq Ahmad Najar from division of plant biology Bose institute Kolkata

shagun

14:59

shagun student of kanya maha

vidyalaya jalandhar

Jannat Kainth 14:59

Hello Everyone I'm Jannat from KMV COLLEGE JALANDHAR

Urvashi 14:59

Urvashi

student at kanya maha vidyalaya

Jalandhar

Radhika 15:00

Radhika student of KMV college

jalandhar

Akanksha 15:01

Akanksha Student of Kanya Maha vidyalaya Jalandhar

gagandip kaur 15:03

15:57 🕒 🖬 🖪 🔹

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Chat with everyone

11 ue 111a a111...

Tanu sharma 15:55

Tanu sharma ,bsc biotechnology; Kanya Maha vidyalaya Jalandhar

Mushtaq Ahmad Najar 15:56

Thank you Mam, for your kind word.

poonam k 15:56

please share link for further details

Neha Parveen 15:56

Great learning experience!!! Thank you ma'am.

Michelle Arland 15:56

Thank you for your inspiring talk (got to know from your twitter account). I would like to know more about the ways to proceed with data from metabolomics and connect it with transcriptome data etc

15:56

Good to know about your summer internship programs. Hoping to have good collaboration in future.

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Enter message here.

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