



Department of
BioTechnology,
Government
of India

INDIAN ACADEMY OF
SCIENCES BANGALORE

INDIAN NATIONAL SCIENCE ACADEMY
NEW DELHI

THE NATIONAL ACADEMY OF
SCIENCES, INDIA
ALLAHABAD

Science Foundation and MHRD-IIC-DDUC Chapter
Deen Dayal Upadhyaya College, University of Delhi, New Delhi
(Under the aegis of DBT Star College Program)

Jointly Organizes

**Science Academies Online Lecture Workshop On Frontiers in Science & Engineering - Opportunities for Graduates -
September 14-19, 2020**

September 14, 2020	
05:30 pm – 06:00 pm	Introductory Remarks by Prof. Anurag Sharma, FNA, FNASc, FASc, FNAE JC Bose National Fellow (SERB), Deptt. of Physics, IIT Delhi
06:00 pm – 07:00 pm	Molecular Insight into Plant Vision Inaugural Talk by Prof. Jitendra P. Khurana, FNA, FASc, FNASc, FNAAS, FTWAS Vice-President (International Affairs), INSA, JC Bose National Fellow (SERB), Professor, Department of Plant Molecular Biology, University of Delhi South Campus, New Delhi
	Technical Session : Physical Sciences
07:00 pm – 08:00 pm	Ion Accelerator based Interdisciplinary Developments, Research and Applications Dr. Dinakar Kanjila, FNA, FNASc DAE Raja Ramanna Fellow & Former Director, Inter University Accelerator Centre (IUAC) Aruna Asaf Ali Marg, New Delhi
September 15, 2020	Technical Session : Chemical Sciences
04:00 pm – 05:00 pm	The Lead Halide Perovskites: Photoluminescence and Charge Carrier Dynamics Professor Anunay Samanta, FASc, FNASc, FNA Sr. Professor and J.C. Bose National Fellow (DST), School of Chemistry, University of Hyderabad
05:00 pm – 06:00 pm	Interdisciplinary Education for Science and Innovation Professor Sourav Pal, FASc, FNASc, FNA Director, Indian Institute of Science Education & Research, West Bengal
September 16, 2020	Technical Session : Computer Sciences and Electronics
06:00 pm – 07:00 pm	Electronic Cash, Cryptocurrencies and Smart Contracts Professor Rudrapatna Kallikote Shyamasundar, FASc, FNA, FNASc, FNAE, FIEEE, FTWAS Distinguished V Professor, Computer Science & Engineering Department, IIT Powai
September 17, 2020	Technical Session : Biological Sciences
06:00 pm – 07:00 pm	Indian Healthcare, Digital Transformation, and COVID-19 Dr Anurag Agrawal, FNA, Director, CSIR-Institute of Genomics and Integrative Biology, Mall Road, Delhi University
07:00 pm – 08:00 pm	Responsibilities and opportunities for academics in the context of current pandemic Dr. Rakesh K Mishra, FASc, FNASc, FNA, Director, CSIR-Centre for Cellular & Molecular Biology, Hyderabad
September 18, 2020	Technical Session : Mathematical Sciences
06:00 pm – 07:00 pm	Continued fraction expansions of complex numbers Prof. Shrikrishna Gopalrao Dani, FASc, FNA, FNASc Distinguished Professor, Centre for Excellence in Basic Sciences, University of Mumbai, Maharashtra
07:00 pm – 08:00 pm	Prof. Probal Chaudhuri, FASc, FNA, FNASc Theoretical Statistics and Mathematics Unit, Indian Statistical Institute, Kolkata
September 19, 2020	Technical Session : Physical Sciences and Chemical Sciences
06:00 pm – 07:00 pm	Future Geosciences and Opportunities Prof. Ashok Kumar Singhvi, FASc, FNA, FNASc, FTWAS, Honorary Scientist, Atmospheric, Molecular & Optical Physics Divn., PRL, Gujarat
07:00 pm – 08:00 pm	Glasses and other amorphous solids Professor Srikanth Sastry, FASc, FNASc, FNA, Theoretical Sciences Unit, JNCASR, Bangalore, Karnataka

• **NO REGISTRATION FEES.**

Organizing Committee

Professor Anurag Sharma, *Convener -Workshop*
FNA, FNASc, FASc, FNAE, JC Bose National Fellow (SERB)
Department of Physics, IIT Delhi (Convener-Workshop)

Dr. Poonam Kasturi
Associate Professor, Department of Electronics
Deen Dayal Upadhyaya College

Dr. H. C. Jain, *Officiating Principal*
Deen Dayal Upadhyaya College
University of Delhi

Ms. Shweta Wadhwa
Assistant Professor, Department of Computer Science
Deen Dayal Upadhyaya College

Dr. Manoj Saxena, *Coordinator-Workshop*
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Dr. Geetika J. Saxena
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- Department of Zoology, Deen Dayal Upadhyaya College -
- Department of Chemistry, Deen Dayal Upadhyaya College -
- Department of Botany, Deen Dayal Upadhyaya College -
- Department of Mathematics, Deen Dayal Upadhyaya College -
- Department of Physics, Deen Dayal Upadhyaya College -
- Dr. Renu Solanki, Dr. Shailly Anand, Dr. Sudhir Verma and Dr. Priya Goel
- Dr. Sachin Mittal and Dr. Vinod Kumar
- Dr. Rajkumari S. Tripathi and Dr. Rajkumari S. Devi
- Dr. Mamta Amol Wagh and Dr. Poonam Garg
- Dr. Deepak Jain and Dr. Kulvinder Singh