SCIENCE SETU WEBINARS by NIPGR

NITRIC OXIDE: MULTIFACETED AND FACINATING SIGNALLING MOLECULE IN PLANTS

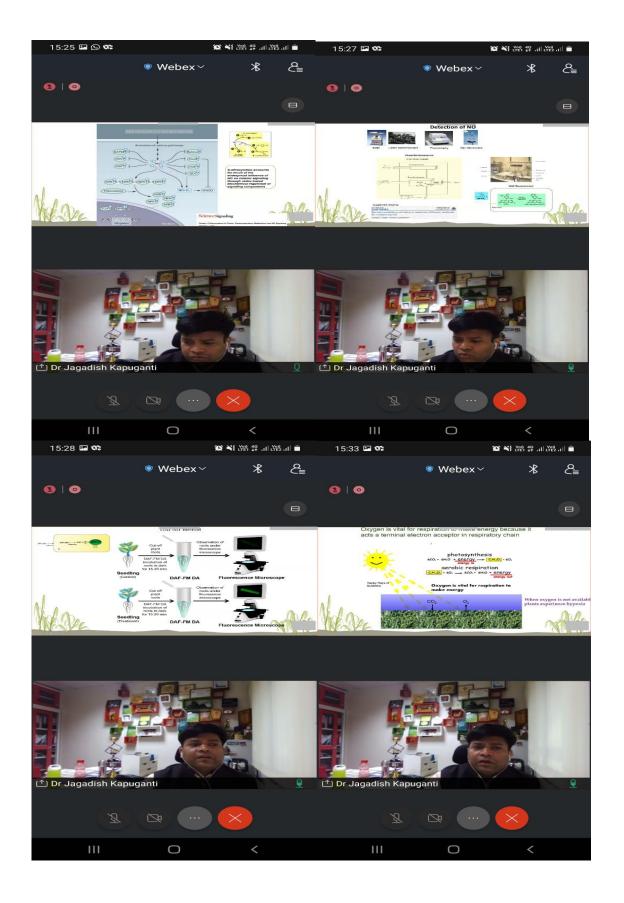
Press Note

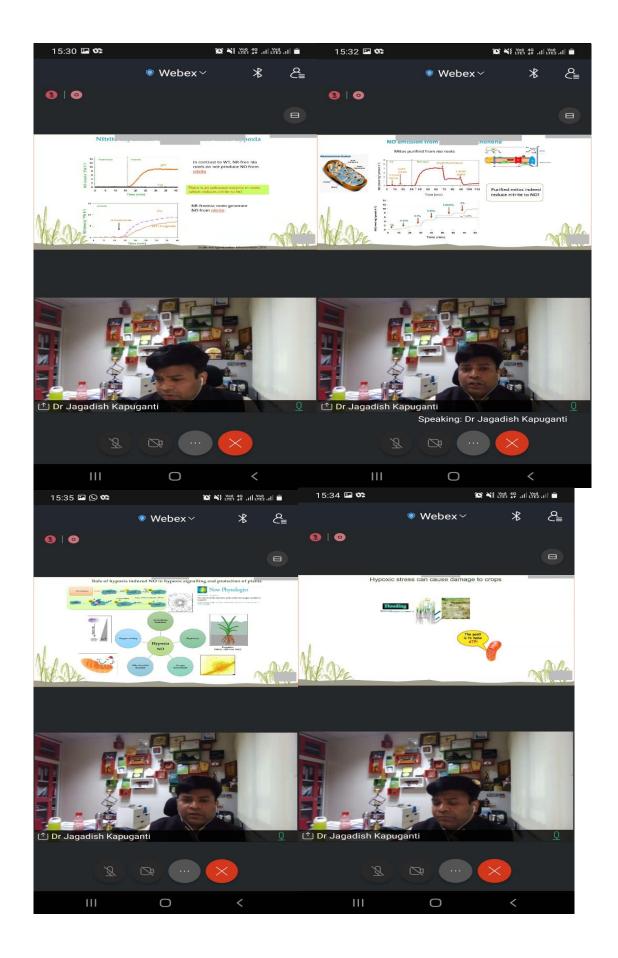
Date: 12th NOVEMBER, 2021, Friday

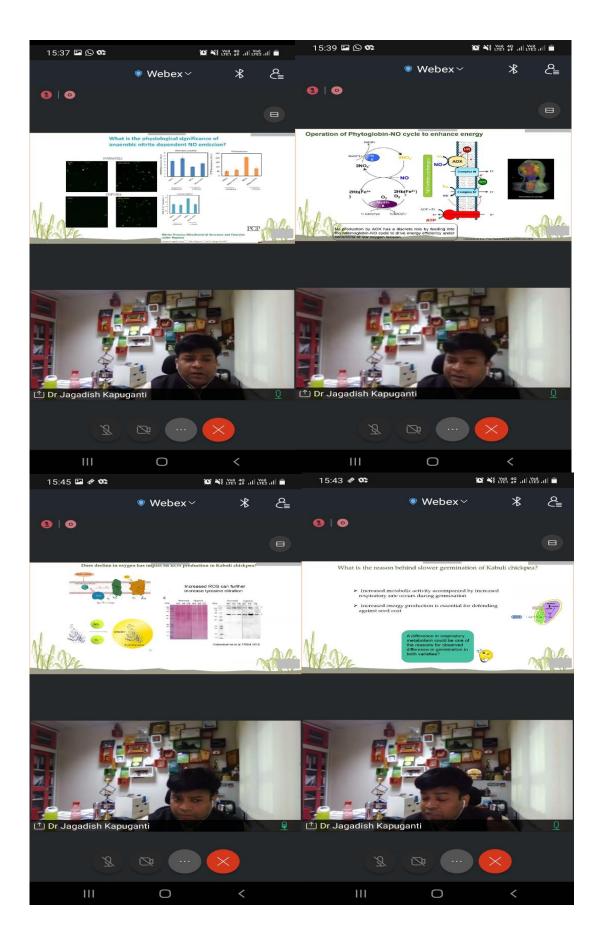
Resource person: Dr. Jagadis Gupta Kapuganti, Scientist V, NIPGR

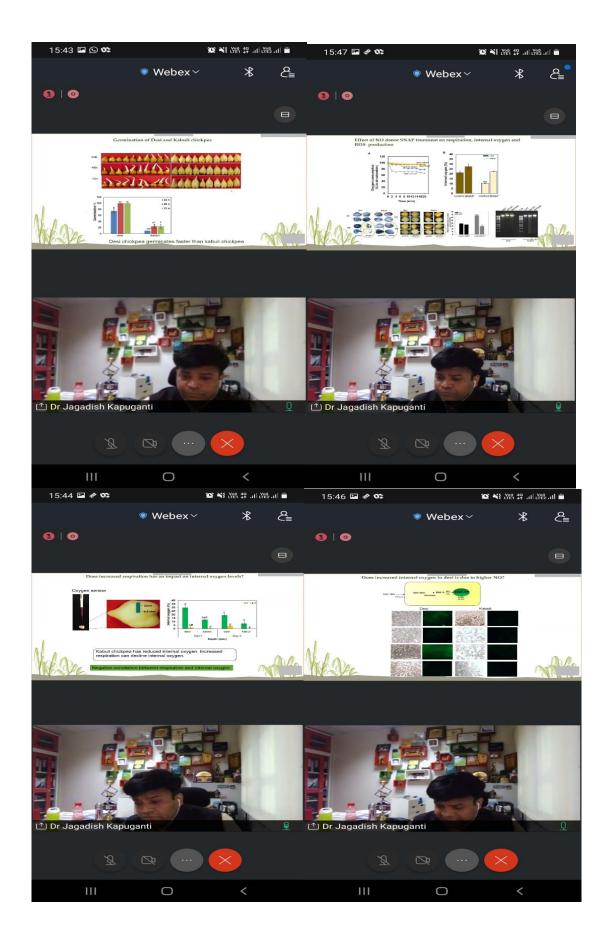
The Department of Biotechnology, Government of India, had planned "Science Setu Webinar" as a virtual platform to connect the Research Institutes with postgraduate and graduate students. Under this, our college has been assigned to National Institute of Plant Genome Research (NIPGR), New Delhi. NIPGR 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 factors on 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.

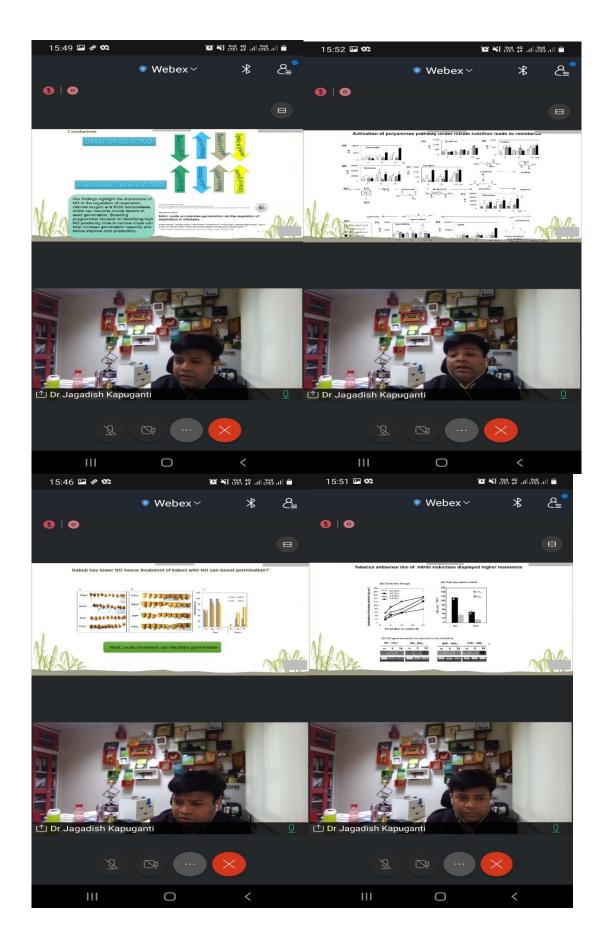
Dr. Amarjeet Singh, Scientist, NIPGR gracefully introduced the resource person with his warm words. The resource person, **DrJagadis Gupta Kapuganti**, Scientist V, NIPGR, opened his lecture with the introduction of nitric oxide (NO). In plants, NO reflects the net effect of NO generation To identify the amount of NO in plant analysis is done by various spectrophotometress. He also explained steps involved in DNA-MT method. He explained the effects of single stress, sequential stress, multiple single stress and combined stress on plants. He gave method of indirect detection of NO. He emphasized in the hypoxic stress due to the nitriaacid and their use in hypoxic signaling and protection of plants. He discuss the various consequences of physiological significance of anaerobic nitric dependent NO emission. He explained the reason behind slower germination of Desi and Kabuli chick pea. Activation of polyamine pathway under nitric nutrition leads to resistance. At the end of his lecture, he acknowledged his team and their publications in relation to the dry root rot disease. In total 53 participants, including faculty of science and students attended the event. Dr. Pinky Agarwal, Scientist, NIPGR attended the questions of the participants and gave vote of thanks. It was a quite exciting and brainstorming experience for everyone.

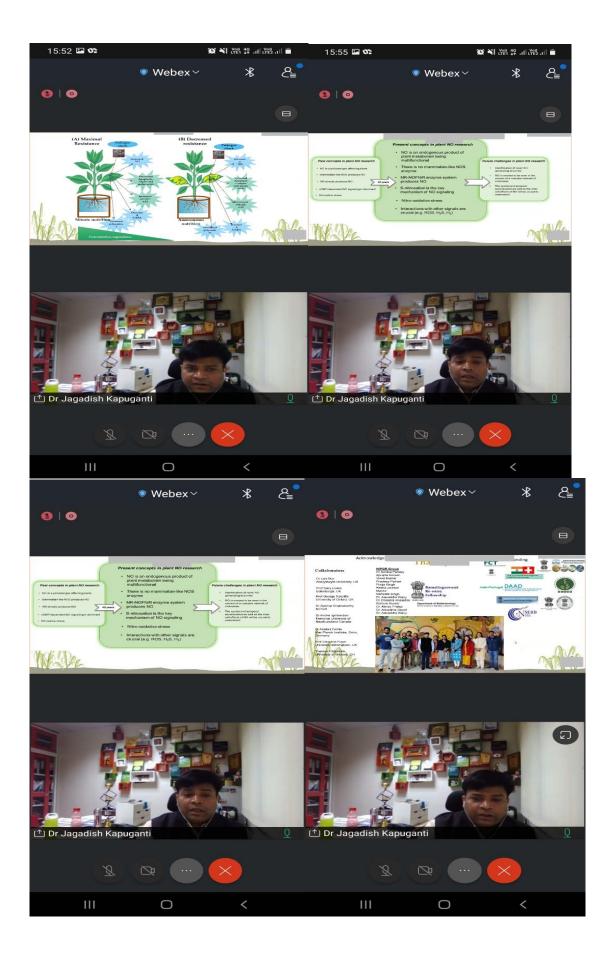












Attendance list

S.No.	Class	Roll No.	Name
1.	B.Sc. Med Sem-III	215315	Muskaan Kaur
2.	B.Sc. Med Sem-III	215309	Muskan Gill
3.	B.Sc. Med Sem-III	215318	Shreya
4.	B.Sc. Med Sem-III	215303	Priya
5.	B.Sc. Med Sem-III	215302	Anshika
6.	B.Sc. Med Sem-III	215310	Shruti
7.	B.Sc. Med Sem-III	215307	Shereen
8.	B.Sc. Med Sem-III	215306	Siya
9.	B.Sc. Med Sem-III	215314	Kamni
10.	B.Sc. Med Sem-III	215308	Neha
11.	B.Sc. Med Sem V	215401	Akrit Kaur Gill
12.	B.Sc. Med Sem V	215402	Simranjit Kaur
13.	B.Sc. Med Sem V	215403	Deela Davis
14.	B.Sc. Med Sem V	215404	Arshdeep Kaur
15.	B.Sc. Med Sem V	215405	Ritika
16.	B.Sc. Med Sem V	215407	Amandeep Kaur
17.	B.Sc. Med Sem V	215408	Meghna

18.	B.Sc. Med Sem V	215409	Samiksha
19.	B.Sc. Med Sem V	215410	Simarjit Kaur
20.	B.Sc. Med Sem V	215411	Priyanka
21.	B.Sc. Med Sem V	215414	Kritika Thakur
22.	B.Sc. Med Sem V	215416	PalakChandel
23.	B.Sc. Med Sem V	215417	ShefaliNaryal
24.	B.Sc. Med Sem V	215418	Palak
25.	B.Sc. Med Sem V	215419	KajalKumari
26.	B.Sc. Med Sem V	215438	DivyaBadhan
27.	M.Sc. Serm-I	2110004	Mala
28.	M.Sc. Serm-I	211001	Deepika
29.	M.Sc. Serm-I	2110002	Amita
30.	M.Sc. Serm-I	2110009	Mehak
31.	M.Sc. Serm-I	2110005	Shubhneet
32.	M.Sc. Serm-I	2110008	Saba
33.	M.Sc. Serm-I	2110007	Priyanka
34.	M.Sc. Serm-I	2110010	Shweta
35.	M.Sc. Serm-III	2110051	Urvashi
36.	M.Sc. Serm-III	2110052	Kajal