Science Setu Webinars by NIPGR VIRTUAL VISIT TO NIPGR, NEW DELHI Press- Note Date: 26-03-2021, Friday Resource person: Dr. Gitanjali Yadav, Scientist V, 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. Amarjeet Singh, Scientist III, NIPGR gave welcome note on this event. **Resource person: Dr. Gitanjali Yadav, Scientist V, NIPGR** started her lecture by encouraging the researchers to learn and manage data science. She discussed about the ability of plants to communicate with their environment and translate this information into active movement of their organs. She told that plants send chemical signals to communicate with their environment. She stressed on the isoprenoids which are the most diverse amongst plant chemicals. She focused on the collection of emission profiles, measuring the terpenomes, emission data analysis and building the dictionaries of these chemical compounds. She concluded her lecture discussing about not to cultivate invasive species as it is destroying livelihood in India. She explained the genomics of the various plants and discussed about the herbarium. She also told the students about the summer research fellowship and encouraged the undergraduate and postgraduate students to participate in such kind of program. Faculty of Science and total 50 science students attended the event. Dr. Pinky Agarwal, 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.



















 Chat with everyone Mushtaq Ahmad Najar 14:59 Hii I am Mushtaq Ahmad Najar from division of plant biology Bose institute Kolkata
Hii I am Mushtaq Ahmad Najar from division of plant biology Bose
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

15:10 🍱 Shop 🔀 🔹				
<	Chat with everyone Michelie Arland from Ben-Gurion University, Israel			
	Gitanjali Yadav 15:06			
	Great to see students	from so many locations!! THA	ANK	
	palak chandel 15:07			
	palak chandel			
	BSC medical sem 3			
	<u>207004</u>			
	Navgeet Gill 15:07			
	Good afternoon every	one,		
Enter	message here.			





15:57 (😧 🗟 🗐	
<	Chat with everyone	
TS Ta	nu sharma 15:55	
	Tanu sharma ,bsc biotechnology	
	Kanya Maha vidyalaya Jalandha	r
MN MI	ushtaq Ahmad Najar 15:56	_
	Thank you Mam, for your kind we	ord.
	onam k 15:56	
	please share link for further deta	ails
	eha Parveen 15:56	
	Great learning experience!!!	
	Thank you ma'am.	
Mi Mi	ichelle Arland 15:56	
	Thank you for your inspiring talk	(got
	to know from your twitter accou	nt).
	I would like to know more about	
	the ways to proceed with data fr	om
	metabolomics and connect it wi	th
	transcriptome data etc	
		15:56
Go	od to know about your summer	

internship programs. Hoping to have good collaboration in future.

15:57	7 🖸 🖬 🖪 🔹	🗎 🗐 🖓
<	Chat with everyone	
	Tanu sharma 15:55	
	Tanu sharma ,bsc biotechnology	
	Kanya Maha vidyalaya Jalandha	r
	Mushtaq Ahmad Najar 15:56	
	Thank you Mam, for your kind wo	ord.
	ooonam k 15:56	
	please share link for further deta	ils
	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 accou	nt).
	I would like to know more about	
	the ways to proceed with data fr	om
	metabolomics and connect it wit	th
	transcriptome data etc	
		15:56
G	ood to know about your summer	

internship programs. Hoping to have good collaboration in future.