

Online One-week National Workshop

"Advanced Physical Tools and Techniques for Materials Characterization" (APTTMC-2020)

28th July – 03rd August 2020

Organized by

Department of Physics, Mahatma Gandhi Central University, Bihar

Patron



Prof. Sanjeev Kumar Sharma Hon'ble Vice-Chancellor Mahatma Gandhi Central University Bihar

Co-Conveners

Prof. Santosh Kumar Tripathi Department of Physics, MGCU Bihar

Prof. Sunil Kumar Srivastava Department of Physics, MGCU Bihar

Organizing Committee

All Faculty Members of the Department

Registration link

https://forms.gle/saQxaqXVpk214Kpd6

Last Date of Registration: 26th July 2020

Ioin us at



Google Meet



Convener



Prof. Ajai Kumar Gupta Dean School of Physical Sciences Head, Department of Physics Department of Physics, MGCU Bihar

Organizing Secretaries

Dr. Neelabh Srivastava Department of Physics, MGCU Bihar

Dr. Pawan Kumar Department of Physics, MGCU Bihar

About the Workshop

The online one-week workshop on Material Characterization Techniques is being organized to get familiar with the physical tool and techniques which are essential for material science research. The workshop will focus on working and demonstration of various experimental characterization techniques as well as theoretical methods. This workshop will be much beneficial for Faculty members, early stage researchers (M.Phil./Ph.D.), students (UG/PG) and working professionals in the field of materials science and also to other allied disciplines.

List of Speakers

Prof. Ravindra Dhar Allahabad University



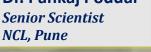
Prof. T. Som IoP, Bhubaneshwar



Prof. G. Govindaraj **Pondicherry University**



Dr. Pankaj Poddar





Dr. R. J. Choudhary Scientist-F UGC-DAE CSR, Indore



Dr. Fouran Singh Scientist-F IUAC, New Delhi



Dr. Indra Sulania Scientist-E IUAC, New Delhi



Dr. Ambesh Dixit Associate Professor IIT Jodhpur



Dr. Vijay Raj Singh **Associate Professor** CUSB, Gaya



Scientific Officer-F





Dr. Sanjay Singh Assistant Professor SMST, IIT-BHU



Dr. Anar Singh Assistant Professor Lucknow University



Dr. P. K. Shukla Assistant Professor Assam University, Silchar



Amit Joshi Application Specialist Thermo Fisher Scientific



Harender Kumar Application Engineer Integrated Microsystem



Topics

Expert lectures will be of 1.5 hour duration on the following topics:

- **Electron Microscopy Techniques**
- X-Ray/ Neutron **Diffraction**
- **Ion-Beam Analysis**
- Raman/IR Spectroscopy
- **Density Functional Theory**
- **Magnetic Measurements** of Materials
- **Photoelectron Spectroscopy**
- **Scanning Probe** Microscopy (AFM, MFM)
- **Impedence Spectroscopy**
- **Thermal Analysis**

E-Certificate will be issued to all the registered participants.

*Certificate will be issued for 90% and above attendance only

Contact us: apttmc2020@gmail.com