

**UGC-Malaviya Mission Teacher Training Centre
Jawaharlal Nehru University
New Delhi**

Website: <https://www.jnu.ac.in/mmttc>

**1st Short Term Course in Physical, Chemical & Nano Sciences (ONLINE MODE)
23rd October – 29th October, 2024**

Course coordinators:

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List of Resource Persons:

Sr. No.	Name	Topic of lecture	Contact Details
1	Prof Ashok Kumar Nagawat	<i>“Shaping the Future of Humankind: The Convergence of Emerging STEM Disciplines”</i>	Hon’ble Vice Chancellor Delhi Skill and Entrepreneurship University, New Delhi Email: vc@dseu.ac.in
2	Prof. Mahesh Kumar	<i>“Machine Learning approach to develop a real-time prediction model for H2S gas detection”</i>	Department of Electrical Engineering Indian Institute of Technology Jodhpur Jodhpur-342030 (INDIA). Email: mkumar@iitj.ac.in
3	Prof. Ganga Ram Chaudhary	<i>“Sustainable Nanotechnologies for Industrial Wastewater Treatment”</i>	Department of Chemistry & Centre of Advanced Studies in Chemistry Director, SAIF/CIL Coordinator, STUTI Program-Panjab University Panjab University, Chandigarh-160 014 Email: grc22@pu.ac.in
4	Prof. Tokeer Ahmad	<i>“ Nano Catalysis for Sustainable Hydrogen Production”</i>	Department of Chemistry, Jamia Millia Islamia, Jamia Nagar, New Delhi-110025 Email: tahmad3@jmi.ac.in
5	Prof. Subhasis Ghosh	<i>“Physics of Low Dimensional Systems”</i>	School of Physical Sciences, JNU subhasis@mail.jnu.ac.in ghosh.subhasis@gmail.com
6	Dr Pratima Solanki	<i>“Electrochemical Biosensor for Biomedical Application”</i>	Special Centre for Nano Sciences (SCNS) Jawaharlal Nehru University, (JNU) New Delhi- 110067 Email: pratimarsolanki@gmail.com
7	Prof. Pritam Mukhopadhyay	<i>Organic Radicals: Design, Synthesis, Stabilization and their Applications</i>	School of Physical Sciences, JNU Email: pritam.jnu@gmail.com

8	Prof. Satyabrata Patnaik	<i>"Quantum Materials and their Technological Applications"</i>	School of Physical Sciences, JNU Email: spatnaikjnu@gmail.com spatnaik@jnu.ac.in
9	Prof. Kedar Singh	<i>"Physical and Chemical Approaches for Investigating Nano Materials"</i>	School of Physical Sciences, JNU Email: kedarbhu08@gmail.com kedar@mail.jnu.ac.in
10	Prof. D N Gupta	<i>"Unveiling the Physics of Laser-Plasma Accelerators"</i>	Department of Physics & Astrophysics, University of Delhi Email: dngupta@physics.du.ac.in dngupta2001@gmail.com
11	Prof. Govind Gupta	<i>"Semiconductor Nanostructures & Heterostructures for Futuristic Optoelectronic Technologies"</i>	Professor, Academy of Scientific & Innovative Research (AcSIR) Head, Sensor Devices & Metrology Group, CSIR-National Physical Laboratory, Dr. K.S. Krishnan Road, New Delhi-110 012, India Email: govindnpl@gmail.com govind@nplindia.org
12	Prof. Manish Kumar	<i>"DFT simulations for materials design and discovery"</i>	School of Physical Sciences Jawaharlal Nehru University New Delhi Email: manishdft@gmail.com ; mkkashyap@mail.jnu.ac.in
13	Prof. Sanjay Puri	<i>"Kinetics of Phase Transitions"</i>	School of Physical Sciences, JNU Email: purijnu@gmail.com puri@mail.jnu.ac.in
14	Prof. Subhankar Bedanta	<i>"Novel Materials, Devices & emerging phenomena for Spintronics & Quantum Technologies"</i>	DAE-National Institute of Science Education and Research, Bhubaneswar Email: sbedanta@niser.ac.in
15	Prof. Dinesh Mohan	<i>"From Publication to Recognition: Bibliometric Tools for Enhancing Research Quality and Citations"</i>	School of Environmental Sciences JNU Email: dm_1967@hotmail.com
16	Dr. Ram Prasad Prajapati	Plasma Physics: Applications in Fusion, Space and Astrophysics	School of Physical Sciences Jawaharlal Nehru University New Delhi Email: rpprajapati@mail.jnu.ac.in , prajapati.iter@gmail.com
17	Prof. Ramesh Chandra	<i>Manipulating conventional materials For (Gas Sensing and Energy Storage Applications)</i>	Indian Institute of Technology Roorkee, Roorkee-247667 Email: ramesfic@gmail.com ; ramesh.chandra@ic.iitr.ac.in