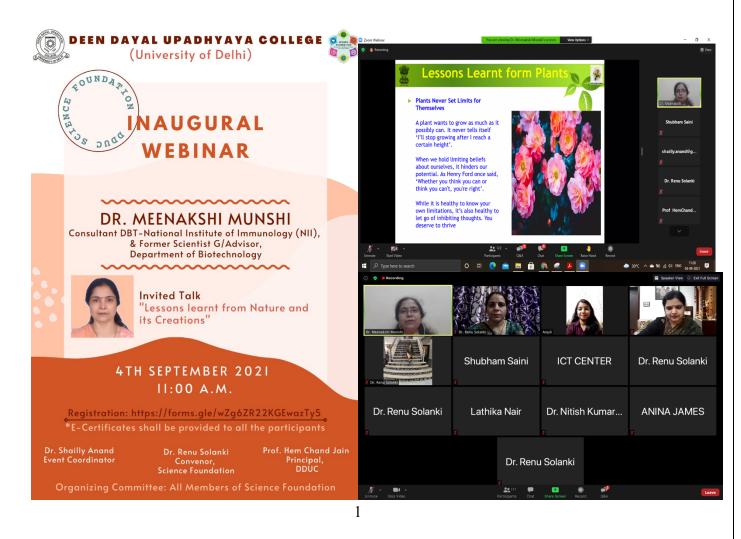


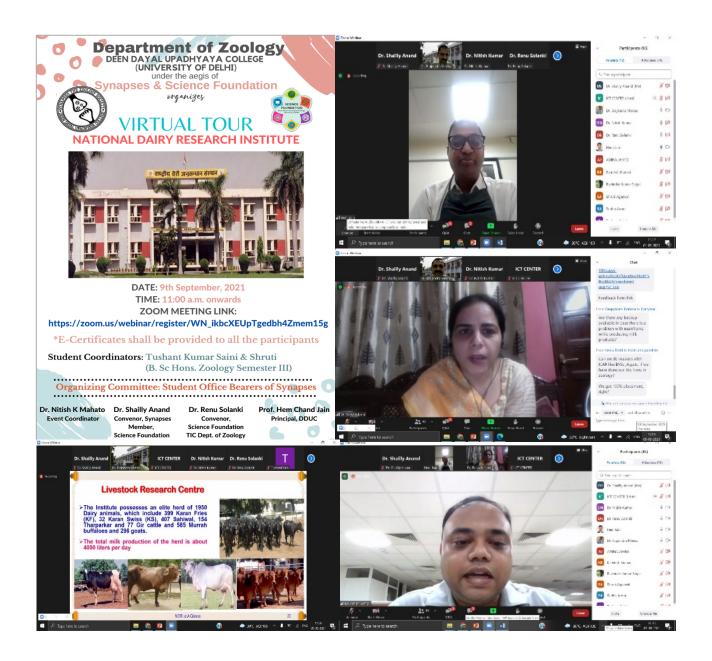
Deen Dayal Upadhyaya College (University of Delhi) Science Foundation (July, 2021-December, 2021)



 Science Foundation, Deen Dayal Upadhyaya College, University of Delhi, organized its Inaugural Webinar on "Lessons learnt from Nature and its Creations" on September 4, 2021.
 The speaker of the session was DR. MEENAKSHI MUNSHI, Consultant DBT-National Institute of Immunology (NII), & Former Scientist G/Advisor, Department of Biotechnology.
 No. of Beneficiaries: 113



A Virtual Educational Visit/ Tour of ICAR-National Dairy Research Institute (NDRI), Karnal, Haryana was organized under the aegis of Science Foundation & Synapses on 9<sup>th</sup> Sep, 2021. The Speaker Dr. Brajendra Singh Meena was Principal Scientist in the division of Dairy Extension, ICAR- National Dairy Research Institute, Karnal, Haryana. No. of Beneficiaries: 62



MICROSPHERE 2021: An International Outreach Program was organized to celebrate the International Microorganism Day on 17<sup>th</sup> September, 2021 under the aegis of Science Foundation, Synapses & INSCR and in collaboration with IIT Roorkee, Acharya Narendra Dev College, Gargi College, Kirori Mal College, Maitreyi College, Ramjas College, Sri Venkateswara College, Magadh University, Allahabad University and our Industry associate - PhiXgen Pvt. Ltd.



## Theme: Microbial Literacy Initiative Session II: "Microbiome: The Garden Within You"

Prof. Rup Lal, NASI Senior Scientist Platinum Jubilee Fellow, The Energy and Resources Institute (TERI), New Delhi, INDIA

Theme: History of Microbes Session III: "The Rise of the Microbes"

Dr. Renu Solankí, Assístant Professor, Department of Zoology, Deen Dayal Upadhyaya College (Uníversíty of Delhí), Delhí, INDIA

Theme: Sustainable Housing Session IV: "Microbes & Sustainable Housing"

Dr. P. C. Ashwin Kumar, Associate Dean – Infrastructure, Indian Institute of Technology Roorkee, Roorkee INDIA

Theme: Entrepreneurship in Microbiology

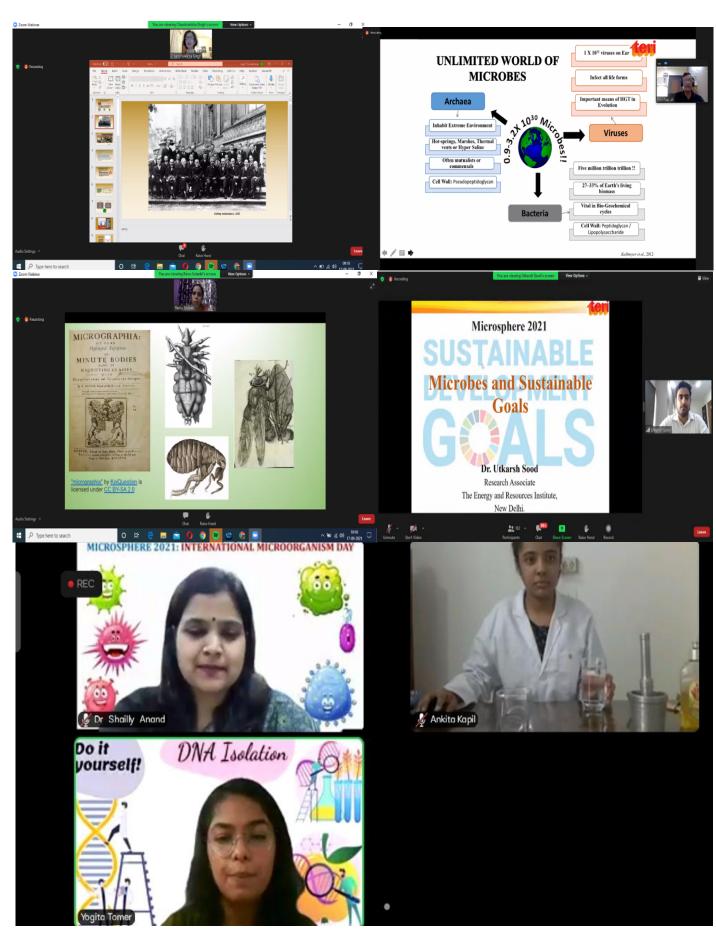
Session V: "Technology Entrepreneurship"

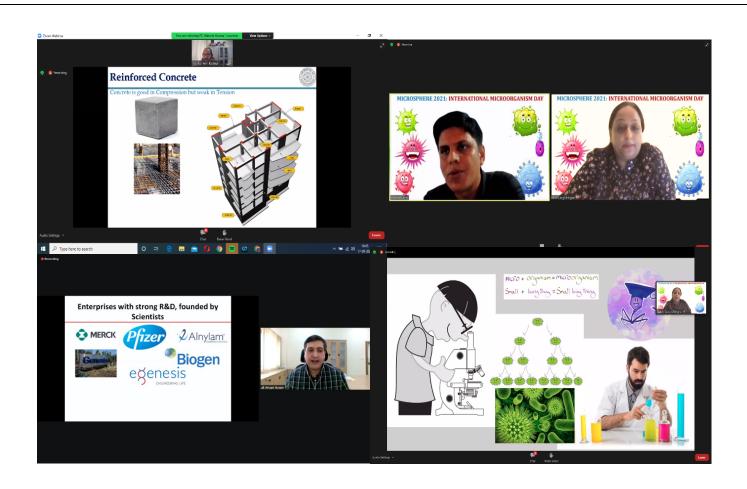
Dr. Amjad Husaín, CEO, Innovation and Incubation Centre for Entrepreneurship (IICE), Indian Institute of Science Education and Research (IISER), Bhopal, INDIA

Theme: Sustainable Development Goals Session V1: "Microbes & Global Goals" Dr. Utkarsh Sood, PhiXgen Pvt. Ltd., Gurugram, INDIA

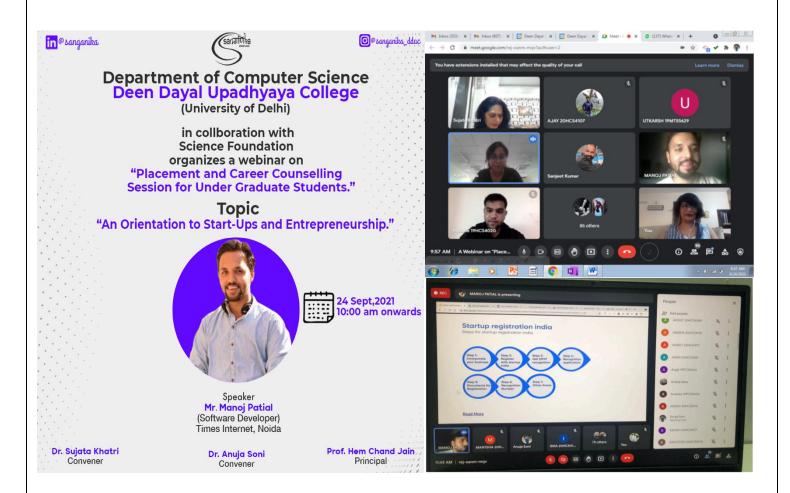
Theme: Career Options Session VII: "Microbiology as a Career Prospect" Dr. Gauri Garg Dhingra, Department of Zoology, Kirori Mal College (University of Delhi), Delhi, INDIA Dr. Roshan Kumar, PG Department of Zoology, Magadh University, Bodhgaya, INDIA Theme: Hands-On/Do It Yourself

*Session VIII: "DNA from your kitchen" (A hands-on experience)* Dr. Shailly Anand, Department of Zoology, Deen Dayal Upadhyaya College (University of Delhi), Delhi, INDIA





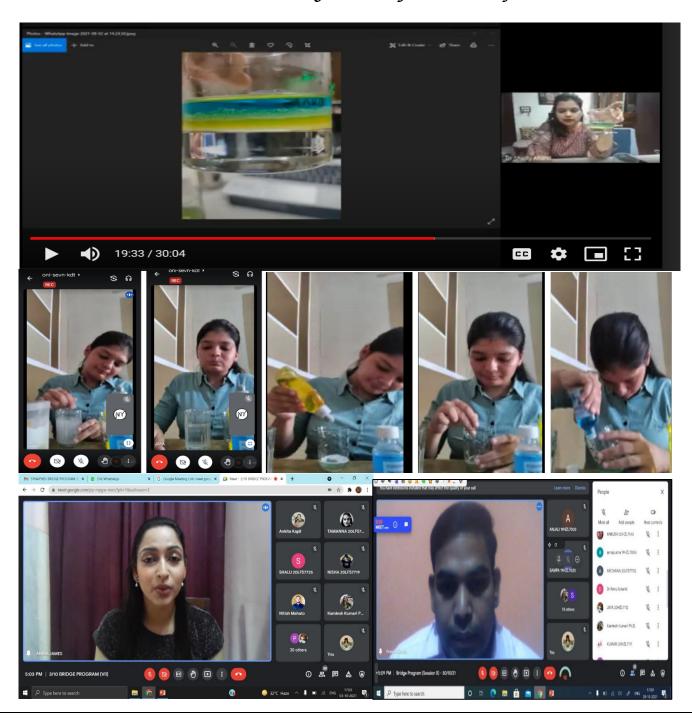
An exclusive webinar session for the students of Deen Dayal Upadhayaya College was organised by the subject society of Department of Computer Science , Sanganika in collaboration with Science Foundation on the topic "Placement and Career Counselling session for undergraduate students and An Orientation to startup and Entrepreneurship" scheduled on 24th September, 2021 in it's endeavors to empower students to expand their horizons for different career options and also to encourage the entrepreneurship mindset among them. The session was presided over by Mr Manoj Patial, Software developer, Times Internet, Noida who is an alumni of DDUC itself.

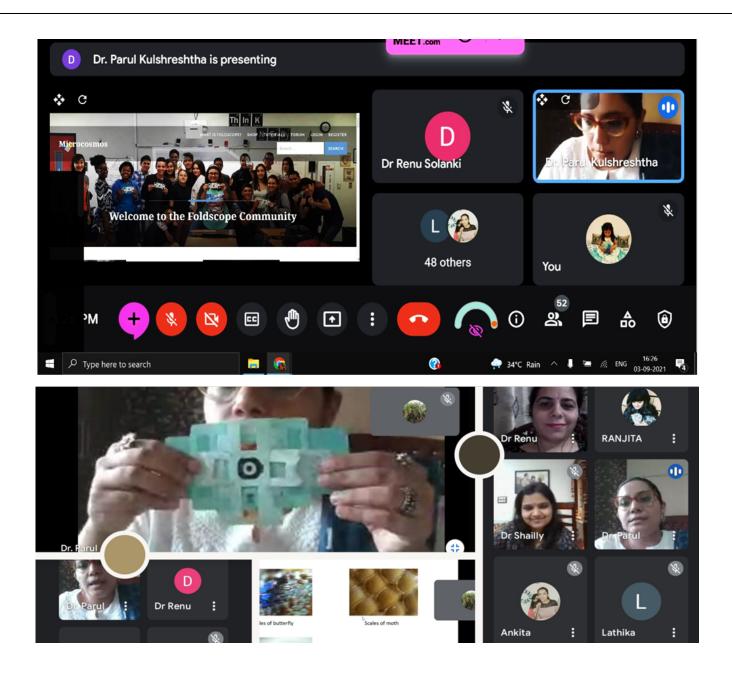


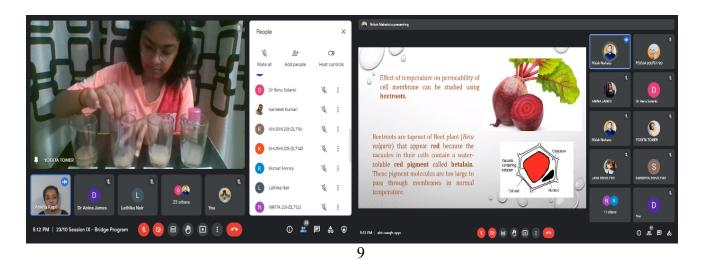
A Bridge Program (Bringing Science Home) – An Experiential Learning Program organized under the aegis of Science Foundation and Synapses from 2<sup>nd</sup> August to 30<sup>th</sup> October, 2021 with nearly 250 UG students. This program was initiated with an objective to connect students with experiments in this online mode by simple household things as the students are unable to attend their regular lab classes because of Covid-19 pandemic. This program also provided the students an opportunity to plan and execute the practicals of their interests.

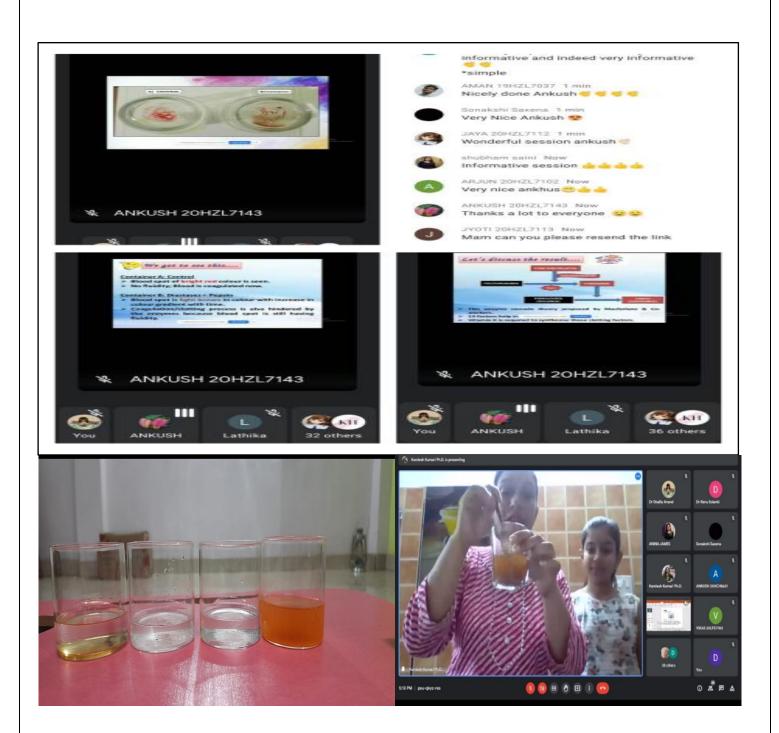
(i) 2<sup>nd</sup> August 2021 (Session I): "Isolation of DNA from Plant Sources"
(ii) 13<sup>th</sup> August 2021 (Session II): "Antibiotic Sensitivity & Resistance"
(iii) 28<sup>th</sup> August 2021 (Session III): "Lets See Our Own DNA"

- (iv) 3<sup>rd</sup> September 2021 (Session IV): "Foldscope: Your Pocket Microscope"
- (v) 11<sup>th</sup> September 2021 (Session V): "Food Adulteration: Check Your Food"
- (ví) 25<sup>th</sup> September 2021 (Session VI): "Does temperature affect permeability of cell membrane?"
- (víí) 3<sup>rd</sup> October 2021 (Session VII): "Your Saliva in Action"
- (vííí) 9 October 2021 (Session VIII): "Action of Enzymes on Blood"
- (íx) 23 October 2021 (Session IX): "Does Temperature affect fermentation in yeast?"
- (x) 30 October 2021 (Session X): Calculating Air Quality Index (AQI) of an Urban Location"



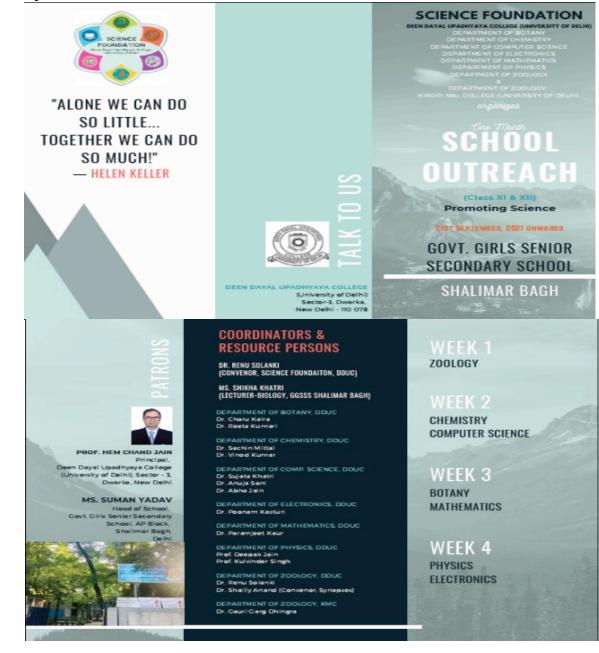






One month online outreach program was organized with Government Girls Senior
 Secondary School, AP Block, Shalimar Bagh, Delhi by Science Foundation of Deen Dayal
 Upadhyaya College in association with Department of Botany, Chemistry, Computer Science,

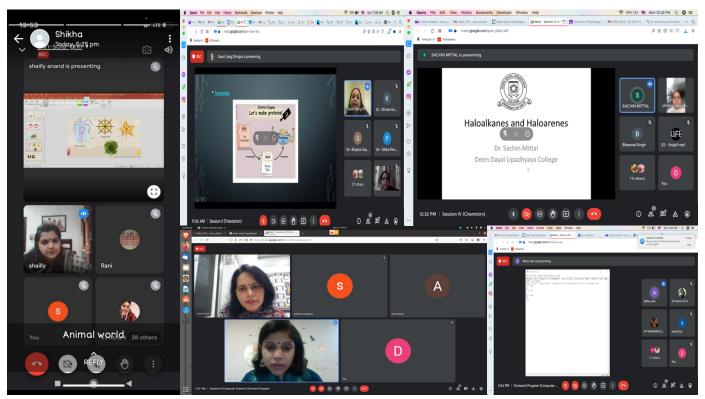
Electronics, Mathematics, Physics and Zoology of Deen Dayal Upadhyaya College, University of Delhi and Department of Zoology of Kirori Mal College, University of Delhi from 21<sup>st</sup> Sep, 2021 to 20<sup>th</sup> October, 2021 for students of Class XI and Class XII. The objective of the outreach Program was to promote Science among the Students. A total of 25 sessions were taken by the faculty members of Science Departments based on the topics of their syllabus. No. of Beneficiaries: 72



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Session No	Date	Subject	Торіс	Class	Coordínators &
Session 1	21 <sup>st</sup> Sep, 2021	Bíology	Anímal Kíngdom – Part I	XI	Resource Person(s) Dr. Shailly Anand Assistant Professor, DDUC
Sessíon 2	26 <sup>th</sup> Sep, 2021	Bíology	Translation	X11	Dr. Gaurí Garg Dhíngra Assocíate Professor, KMC
Session 3	27 <sup>th</sup> Sep, 2021	Computer Scíence	An insight into Microsoft Word: Mail-merge	X1	Dr. Sujata Khatrí Assocíate Professor, DDUC Dr. Abha Jaín
Sessíon 4	27 <sup>th</sup> Sep, 2021	Chemístry	Classification, Nomenclature and Methods of preparation of Haloalkanes and Haloarenes		Dr. Sachin Mittal Associate Professor, DDUC
Session 5	29 <sup>th</sup> Sep, 2021	Chemístry	Optícal ísomerísm ín organíc compounds	XII	Dr. Sachín Míttal Assocíate Professor, DDUC
Session 6	1 <sup>st</sup> Oct, 2021	Chemístry	Chemístry of Group 15 elements	XII	Dr. Vínod Kumar Assocíate Professor, DDUC
Session 7	2 <sup>nd</sup> Oct, 2021	Chemistry	Physical and Chemical Properties of Haloalkanes and Haloarenes	XII	Dr. Sachín Míttal Assocíate Professor, DDUC
Session 8	3 <sup>rd</sup> Oct, 2021	Bíology	Anímal Kíngdom – Part II	XI	Dr. Shailly Anand Assistant Professor, DDUC
Session 9	3 <sup>rd</sup> Oct, 2021	Computer Scíence	Python	XII	Dr. Abha Jain Assistant Professor, DDUC

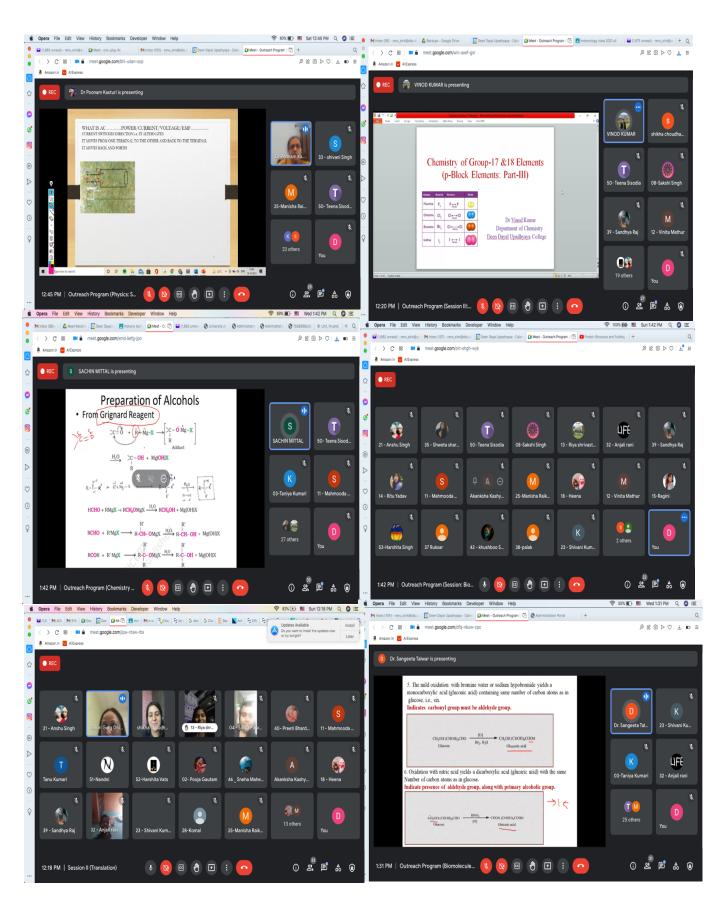
Session 10	4 <sup>th</sup> Oct, 2021	Chemístry	Chemistry of Group 16 elements	XII	Dr. Vínod Kumar Assocíate Professor, DDUC
Session 11	5 <sup>th</sup> Oct, 2021	Computer Scíence	An insight into Microsoft Excel: Formulas, Functions, Conditional Formatting, Filters and Charts	XI	Dr. Anuja Soní Assocíate Professor, DDUC
Session 12	6 <sup>th</sup> Oct, 2021	Chemístry	Classification, Nomenclature and Methods of preparation of Alcohols and Phenols	X11	Dr. Sachín Míttal Assocíate Professor, DDUC
Sessíon 13	6 <sup>th</sup> Oct, 2021	Bíology	Respíration in Plants	XI	Dr. Charu Kalra Assistant Professor, DDUC Dr. Shikha Prasad Assistant Professor, DDUC
Session 14	7 <sup>th</sup> Oct, 2021	Bíology	Photosynthesis in Plants	XI	Dr. Reeta Kumarí Assístant Professor, DDUC
Session 15	8 <sup>th</sup> Oct, 2021	Chemistry	Chemístry of Halogens and Noble Gases (Group – 17 and 18 elements)	XII	Dr. Vínod Kumar Assocíate Professor, DDUC
Session 16	9 <sup>th</sup> Oct, 2021	Віоюду	Anímal Kíngdom – Part III	XI	Dr. Shailly Anand Assistant Professor, DDUC
Session 17	9 <sup>th</sup> Oct, 2021	Chemistry	Physical and Chemical Properties of Alcohols and Phenols	XII	Dr. Sachín Míttal Assocíate Professor, DDUC
Session 18	10 <sup>th</sup> Oct, 2021	Chemistry	Bíomolecules: Nucleic acids	XII	Dr. Gaurí Garg Dhíngra Assocíate Professor, KMC

Sessíon 19	10 <sup>th</sup> Oct, 2021	Bíology	Photosynthesis in plants	XI	Dr. Dolly Kaín
			Part II		Assístant Professor,
					DDUC
Session 20	11 <sup>th</sup> Oct, 2021	Physics	Moving Charges and	XII	Prof. Deepak Jain
			Magnetísm Part I		Professor, DDUC
Session 21	12 <sup>th</sup> Oct, 2021	Physics	Moving Charges and	XII	Prof. Deepak Jain
			Magnetism Part II		Professor, DDUC
Session 22	13 <sup>th</sup> Oct, 2021	Chemístry	Bíomolecules: Carbohydrates	XII	Dr. Sangeeta Talwar
			Part I		Associate Professor,
					DDUC
Session 23	16 <sup>th</sup> Oct, 2021	Physics	Alternatíng Current	XII	Dr. Poonam Kasturí
					Assocíate Professor,
					DDUC
Session 24	17 <sup>th</sup> Oct, 2021	Chemístry	Biomolecules: Amino acids	XII	Dr. Renu Solankí
			and Proteins, Vitamins		Assístant Professor,
					DDUC
Session 25	17 <sup>th</sup> Oct, 2021	Chemístry	Bíomolecules: Carbohydrates	XII	Dr. Sangeeta Talwar
			Part II		Associate Professor,
					DDUC





Science Foundation 2021-2022



Science Foundation and Synapses (Department of Zoology), Deen Dayal Upadhyaya College organized 6<sup>th</sup> Annual International e-Conference of Indian Network for Soil Contamination Research in association with Department of Zoology (DU), Acharya Narendra Dev College (DU), Gargi College (DU), Kirori Mal College (DU), PG Department of Zoology (MU), Maitreyi College (DU), Ramjas College (DU), Sri Venkateswara College (DU), Sri Guru Tegh Bahadur Khalsa College (DU), C.M.P. College (AU), PhiXgen Pvt. Ltd., Gurugram, College of Commerce, Arts & Science, Patna on "MICROBES IN SUSTAINABLE DEVELOPMENT" from 15<sup>th</sup> to 18<sup>th</sup> November, 2021. Total No. of Beneficiaries: 505



## Day 1: 15 November, 2021

Inauguration

IST (hrs)	Event [ROOM A]
$1700 - 1715 \\ 1715 - 1725 \\ 1725 - 1735 \\ 1735 - 1745 \\ 1745 - 1750$	Welcome Address by the President: Rup Lal Introduction to INSCR: A. K. Dikshit DU VC Address/Dean Colleges Introduction to Participating Institutions Abstract Book Release
1750 - 1830	Inaugural Lecture 1 Chair: Kenneth Timmis and Rup Lal Mitch Schulte (Program Scientist, NASA Headquarters, Washington, DC) <i>"The Mars 2020 mission and NASA's search for ancient life"</i>
1830 - 1900	Cultural Music Event

1900 - 1910	The Painting Video
1910-1950	Inaugural Lecture 2 Jack Gilbert (University of California, San Diego, USA) " <i>The human microbiome in precision medicine</i> "
1950-2000	Concluding Remarks of Day 1: Gauri Garg Dhingra (Kirori Mal College, DU)

	Day 2: 16 November,	2021 (Tuesday)	
IST (hrs)	Event		
0900- 0940	Inaugural Lecture 3 Chair: Sanjay Kumar and Rup Lal Edward F. deLong (Professor, University of Hawaii, Honolulu, United States) <i>"Towards Four Dimensional Microbial Systems Biology in the Sea"</i>		
	Session 1 (0945-1545) [ROOM A]	Session 2 (0945-1545) [ROOM B]	
	Microbial Ecology	Microbes in Sustainable	
	Chair: Pratyoosh Shukla Co-Chair: Nirjara Singhvi, Mansi Verma,	Agriculture	
	Roshan Kumar	Chair: Praveen Rishi Co-Chair: Jaspreet Kaur, Ankita Dua, Anjali Saxena	
0945- 1015	Keynote Lecture Louis-Marie Bobay (Assistant Professor, University of North Carolina) " <i>Biological species concept</i> <i>in Bacteria</i> "	Keynote Lecture Appa Rao Podile (Vice Chancellor, University of Hyderabad) "Microbiome-based approaches for sustainable development"	
1020- 1040	Vivekanand (Assistant Professor, Malaviya National Institute of Technology, Jaipur) <i>"Biogas and microbial communities"</i>	Sunil Pabbi (Head, Division of Microbiology, ICAR - IARI) <i>"Cyanobacterial Biofertilizer For</i> <i>Sustainability of Rice Based Cropping"</i>	
1045- 1105	Gunjan Pandey (Research Scientist, CSIRO, Australia) <i>"Biochemistry and genetics of pinoresinol mineralization in bacteria"</i>	Venkata Ramana (Professor, University of Hyderabad) <i>"Exploring the unexplored bacterial phyla</i> <i>members of India"</i>	
1110- 1130	Natesan Manickam (Chief Scientist, CSIR-Indian Institute of Toxicology Research) <i>"Occurrence of Microplastics/ plastics in</i> <i>the marine and terrestrial Environment:</i>	Nataraja Karaba (Professor, University of Agricultural Sciences, Bangalore) "Manipulation of specific traits linked to abiotic stress tolerance in crop plants using endophytes"	

	Assessing diverse plastisphere bacterial communities and microbiome"	
<mark>1130-</mark> 1145	Tea Break	
1150- 1220	Keynote Lecture Anushree Malik (Institute Chair Professor, CRDT, IIT Delhi) "Microbial consortia mediated environmental remediation for textile sector"	Om Prakash (Scientist, NCMR-NCCS) "The Archaea lead in the Ecology of Landfill- Leachate of Pune Municipal Site"
1225- 1245	S. Dayananda (Professor, University of Hyderabad) ""	Kapudeep Karmakar (Assistant Professor, Uttar Banga Krishi Vishwavidyalaya, Koch Bihar) <i>"Contamination of food-chain by</i> <i>human pathogens dwelling in</i> <i>rhizosphere: Life cycle and remedies"</i>

1250- 1310	MKR Mudiam (Senior Principal Scientist, CSIR-Indian Institute of Chemical Technology) "Analytical strategies to understand occurrence, fate and transport of emerging"	Praveen Rishi (Professor, Panjab University) <i>"Bi-directional Elucidation of Probiotic</i> <i>Intervention for Neurological Manifestations</i> <i>at Gut Brain Axis"</i>
1315- 1400		
1400- 1430	Keynote Lecture Mrutyunjay Suar (Professor & Director General R&D, Kalinga Institute of Industrial Technology) <i>"Building Technology Enabling</i> <i>Ecosystem: Ideation to Enterprise"</i>	Keynote Lecture V. C. Kalia (NRF Fellow, Konkuk University, South Korea) <i>"Emerging Signal Molecules for Soil Enrichment</i> and Plant Growth Promotion"
1435- 1455	Pratyoosh Shukla (Professor, Banaras Hindu University) " <i>Exploring novel avenues in microbial</i> <i>bioremediation: role of computational</i> <i>tools</i> "	Sivakumar Uthandi (Professor, Tamil Nadu Agricultural University, Coimbatore) "Microbial volatile organic compounds (mVOC) for plant health"
1500- 1520	Datta Madamwar (Professor, Charusat) "Deciphering and understanding the microbial synergy towards poly- aromatic hydrocarbon pollution: A metagenomic approach"	Ajay Kumar (Associate Professor, Jacob Institute of Biotechnology and Bioengineering, SHUATS) " <i>Plant growth promoting microbes: A tool for</i> <i>healthy agriculture</i> "

1525- 1545	Nageswar Amanchi (Assistant Professor, Department of Zoology, Nizam College) "Alternative tools and tags in Pesticide Toxicology Research - A case study of Ciliates"	Virginia Filipello (PostDoc Fellow, Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna, Italy) "Blue strikes again: Re-emergence of Chromogenic Pseudomonas fluorescens in Dairy Products, Rapid Identification and Strain Characterization in the Dairy Plant"
1550- 1630	Plenary Lecture [ROOM A] Chair: Rup Lal Co-Chair: Roshan Kumar Andreas Bechthold (Professor, University of <i>"Tailoring enzymes involved in natural pro</i>	.,
1630- 1645	Tea Break	
	Session 3 (1650-1920) [ROOM A] <b>Women in Science</b> Chair: Anju Srivastava (Professor, DU), Sukanya Lal Co-Chair: Seema Makhija, Jasvinder Kaur	Session 4 (1650-1920) [ROOM B] Host Microbiota Interactions Chair: Sunil Pabbi Co-Chair: Utkarsh Sood, Charu Tripathi
1650- 1720	Keynote Lecture Agnieszka Dybala-Defratyka (Associate Professor, Lodz University of Technology, Poland) "Computational redesign of LinA and	Keynote Lecture Sanjay Kumar (Director, CSIR-IHBT, Palampur) <i>"Himalayan microbial technologies for society,</i> <i>industry, and the environment"</i>

1725- 1755	Keynote Lecture Bettina Sontag (Senior Scientist, University of Innsbruck, Austria) "The key role of ciliates in the microbial food web of lakes."	Keynote Lecture Yogesh Shouche (Scientist, NCCS, Pune) <i>"Human Microbiome: Indian Perspective"</i>
1800- 1820	Atya Kapley (Principal Scientist, CSIR- NEERI) <i>"Role of Microbes in Environmental</i> <i>Rejuvenation"</i>	Roshan Kumar (Assistant Professor, Magadh University, Bodhgaya, Bihar) "Phylogenetic Relationships and Potential Functional Attributes of the Genus Parapedobacter: A Member of Family Sphingobacteriaceae"
1825- 1845	Rama Chaudhry (Professor, Department of Microbiology, AIIMS, New Delhi) "Antimicrobial Resistance and its Impact on United Nation Sustainable Development Goals"	Gaurav Sharma (DST-INSPIRE Faculty Fellow, Institute of Bioinformatics and Applied Biotechnology, Bengaluru) "Diversity and evolution of chemosensory and flagellar systems amongst Family Vibrionaceae"

1850- 1920	Keynote Lecture Kalai Mathee (Professor, Florida International University, USA) "Agricultural plants as a potential source for human and animal transmission of extremely drug resistant Pseudomonas aeruginosa"	K. Annapurna (Principal Scientist, IARI) "Soil Microbiome Governs Soil Health and Sustainable Agricultural Systems"
1930- 2010	Plenary Lecture [ROOM A] Chair: Atya Kapley and Rup Lal Co-Chair: Jasvinder Kaur Hilary Lappin-Scott (Honorary Distinguished Professor at Cardiff University, Founder and Director, Lappin-Scott Consulting Ltd.) "Supporting women in science careers, why it is everyone's job and biofilm research"	

	Day	y <b>3:</b> 17	November, 2021	
IST (hrs)	Event			
0900- 0940	Zealand.)	artment	of Biological Sciences, The U que Microbial Ecology of Ant	
0940- 1020	Plenary Lecture [ROOM A] Hauke Smidt (Professor, Wageningen University, Netherlands) "Exploring microbial drivers of halogen cycling in pristine and polluted environments"			
1020- 1030	Tea Break			
	Session 5 (1030-1300) [ROOM A] SARS CoV-2 Chair: Jyoti Prakash	E	Session 6 (1030-1310) [Ro Empowering Aca Innovative	demics through
	Tamang Co-Chair: Shailly Anand, Helianthous Verma, Renu Solanki (Deen Dayal Upadhyay College)	[ROOM B][RChair: Ravi Toteja (Principal, ANDC)PraCo-Chair: Charu Dogra Rawat, Jaspreet KaurSin		<b>Student Oral Talks</b> [ROOM C] Chair: Om Prakash Co-Chair: Priya Singh, Pushplata (Ramjas College)
1030- 1100	Keynote Lecture Debojyoti (Senior Scientist, CSIR-	1030- 1040	OF1 Ishan Saini (Assistant Professor, Indira Gandhi University, Rewari)	OS1 Souvik Das (DAICENTER and Bioinformatics Centre, Sikkim University, Gangtok)

	IGIB, New Delhi) "Reading and writing the genome with precision"	1040- 1050	OF2 Reedhu Raj (Assistant Professor, Govt. Victoria College, Palakkad, Kerela)	OS2 Priyambada Pariyar (DAICENTER and Bioinformatics Centre, Sikkim University, Gangtok)	
		1050- 1100	OF3 Helianthous Verma (Assistant Professor, Ramjas College, University of Delhi)	OS3 H. Nakibapher Jones Shangpliang (DAICENTER and Bioinformatics Centre, Sikkim University, Gangtok)	
1100- 1120	1120 (Assistant Professor, JIIT, Noida) "Advances in the research of the	1100- 1110	OF4 Tikam Chand Dakal (Assistant Professor, Mohanlal Sukhadia University)	OS4 Piyush Goel (Indian Institute of Technology, Indore)	
	SARS-CoV-2 molecular structure and pathogenesis from a systems biology approach	1110- 1120	OF5 Juliet Roshini and Mohan Raj (Assistant Professor, Nitte University Centre for Science Education and Research)	OS5 Jeeva Susan Abraham (Acharya Narendra Dev College, University of Delhi)	

1120- 1140			OF6 Harish Rajak (Sr. Assistant Professor, Institute of Pharmaceutical Sciences, Guru Ghasidas University, Bilaspur (CG))	OS6 Samarth Sharma (Department of Biotechnology, Prayagraj)
		1130- 1140	OF7 Janmejay Pandey (Sr. Assistant Professor, Department of Biotechnology, School of Life Sciences, Central University of Rajasthan)	OS7 Srishti Singh (CMP PG College, University of Alahabad, Prayagraj)
1145- 1205	Baljeet Kaur (Assistant Professor, Hansraj college, University of	1140- 1150	OF8 Rajni Gupta (Professor, Kirori Mal College)	OS8 Rashi Raj (Sri Venkateswara College, University of Delhi)
	Delhi) "Relevant gene selection in cancer microarray datasets"	1150- 1200	Break	
	cancer incroarray datasets	1200- 1210	OF9 Jasleen Kaur Kalia (Associate Professor, Dyal Singh College, University of Delhi)	OS9 Vanya Garg (Galgotias University)
1210- 1230	Milan Surjit (Associate Professor, Thsti - Translational Health Science and Technology Institute,	1210- 1220	OF10 Suman Sharma (Associate Professor, Ramjas College, University of Delhi)	OS10 Shweta Mishra (CMP Botany Department)

	Faridabad) "Host-pathogen interactions during SARS- CoV2 infection: insights from virus-host RNA-protein interactome studies"	1220- 1230	OF11 Rita Rath (Associate Professor, Dyal Singh College, University of Delhi)	OS11 Nirmala Akoijam (North-Eastern Hill University)
		1230- 1240	OF12 Sadhna Gupta (Associate Professor, Dyal Singh College, University of Delhi)	OS12 Sukhjeet Kaur (IIT Bombay)
1235- 1255	Manjula Kalia (Associate Professor, Regional Centre for Biotechnology) <i>"Pharmacological</i> medulation of autophaguas a	1240- 1250	OF25 Neeraja Sood (Associate professor, Dyal Singh College, University of Delhi)	OS13 Shikha Gupta (Amity Institute of Biotechnology, Amity University, Uttar Pradesh, Noida)
pa	modulation of autophagy as a potential therapeutic for Japanese encephalitis"	1250- 1300	-	OS14 Sonam Antil (Department of Microbiology, COBS&H, CCS HAU, Hisar, Haryana)
		1300- 1310	-	OS37 Saya Laishram (Acharya Narendra Dev College)
1300- 1320	Ujjwal Neogi (Karolinska Institute, Stockholm,		INSCR GE	8 Meeting
	Sweden) "Multi-omics analysis to understand the host- metabolic reprogramming during SARS-CoV-2 infection associated with disease severity"			
1330- 1400	Sweden) "Multi-omics analysis to understand the host- metabolic reprogramming during SARS-CoV-2 infection associated			

1445- 1525	Plenary Lecture [ROOM A] Chair: Natesan Manickam
	David van de Vijver (Associate Professor, Viroscience department, Erasmus Medical Centre, Rotterdam, the Netherlands)
	"The impact of preexposure prophylaxis on HIV prevention. Meeting the United Nations goal of ending the AIDS pandemic in 2030"

	Session 7 (1530-1800) [ROOM A]	Session 8 (1530-1855) [ROOM B]
	Microbiology of Extreme	Translational and
	<b>Environments</b> Chair: Umesh Rai (HoD, DU) Co-Chair: Gauri Garg Dhingra, Princy Hira	Industrial Microbiology Chair: Mrutyunjay Suar Co-Chair: Nitish mahato, Vineet K. Singh, Sumit Sahni
1530- 1600	Keynote Lecture Anil Saxena (Director, NBAIM) <i>"Archaea as an option for plant growth promotion</i> and abiotic stress management"	Keynote Lecture Anirban Roy Choudhury (Senior Principal Scientist, CSIR - Institute of Microbial Technology, Chandigarh) "Process development and scale up for production of microbial exopolysaccharides: Petri plate to pilot plant"
1605- 1625	Rakshak Kumar (Scientist, CSIR - Institute of Himalayan Bioresource Technology, Palampur) <i>"Exploration of Himalayan microbes for the</i> <i>improvement of hill agriculture"</i>	Jyoti Prakash Tamang (Professor, Sikkim University) "Integrative Metagenomics and Metabolomics of Some Himalayan Fermented Foods; Microbial Communities and Health Benefits"
1630- 1650	Tanu Jindal (Group Additional Pro Vice Chancellor (R&D); Director, Amity Institute of Environmental Toxicology, Safety and Management) <i>"Exploration Of Extremophiles For Potential Bioremediation &amp; Biotechnological Applications"</i>	Vikas Sood (Assistant Professor, Jamia Hamdard University) "Host-pathogen interactions during SARS-CoV2 infection: insights from virus-host RNA-protein interactome studies"
1655- 1715	Anita Kamra Verma (Professor, Kirori Mal College, University of Delhi) "Exploiting Microbial Factories for Nanoparticle Synthesis: Novel Nano- biotechnological based Sustainable Bioremediation of Environmental Contaminants"	Sanjukta Subudhi (Area Convener, Microbial Biofuels and Biochemicals, TERI, New Delhi) "Fermentative production of 2,3 Butane Diol: A sustainable pathway for renewable chemical production"
<mark>1715-</mark> 1730	Tea Break	
1730- 1800	S. Venkatachalam (DST-SERB Post Doctoral Researcher, Ministry of Earth Sciences, Government of India) <i>"Microbial ecology of Arctic fjords and</i> <i>associated glacier foreland ecosystems in</i> <i>the changing climatic era"</i>	Keynote Lecture Ganesh D. Saratale (Associate Professor in the Department of Food Science and Biotechnology, Dongguk University, South Korea) "Microbial biopolymers production by utilizing lignocellulosic biomass resources: A sustainable green approach"

1805- 1825	Charu Tripathi (CMP College, University of Allahabad, Prayagraj) <i>"Insights Into The Lifestyle Of A Thermophilic Genus</i> <i>Thermus"</i>	Kashyap Dubey (Associate Professor, JNU, New Delhi) <i>"Biofoundry of lipstatin from Petriplate</i> to Bioreactor"
1830- 1850	-	Utkarsh Sood (The Energy and Resources Institute (TERI), Delhi) "Scale-up and commercialization of 24- desmethyl rifampicin effective against resistant strains of

	rifamycin Mycobacterium tuberculosis"
1900-1940	Plenary Lecture [ROOM A] Chair: David van de Vijver Co-Chair: Gauri Garg Dhingra Jizhong Zhou (Professor, University of Oklahoma, United States) <i>"Stochastic Processes in microbial community diversity and assembly"</i>

	Day 4: 18	November, 2021		
IST (hrs )	Event			
	Session 9 (0900-1340) [ROOM A] <b>Clinical</b> <b>Microbiology</b> Chair: Vibha Tandon Co-Chair: Princy Hira, Gauri Garg	Session 6 contd. (0900-1300) [ROOM B and ROOM C] Empowering Academics through Innovative Research		
	Dhingra	<b>Faculty Oral Talks</b> [ROOM B] Chair: Sukanya Lal (Ramjas College, DU) Co-Chair: Jaspreet Kaur, Rajendra Phartyal, P. Jayaraj	Student Oral Talks [ROOM C] Chair: Seema Makhija, Renu Gupta (Maitreyi College, DU) Co-Chair: Ajaib Singh, Kiran Rana, Sripoor na, Jeeva S. Abraham	
	Keynote Lecture	090 - 0-	OS16 Neekita D. Charan (Gujarat University)	

0900 -	<ul> <li>0900 Taifo Mahmud (Professor,</li> <li>- Oregon State</li> <li>0930 University, United States)</li> <li><i>"Biosynthetic studies of microbial-derived α-glucosidase inhibitors"</i></li> </ul>	0910		
0930		0910 - 092 0	-	OS17 Gargi Singh (University of Delhi)
		092 0- 093 0	-	OS18 Monika Jangra (Chaudhary Charan Singh Haryana Agricultural University, Hisar)
0930 - 1000	Keynote Lecture Karen Lloyd (Associate Professor, University of Tennesse, Knoxville) "Unknown microbes in Earth's subsurface"	093 0- 094 0	OF15 Ushmaben Bharatkumar Joshi (Assistant Professor, Muis, Ganpat University)	OS19 Shruti Sinha (Department of Technology, Savitribai Phule Pune University)
		094 0- 095 0	OF16 Taruna Joshi (Librarian, Ramjas College)	OS38 Geetika Arora (ABCR, DU)
		095 0- 1000	OF17 Yasir Bashir (Department of Microbiology, Govern ment Medical College Baramulla)	OS21 Rishabh Anand Omar (Department of Environment Microbiology, Babasaheb Bhimrao Ambedka r University Lucknow)
1000 - 1020	Vibha Tandon (Professor, Jawaharlal Nehru University) <i>"Unravelling the Mechanism of</i> <i>Topoisomerase IA as Novel Drug</i>	1000 - 1010	OF18 Sadaf Zakariya (K. J. Somaiya College of Science and Commerce, Vidyavihar, Mumbai)	OS22 Nikhil Ambatkar (Department of Technology, Savit ribai Phule Pune University)

	Target for Combating MDR Bacteria"	1010 - 1020	OF19 Nar Singh Chauhan (Professor, Maharshi Dayanan d University Rohtak , Haryana)	OS23 Swati Maurya (Acharaya Narendra Dev College, Delhi University)
1020 - 1035	Tea Break			
1040 - 1110	- Eddie Cytryn (Environmental	1035- 1045	OF20 Debashis Banerjee (Assistant Professor, Amity University)	OS24 Anup K. Singh (ICGEB, New Delhi)
	Sciences, ARO,	1045- 1055	OF21 Poonam Dwivedi (Associate Professor,	OS25 Mrunali Patel (Ganpat University)

	Volcani Agriculture Research Center, Israel) <i>"Understanding environmental</i>		Ramjas College,Universi ty of Delhi)	
	<i>dimensions of antibiotic resistance"</i>	1055- 1105	OF22 Renu Baweja (Assistant Professor, Shivaji College, University of Delhi)	OS26 Achamma Thomas (Mahatma Gandhi University,Kottayam,Kerala)
		1105- 1115	OF23 Anina James (Assistant Professor, Deen Dayal Upadhyaya College, University of Delhi)	OS27 Kruti Dave (Ganpat University)
1115- 1135	Vineet Ahuja (Professor, MD, Department of Gastroenterology and Human Nutrition, AIIMS, New Delhi)	1115- 1125	OF24 Smriti Bajpai (Faculty Bhavan's Vivekananda College, Hyderabad)	OS28 Siddhi Bangale (Hislop School of Biotechnology, Hislop College, Nagpur)
	Wew Denny "Human Gut Microbiome and Microbiome Manipulation Therapies "	1125- 1135	OF13 Vidhi Chaudhary (Assistant Professor, Daulat Ram College, University of Delhi)	OS29 Xiao Liu (Helmholtz- Centre for Environmental Resear ch – UFZ)
1140 - 1200	Biswajit Kundu (Professor, IIT- Delhi) <i>"Enzyme engineering</i> <i>through iterative learning:</i> <i>the case of L</i>	1135- 1145	OF26 Rekha Kumari (Associate Professor, Miranda House)	OS30 S Sripoorna (Acharya Narendra Dev College, University of Delhi)
	asparaginases"	1145- 1155	OF27 Priya Singh (Assistant Professor, Maitreyi College, University of Delhi)	OS31 Shruti Sinha (Department of Technology, Savitribai Phule Pune University)
1200 - 1230	Keynote Lecture Praveen Gupta (Director & HOD, Neurology Departme nt, Fortis Hospital, Gurugram) <i>"Gut microbiology in multiple</i>	1155- 1205	OF28 Samadhan Yuvraj Bagul (Scientist, ICAR Directorate of Medicinal & Aromatic Plants Research, Gujarat)	OS32 Swati Sharma (Department of Biotechnology)
	sclerosis"	1205- 1215	OF14 Manisha Arora Pandit (Assistant Professor, University of Delhi, Kalindi College)	OS33 Ishita Pahwa (Amity University Uttar Pradesh, Noida)
		1215- 1225	OF30 Sumit Sahni (Assistant Professor, Acharya Narendra Dev College, University of Delhi)	OS34 Sumedha (Department of environmental sciences, Sri Venkateswara College)
1235 - 1255	Bhabatosh Das (Associate Professor, Translational Health	1225- 1235	OF31 Anupama Shukla (Associate Professor, Acharya Narendra Dev	OS35 Jyoti Bakshi (Guru Jambheshwari University of Science & Technology)

In .	cience and Technology nstitute) "Decontamination of Bacteria from Antibiotic Resistance"		College, University of Delhi)	
		1235- 1245	OF32 Parminder Kaur (Assistant Professor, Khalsa College)	OS36 Drashya (Acharya Narendra Dev College)

		1245- 1255	-	OS15 Dilbag Singh (ICAR- Indian Agricultural Research Institute, New Delhi-110012)
		1255- 1305	-	OS37 Pritam Kumar Sinha (MA Gandhi Studies and Peace, IGNOU)
1300- 1320	Sachin Khurana (Scholar, Walter and Eliza Hall Institute For Medical Research, Australia) "Parasites are Beautiful: Microscopy bases approaches to study parasitic diseases"	1305- 1315	-	OS39 Aryan Arora (Department of Environmental Sciences, Sri Venkateswara College)
		1315- 1320	-	OS40 Pynhunlang Kharnaior (Department of Microbiology, Sikkim)
1320- 1400	Lunch Break			
1400- 1730	Session 10 [ROOM A] <b>Microbiology for Science and Society</b> Chair: N.K. Ganguly, Kenneth Timmis and Rup Lal Co-chair: Shailly Anand, Charu Dogra Rawat			
1400- 1430	Keynote Lecture Kenneth Timmis (Professor, Technical University of Braunschweig, Germany) <i>"The International Microbiology Literacy Initiative"</i>			
1430- 1500	Keynote Lecture Terry McGeneity (Professor, University of Essex, United Kingdom) <i>"Visualizing the invisible: class excursions to ignite children's enthusiasm for microbes"</i>			
1500- 1530	Keynote Lecture Rup Lal (NASI-Senior Scientist Platinum Jubilee Fellow, TERI) <i>"Microbiome and Human Health: Societal Perspective"</i>			
1530- 1600	Keynote Lecture Daniel McDonald (Professor, University of California, San Diego, United States) <i>"Diet from a poospective: The Microsetta Initiative"</i>			
1600- 1630	Keynote Lecture Paola Scavone (Principal Investigator, Departamento de Microbiología, Montevideo, Uruguay) <i>"The use of comics for microbial literacy in children"</i>			

1630-	Shailly Anand (Assistant Professor, Deen Dayal Upadhyaya College, University of Delhi)
1650	<i>"Microbes in Sustainable Development"</i>
1650-	Charu Dogra Rawat (Associate Professor, Ramjas College, University of Delhi)
1710	<i>"Inquiry, Inclusivity and InReach- the 3-Is in the M(I)crob(I)ology Educat(I)on"</i>

1710- 1740	Keynote Lecture Robert Metcalf (Emeritus Professor, California State University, USA) <i>"Bringing Evidence-Based Microbiology to the Community Level in Lower Nyakach, Kenya, to Eliminate Waterborne Disease"</i>				
1800- 1840	Valedictory Ceremony [ROOM A]				
1800-	Chief Guest: Paola Scavone				
1810	Guest of Honour: Balaram Pani (Professor and Dean of Colleges, University of Delhi)				
1010					
1810-	Welcome: Ravi Toteja (Principal, ANDC)				
1815	() ••••••••••••••••••••••••••••••••••••				
	INSCR Journal Release: Rup Lal				
1815-					
1825	Agar Art Competition Winners Announcement				
1825-					
1825-	Prize Distribution				
1050	Concluding Remarks and Vote of Thanks: Sukanya Lal (Professor, Ramjas College, DU)				
1830-	Concluding remarks and you of Thanks, Sukanya Lai (110105501, Ramjas College, DO)				
1840					