

Outreach Activities (2020-21)

Biomedical Science	
S. No.	Activity
1	Dr Urmi Bajpai delivered a talk on 'Bacteriophages and Antimicrobial Resistance'. Weekend chat with researchers #2.2. A science outreach initiative by Aswin Lab at National Centre for Biological Science (NCBS), Bangalore on March 21, 2021.
2	Department organised four sessions on career counselling series in collaboration with Department of Botany and Zoology
3	Dr Sunita Jetly as convener of NSS organised Thalassemia Screening Camp during March, 2021.
4	Dr Sunita Jetly as convener of NSS organised Awareness on various Diseases - ASD, ADHD etc. in March, 2021
5	Dr Sunita Jetly as convener of NSS organised under joint aegis of NARCHI, NEEV and Maulana Azad Medical College a talk on Thalassemia by Dr Seema Kapoor and Dr Sangeet Gupta from MAMC Delhi in March, 2021.
6	Dr Gagan Dhawan as convener of ECO club organised Eco Week 'Paritran' wherein various activities like Quiz and Debate competition, Webinar, Chat show, Group discussion, Best out-of-waste and Photography competition were organised for colleges across the country with an aim of spreading awareness for sustainable development and environment protection from February 15-21, 2021.
7	Dr Sunita Jetly as convener of NSS organised Awareness on AIDS in January, 2021
8	Dr Sunita Jetly as convener of NSS organised Awareness on Vaccination in Villages in January, 2021.
9	Dr Rajesh Chaudhary contributed to distant learning by writing a unit on Dietary carbohydrates and health in B. Sc. (Honours) Biochemistry study material of Indira Gandhi National Open University, (IGNOU), 2020.
10	Dr Rajesh Chaudhary contributed to distant learning by writing a unit on Dietary fats and health in B.Sc. (H) Biochemistry study material of Indira Gandhi National Open University, (IGNOU), 2020.

11	Dr Rajesh Chaudhary contributed to distant learning by writing a unit on Dietary Proteins and health in B.Sc. (H) Biochemistry study material of Indira Gandhi National Open University, (IGNOU), 2020.
12	Dr Gagan Dhawan was organising partner as ECO club convener in one week e-Green Summit in association with Chemistree- Eco Club, DTU, New Delhi from November 08-13, 2020.
13	Dr Sunita Jetly delivered a talk on 'National Education Policy 2020 and Higher Education System In Compliance with UN75' organised by Confederation of Young leaders on November 02, 2020.
14	Dr Gagan Dhawan acted as Jury member at the Discovery Summit organised by Birla Vidya Niketan, Pushp Vihar-IV, New Delhi on October 28, 2020.
15	Dr Urmi Bajpai delivered talk on 'Combating Antimicrobial Resistance through Early career engagement in Bacteriophage Research' in a webinar series on World Phage Week, organised by Ibadan Bacteriophage Research Team (IBRT), University of Ibadan, Nigeria, under the Science Education Alliance-Phage Hunters Advancing Genomics and Evolutionary Science Program (SEA-PHAGES) on October 26, 2020.
16	Dr Rajesh Chowdhary's work on Butterfly of Corbett Tiger Reserve was broadcasted on ETv News on October 21, 2020 and published in Pahar Today on October 25, 2020.
17	Dr Sunita Jetly as convener of NSS organised Awareness on COVID appropriate behaviour in October, 2020.
18	Dr Sunita Jetly as convener of NSS organised Talk by various cancer survivors in October, 2020.
19	Dr Sunita Jetly as convener of NSS organised Talk on 'Your Kitchen is your health Tool' by Dr Sheenu Sanjeev in October, 2020.
20	Dr Sunita Jetly as convener of NSS organised Talk on 'Career opportunities in Air Force' by Wing commander Sneha Singh in October, 2020.
21	Dr Urmi Bajpai delivered a talk on 'How good viruses kill bad bacteria' in a series of online talks 'Let's Talk Science' organised by Joy of Learning Foundation, sponsored by NCSTC project of the Department of Science and technology on September 29, 2020.
22	Dr Sunita Jetly delivered a talk on 'Holistic Perspective for School Education in NEP

	2020' conducted for students and teachers of Rajkiya Balika Inter College Noida on September 29, 2020.
23	Dr Sunita Jetly delivered a talk on 'National Education Policy: Impact of NEP on Present and Future' of the Nation organised at ANDC on September 21, 2020 by Guidance and Counselling Cell of Vidyavati Mukund Lal girls Graduation College, Ghaziabad.
24	Dr Sunita Jetly delivered talk on 'Education Policy 2020: A pathway Towards Development of Skills' on September 20, 2020.
25	Virtual Workshop in association with Bombay Natural History Society (BNHS) on 'The Big Butterfly Month' was organised by Dr Gagan Dhawan with the aim to spread awareness about butterflies, to gather scientific information, which will further help in execution of butterfly conservation, and to initiate experts-public interactions on the subject on September 18, 2020.
26	Ozone Day- Digital Poster Competition organised by Dr Gagan Dhawan on September 16, 2020.
27	Dr Sunita Jetly as convenor of NSS organised a Session by Dharamshila Cancer foundation & Research Centre by founder of the institute - Clean Yamuna - Prevent Cancer in September, 2020.
28	Dr Sunita Jetly as convenor of NSS organised a Webinar by Dr Kersi Chavda, Consultant Psychiatrist on 'COVID: living well in spite of it!!' in September, 2020.
29	Dr Sunita Jetly as convenor of NSS organised an Online Awareness programme on International day for the preservation of Ozone Layer by Posters in September, 2020.
30	Dr. Sunita Jetly delivered talk on 'Endocrine Pancreas and Diabetes -An Overview' Bio-live episode -41 organised by Biologics Group on August 31, 2020.
31	Dr Sunita Jetly Spoke at 'Panel Discussion on New Education Policy 2020 -A Step towards Self-reliant' organised by Prerna Media NOIDA on August 16, 2020.
32	Dr Urmi Bajpai delivered talk on 'Igniting Passion for Science Early On: A narrative'. Science Popularization Talks-organised by CSIR-NEIST, Summer Research Training Program on August 06, 2020.
33	Dr Sunita Jetly as convenor of NSS organised Online Awareness programme on COVID 19 in August, 2020.

34	Dr Urmi Bajpai delivered talk on ‘Emerging role of bacteriophages and their enzymes in managing anti-microbial resistance’ Online Faculty Development Program on Research Advances in Plant and Microbial Biotechnology organised by Biotechnology Department, Jaypee Institute of Information Technology, Noida on July 13, 2020.
35	Dr Deepshikha delivered a webinar on the topic ‘Advanced techniques in the era of single cell biology’ at Department of Biochemistry, Institute of Home Economics, University of Delhi on May 01, 2020.
36	Dr Deepshikha delivered a webinar on the topic ‘Basics of flow cytometry’ at Department of Biochemistry, Institute of Home Economics, University of Delhi on April 27, 2020.
37	Dr Sunita Jetly was part of team member from University of Delhi for MOU signed between Institute of Eminence, University of Delhi and Deos Lab Pvt Ltd in the presence of Vice Chancellor, Prof. PC Joshi and other officers to develop futuristic diagnostic technology of ‘LAB ON CHIP’ (LoC) on April 07, 2020.

Botany	
S. No.	Activity
1	Dr Vineet Kumar Singh was Resource Person in GSDP (Green Skill Development Programme) course on Green Belt Development for Industries, launched by Ministry of Environment, Forest and Climate Change along with School of Planning and Architecture, ENVIS Resource partner on Human Settlements held from February 17 - March 31, 2020.
2	Dr Vineet Kumar Singh was Resource Person in 4th Plant Proteomics Workshop, Seabuckthorn Genomics, Proteomics and Metabolomics December 23-27, 2020 organised by Delhi University Botanical Society, University of Delhi.
3	Department organised four sessions on career counselling series in collaboration with Department of Biomedical Science and Zoology

Chemistry

S. No.	Activity
1	Organised a webinar ‘Guided virtual tour to the higher educational institutions for undergraduate students’ under the aegis of DBT STAR on February 19, 2021.

Zoology	
S. No.	Activity
1	Prof Sarita Kumar was Resource Person in Workshop on ‘Development of Audio-Video Resource on Experiments of Biology at Higher Secondary Stage’; DESM, NCERT; March 22-26, 2021.
2	Department organised four sessions on career counselling series in collaboration with Department of Biomedical Science and Botany
3	Prof Sarita Kumar was Resource Person in Workshop on ‘Development of Tactile Kit Manual in Science at Upper Primary Stage’ (PAC 6.06/2020-21)’ DESM, NCERT; February 15-19, 2021; February 22-26, 2021.
4	Prof Sarita Kumar was Resource Person in Workshop on ‘Development and finalization of Learning Outcomes based scripts under Road map of NCERT for upper primary stage’, DESM, NCERT; January 18-22, 2021.
5	Prof Sarita Kumar was Resource person in Workshop on ‘Finalisation of scripts based on Learning Outcomes at Secondary Stage’, DESM, NCERT; January 11-15, 2021.
6	Prof Sarita Kumar was the Expert in review of ‘Sample Formative and Summative Assessments for Class V & VIII’; Examination Reform Cell, NCERT; January 11-12, 2021.
7	Prof Sarita Kumar had Reviewed and vetted content of Biology videos for Secondary School students, for disseminating the e-Content through SWAYAM Prabha Channel, and DTH TV channel, CIET, NCERT; July 2020 -April, 2021.

8	Prof Sarita Kumar was Resource person in a workshop ‘Development and review of resources (infographics/presentation/poster) based on Learning Outcomes at upper primary level’ DESM, NCERT; December 22-23, 2020; December 29-31, 2020.
9	Prof Sarita Kumar was Resource person in a workshop to review the questions of the Online Course ‘Teaching of Science at Upper Primary Stage’ (PAC 6.11/2020-21), DESM, NCERT; December 01-04, 2020.
10	Prof Sarita Kumar was Resource person in the programme ‘Development of Audio/Video resources based on laboratory manual in Biology at Higher Secondary Stage (Class XII)’ DESM, NCERT; October 1, 2020; November 17, 2020; December 15-17, 2020.
11	Prof Sarita Kumar was Resource person to deliver a talk on ‘Different Trends in Malaria Research’, organised by Sri Venkateswara College, University of Delhi, July 11, 2020.
12	Prof Sarita Kumar was Resource person to deliver a talk on ‘□□□□□□ □□ □□□□□□□□□□□□- The Ecology of Locusts’ organised by Vindhyan Ecology and Natural History Foundation; May 30, 2020.
13	<p>Following school students were trained under Prof Sarita Kumar in the listed projects:</p> <ul style="list-style-type: none"> ● Ms Saiesha Gupta- An overview of factors affecting dengue transmission in Asian region and its predictive models ● Ms Addea Gupta- Physiological and reproductive fitness cost in <i>Aedes aegypti</i> on exposure to toxic xenobiotics in New Delhi, India ● Ms Aadhya Sivakumar- Reduced physiological and reproductive fitness induced by <i>Nerium oleander</i> leaf extracts in the cotton bollworm, <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae) ● Ms Riddhi Jhunjhunwala- Biochemical response as biomarkers of toxic effects of <i>Artemisia annua</i> L. in the midgut of <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae) ● Ms Deepanshi- Effects of <i>Lantana camara</i> weed extract on the survival and midgut histoarchitecture of <i>Aedes aegypti</i> L.

Educational Trips/Industrial Visit/Excursions

1	IGIB Virtual Tour on April 17, 2021: This virtual tour gave an opportunity to the UG students to visit zebra fish culture facility, LCMS and TEM facility of
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	the centre.
2	Virtual Science Setu Programme on Viruses and Immunity for UG students by eminent scientists from THISTI on March 17, 2021.
3	Virtual tour of Aravalli Biodiversity Park on February 10, 2021: This year we got an opportunity to virtually visit the Park and understand the great features it holds. The Park also provides for a great open-air laboratory for students and researchers. Biodiversity parks like this are ideal platforms for promoting conservation education. Especially in times of covid crisis, the virtual tours proved so efficient and helpful in understanding the entire system without having put ourselves at any risk.