**TENTATIVE PROGRAM SCHEDULE**

<table>
<thead>
<tr>
<th>Date</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 31, 2021</td>
<td>Dr. Ranjana Aggarwal, Director, CSIR-National Institute of Science, Technology and Development Studies, New Delhi</td>
</tr>
<tr>
<td>February 01, 2021</td>
<td><strong>Professor Gagandeep Kang</strong> FRS, The Wellcome Trust Research Laboratory, Division of Gastrointestinal Sciences, Christian Medical College, Vellore</td>
</tr>
<tr>
<td>February 02, 2021</td>
<td><strong>Dr. Srubabati Goswami</strong>, FASc, FNASC, FNA, Professor, Theoretical Physics Division, Physical Research Laboratory, Ahmedabad</td>
</tr>
<tr>
<td>February 03, 2021</td>
<td><strong>Professor Sudha Bhattacharya</strong>, FASc, FNASC, FNA INSA Senior Scientist, Ashoka University, (formerly JC Bose National Fellow and Professor Jawaharlal Nehru University, New Delhi)</td>
</tr>
<tr>
<td>February 04, 2021</td>
<td><strong>Dr. Sunita Mishra</strong>, Senior Principal Scientist, CSIR-CSIO Chandigarh</td>
</tr>
<tr>
<td>February 05, 2021</td>
<td><strong>Dr. Sangita Mukhopadhyay</strong>, FNA, FASc, FNASC, FTASC, Staff Scientist - VII and Group Leader, Laboratory of Molecular Cell Biology (LMCB), Centre for DNA Fingerprinting and Diagnostics, Hyderabad - 500039, India.</td>
</tr>
<tr>
<td>February 06, 2021</td>
<td><strong>Prof. Priya Mahadevan</strong>, FASc, Associate Professor, SN Bose National Centre for Basic Sciences, Kolkata</td>
</tr>
<tr>
<td>February 07, 2021</td>
<td><strong>Professor Riddhi Shah</strong>, School of Mathematics, JNU, New Delhi</td>
</tr>
<tr>
<td>February 08, 2021</td>
<td><strong>Professor Neelam S Sangwan</strong>, FNA, FNAAS, Central University of Haryana, Mahendergarh, Professor, Academy of Scientific and Innovative Research (AcSIR), N Delhi, ex-Chief Scientist, CSIR-Central Institute of Medicinal and Aromatic Plants, Lucknow</td>
</tr>
<tr>
<td>February 09, 2021</td>
<td><strong>Professor Geetha Venkataraman</strong>, Professor of Mathematics &amp; Dean Research and Consultancy, Ambedkar University Delhi, Delhi 110006</td>
</tr>
<tr>
<td>February 10, 2021</td>
<td><strong>Professor Paramjit Khurana</strong>, FASc, FNA, FNASC, Department of Plant Molecular Biology, University of Delhi South Campus, New Delhi</td>
</tr>
<tr>
<td>February 11, 2021</td>
<td><strong>Professor Shreemayee Bora</strong>, Department of Mathematics, Indian Institute of Technology Guwahati, Guwahati, Assam</td>
</tr>
<tr>
<td>February 12, 2021</td>
<td><strong>Professor Dipshikha Chakravorty</strong>, FASc, FNASC, FNA ASTRA Chair Professorship, DAE SRC Fellow, Humboldt Fellow, Department of Microbiology and Cell Biology, Associate Faculty, Biosystems Science and Engineering, Indian Institute of Science, Bangalore 560 012</td>
</tr>
</tbody>
</table>

Coordinated By: Dr. Manoj Saxena, Program Coordinator - DBT Star College Program (DDUC)
Email: progcoor@ddu.du.ac.in
<table>
<thead>
<tr>
<th>Date</th>
<th>Speaker Name</th>
<th>Institution/Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>February 13, 2021</td>
<td>Professor Jaya Naganathan Iyer, FASc</td>
<td>Professor H, Mathematics Group, The Institute of Mathematical Sciences, Chennai</td>
</tr>
<tr>
<td>February 14, 2021</td>
<td>Dr. Chandrani Nath</td>
<td>DST INSPIRE Faculty, Special Centre for NanoScience, JNU</td>
</tr>
<tr>
<td>February 15, 2021</td>
<td>Professor Hemalatha Balaram, FNA, FASc</td>
<td>Molecular Biology and Genetics Unit, Jawaharlal Nehru Centre for Advanced, Scientific Research (JNCASR), Bangalore</td>
</tr>
<tr>
<td>February 16, 2021</td>
<td>Prof. Sulabha Kulkarni</td>
<td>FNA, FASc, FNASC, INSA Senior Scientist, Centre for Materials for Electronics Technology (CMET), Pune, Panchwati, Pune</td>
</tr>
<tr>
<td>February 17, 2021</td>
<td>Professor Usha Vijayaraghavan, FNA, FASc</td>
<td>Dean, Division of Biological Sciences, Indian Institute of Science, Bangalore 560012</td>
</tr>
<tr>
<td>February 18, 2021</td>
<td>Professor S. Annapoorni</td>
<td>Department of Physics and Astrophysics, University of Delhi</td>
</tr>
<tr>
<td>February 19, 2021</td>
<td>Professor Gaiti Hasan</td>
<td>Laboratory of Intracellular Calcium Signaling, National Centre for Biological Sciences, TIFR, Bangalore</td>
</tr>
<tr>
<td>February 20, 2021</td>
<td>Professor Nandita DasGupta,</td>
<td>Electrical Engineering Department, Indian Institute of Technology, Madras 600 036.</td>
</tr>
<tr>
<td>February 21, 2021</td>
<td>Professor Maneesha Shreedhar Inamdar, FNA</td>
<td>Molecular Biology and Genetics Unit, Jawaharlal Nehru Centre for Advanced, Scientific Research, Jakkur</td>
</tr>
<tr>
<td>February 22, 2021</td>
<td>Dr. Vatsala Thirumalai</td>
<td>Associate Professor, Senior Fellow, Wellcome Trust - DBT India Alliance, National Centre for Biological Sciences, Tata Institute for Fundamental Research, Bangalore</td>
</tr>
<tr>
<td>February 23, 2021</td>
<td>Prof. Leena Nebhani</td>
<td>Department of Materials Science and Engineering, Indian Institute of Technology Delhi</td>
</tr>
<tr>
<td>February 24, 2021</td>
<td>Professor Sneha Sudha Komath</td>
<td>School of Life Sciences, Jawaharlal Nehru University, New Delhi</td>
</tr>
<tr>
<td>February 25, 2021</td>
<td>Prof. Parul Garg</td>
<td>Division of Electronics and Communication Engineering, Netaji Subhas University of Technology, New Delhi</td>
</tr>
<tr>
<td>February 26, 2021</td>
<td>Professor Shweta Saran</td>
<td>School of Life Sciences, JNU</td>
</tr>
<tr>
<td>February 27, 2021</td>
<td>Dr. Seena V</td>
<td>Associate Professor, Department of Avionics, Indian Institute of Space Science and Technology (IIST), Department of Space, Govt. of India, Thiruvananthapuram</td>
</tr>
<tr>
<td>February 28, 2021</td>
<td>Dr. Rohini Garg</td>
<td>Department of Life Sciences, School of Natural Sciences, Shiv Nadar University, UP</td>
</tr>
</tbody>
</table>

Coordinated By: Dr. Manoj Saxena, Program Coordinator - DBT Star College Program (DDUC)
Email: progcoordbtstar@du.du.ac.in
Atmanirbhar Bharat Abhiyan
Webinar Series
jointly organized by
The National Academy of Sciences India - Delhi Chapter
&
Science Foundation and MoE-IIC-DDUC Chapter
Deen Dayal Upadhyaya College (University of Delhi)
under the aegis of DBT Star College Program

TENTATIVE PROGRAM SCHEDULE

<table>
<thead>
<tr>
<th>Date</th>
<th>Speaker</th>
</tr>
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</table>
| March 01, 2021 | **Professor Mridula Gupta,**  
                      Head, Department of Electronic Science, University of Delhi |
| March 02, 2021 | **Professor Alo Nag,**  
                      Head, Department of Biochemistry and Department of Biophysics, University of Delhi South Campus |
| March 03, 2021 | **Prof. Deepa Khushalani,** FRSC,  
                      Professor in Materials Chemistry, Dept. of Chemical Sciences, Tata Institute of Fundamental Research (TIFR), Colaba, Mumbai 400 005, India |
| March 04, 2021 | **Professor Tanusri Saha-Dasgupta,**  
                      Senior Professor & Dean (Academic), Department of Condensed Matter Physics & Materials Science, S. N. Bose. National Center for Basic Sciences, Kolkata |
| March 05, 2021 | **Dr Qudsia Tahseen,** FASc, FNASc, FNA,  
                      Department of Zoology, Aligarh Muslim University |
| March 06, 2021 | **Dr. Subhra Chakraborty,** FNASc, FNAAS, FASc, J C Bose National Fellow,  
                      Director National Institute of Plant Genome Research, Jawaharlal Nehru University, New Delhi |

Coordinated By: Dr. Manoj Saxena, Program Coordinator - DBT Star College Program (DDUC)
Email: progcoordbtstar@ddu.du.ac.in
### TENTATIVE PROGRAM SCHEDULE

**Fifth Lecture Workshop (Online) on "Trans-disciplinary Areas of Research and Teaching by Shanti Swarup Bhatnagar (SSB) Awardee"**

<table>
<thead>
<tr>
<th>Date</th>
<th>Lecture</th>
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| March 07, 2021 | **Professor Ajoy Ghatak**, SSB Awardee - Physical Sciences 1979  
**Professor Anurag Sharma**, SSB Awardee - Engineering Sciences 1998 |
| March 08, 2021 | **Bootstrapping the quantum world**  
**Dr Aninda Sinha**, SSB Awardee - Physical Sciences 2019  
Centre for High Energy Physics, Indian Institute of Science, Bangalore, Karnataka INDIA |
| March 09, 2021 | **Grasping Cells**  
**Professor G.K. Ananthasuresh**, SSB Awardee - Engineering Sciences 2010  
Department of Mechanical Engineering, Indian Institute of Science, Bangalore |
| March 10, 2021 | **Next generation drugs and vaccines against tuberculosis!**  
**Dr Dhiraj Kumar**, SSB Awardee - Medical Sciences 2019  
Cellular Immunology Group, International Centre For Genetic Engineering And Biotechnology, Aruna Asaf Ali Marg Jawaharlal Nehru University, New Delhi |
| March 11, 2021 | **Remarkable Outcomes of Mathematical Physics**  
**Prof. Sunil Mukhi**, SSB Awardee - Physical Sciences 1999  
Indian Institute of Science Education & Research, Pune, Maharashtra  
Cardiac Arrhythmias: What can we learn from Mathematical Models of Cardiac Tissue?  
**Professor Rahul Pandit**, SSB Awardee - Physical Sciences 2001  
Department of Physics, Indian Institute of Science, Bangalore |
| March 12, 2021 | **Do the fundamental constants change with time?**  
**Professor Nissim Kanekar**, SSB Awardee - Physical Sciences 2017  
DST Swarnajayanti Fellow, National Centre for Radio Astrophysics (NCRA), Tata Institute of Fundamental Research (TIFR), Pune, India. |
| March 13, 2021 | **HAMS: Harnessing AutoMobiles for Safety**  
**Dr Venkata N. Padmanabhan**, SSB Awardee - Engineering Sciences 2016  
Principal Researcher, Microsoft Research India, Microsoft Research India, Bangalore |
| March 15, 2021 | **A Dozen things I learnt in my journey**  
**Dr. Mohammad Javed Ali**, SSB Awardee - Medical Sciences 2019  
HEAD, Govindram Seksaria Institute of Daecrology (GSID), L.V. Prasad Eye Institute, Hyderabad |

Coordinated By: Dr. Manoj Saxena, Program Coordinator - DBT Star College Program (DDUC)  
Email: progcoorbtstar@ddu.du.ac.in
### Tentative Program Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Lecture Workshop</th>
<th>Speaker Name</th>
<th>Affiliation</th>
</tr>
</thead>
</table>
| March 16, 2021 | Dr. Abhijit Mukherjee, *SSB Awardee - Earth, Atmosphere, Ocean and Planetary Sciences 2020*  
Associate Professor (Hydrogeology), Dept. of Geology and Geophysics, School of Environmental Science and Engineering, Indian Institute of Technology Kharagpur (IIT KGP), West Bengal | [Dr. Abhijit Mukherjee](mailto:dr_abhijit_mukherjee@iitkgp.ac.in) | [IIT Kharagpur](https://www.iitkgp.ac.in)  
[Earth, Atmosphere, Ocean and Planetary Sciences](https://www.iitkgp.ac.in/egsc)  
[Department of Geology and Geophysics](https://www.iitkgp.ac.in/egsc)  
[School of Environmental Science and Engineering](https://www.iitkgp.ac.in/egsc)  
[Indian Institute of Technology Kharagpur (IIT KGP)](https://www.iitkgp.ac.in)  
[West Bengal](https://www.westbengal.gov.in) |
| March 17, 2021 | Professor Vijay B. Shenoy, *SSB Awardee - Physical Sciences 2013*  
Centre for Condensed Matter Theory, Department of Physics, Indian Institute of Science, Bangalore | [Professor Vijay B. Shenoy](mailto:shenoy@physics.iisc.ac.in) | [Indian Institute of Science](https://www.iisc.ac.in)  
[Centre for Condensed Matter Theory](https://www.iisc.ac.in/cctr)  
[Department of Physics](https://www.iisc.ac.in/physics)  
[Indian Institute of Science, Bangalore](https://www.iisc.ac.in/bangalore) |
| March 18, 2021 | Reengineering Waste Management  
Dr S Venkata Mohan, *SSB Awardee - Engineering Sciences 2014*  
Senior Principal Scientist and DBT-Tata Innovation Fellow, Professor, AcSIR- Bioengineering and Environmental Sciences Lab, Deptt. of Energy and Environmental Engineering, CSIR-Indian Institute of Chemical Technology (CSIR-IITCT), Hyderabad | [Dr S Venkata Mohan](mailto:venkata.mohan@iitct.csir.res.in) | [Indian Institute of Technology Chennai](https://www.iit.ac.in)  
[Engineering Sciences](https://www.iit.ac.in/engineering)  
[AcSIR](https://www.acsir.in)  
[Bioengineering and Environmental Sciences Lab](https://www.acsir.in/besl)  
[Department of Energy and Environmental Engineering](https://www.acsir.in/eene)  
[CSIR-Indian Institute of Chemical Technology (CSIR-IITCT)](https://www.csir.iitct.res.in)  
[Hyderabad](https://www.hyderabad.aps.gov.in) |
| March 19, 2021 | Dr. Shantanu Chowdhury, *SSB Awardee - Biological Sciences 2012*  
Senior Fellow | Wellcome Trust/DBT India Alliance, Professor, Academy of Scientific and Innovative Research, CSIR-Institute of Genomics and Integrative Biology, New Delhi | [Dr. Shantanu Chowdhury](mailto:shantanu.chowdhury@wbindia.in) | [Wellcome Trust](https://www.wellcome.ac.uk)  
[DBT India Alliance](https://www.dbt-india.org)  
[Academy of Scientific and Innovative Research](https://www.asir.org.in)  
[CSIR-Institute of Genomics and Integrative Biology](https://www.igib.res.in)  
[New Delhi](https://www.newdelhi.gov.in) |
| March 20, 2021 | Professor Umesh V. Waghmare, *SSB Awardee - Physical Sciences 2010*  
J Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur, Bangalore | [Professor Umesh V. Waghmare](mailto:umesh.waghmare@jncasr.res.in) | [Indian Association for the Cultivation of Science](https://www.iacs.res.in)  
[JNCASR](https://www.jncasr.res.in)  
[Jakkur, Bangalore](https://www.jakkur.aps.gov.in)  
[Bangalore](https://www.bangalore.aps.gov.in) |
| March 22, 2021 | Fascinating world of carbon nanomaterials  
Dr Kinshuk Dasgupta, *SSB Awardee - Engineering Sciences 2020*  
Materials Group, Bhabha Atomic Research Centre, Mumbai, Maharashtra | [Dr Kinshuk Dasgupta](mailto:kinshuk.dasgupta@barc.gov.in) | [Bhabha Atomic Research Centre](https://www.barc.gov.in)  
[Engineering Sciences](https://www.barc.gov.in/engineering)  
[Materials Group](https://www.barc.gov.in/materials)  
[Mumbai](https://www.mumbai.aps.gov.in)  
[Maharashtra](https://www.maharashtra.aps.gov.in) |
| March 23, 2021 | Dr. Soumen Basak, *SSB Awardee - Biological Sciences 2019*  
Systems Immunology Lab, National Institute of Immunology, New Delhi | [Dr. Soumen Basak](mailto:soumen.basak@nic.in) | [National Institute of Immunology](https://www.nic.in)  
[Systems Immunology Lab](https://www.nic.in/systems)  
[New Delhi](https://www.newdelhi.gov.in) |
| March 24, 2021 | Organic Chemistry as a Tool For Nucleic Acids Directed Therapeutics  
Professor Jyotirmayee Dash, *SSB Awardee – Chemical Sciences 2020*  
School of Chemical Sciences, Wellcome Trust DBT Indian Alliance Senior Fellow  
Indian Association for the Cultivation of Science, Jadavpur, Kolkata-700 032, India | [Professor Jyotirmayee Dash](mailto:jyotirmayee.dash@wbindia.in) | [Indian Association for the Cultivation of Science](https://www.iacs.res.in)  
[Jadavpur University](https://www.jadavpuruniversity.in)  
[Kolkata](https://www.kolkata.aps.gov.in)  
[700 032, India](https://www.700032.india.gov.in) |
| March 25, 2021 | Prof. Sandip Trivedi, *SSB Awardee - Physical Sciences 2005*  
Dept. of Theoretical Physics, Tata Institute of Fundamental Research, Mumbai | [Prof. Sandip Trivedi](mailto:sandip.trivedi@tifr.res.in) | [Tata Institute of Fundamental Research](https://www.tifr.res.in)  
[Dept. of Theoretical Physics](https://www.tifr.res.in/theo)  
[Mumbai](https://www.mumbai.aps.gov.in) |