



DST-SERB

**“Karyashala” @ IIT
Bhubaneswar.**

High-End Workshop on

“Scattering Methods (Electron, X-ray and Ion) for Materials Characterization”

Venue: Indian Institute of
Technology Bhubaneswar,
Argul, Odisha.

Dates: June 13 – 20, 2022

Topics: Scattering Methods (using Electron, X-ray and Ion Beam)

- i. Electron Microscopy (SEM and TEM)
- ii. X-ray Scattering: XRD, XRR, GIXRD, Small Angle, Resonant scattering, fluorescence spectroscopy, XPS, Synchrotrons
- iii. Ion Scattering: Accelerators, Rutherford Backscattering Spectrometry (RBS), Ion Channelling, ERDA, PIXE, SIMS, Ion Implantation

Organizing Committee:

IIT Bhubaneswar: Dr Shyamal Chatterjee, Prof. P V Satyam, and Students

IOP Bhubaneswar: Prof. S Varma and Students

DST SERB: Dr Pankaj Kumar Rawat

Patrons: Director, IIT Bhubaneswar and Director, IOP

Tentative List of Speakers:

1. Prof. B. N. Dev (former Professor at IOP and IIT Kharagpur and now at TCG Kolkata)
2. Prof. D. Kanjilal – (Evening talk) (former Director IUAC and RRF IUAC Delhi)
3. Prof N C Mishra (Former Professor at Utkal University)
4. Dr. B. K. Panigrahi, IOP (Former Director, Materials Chemistry and MFC Group and EIG, IGCAR Kalpakkam)
5. Prof Shikha Varma (IOP)
6. Dr R. Tewari (BARC, Mumbai)
7. Prof. P. V. Satyam, IIT Bhubaneswar
8. Prof. T. Som, IOP, Bhubaneswar
9. Dr. Shyamal Chatterjee, IIT Bhubaneswar
10. Dr Partha Sarathi De, IIT Bhubaneswar
11. Dr. B. Sundaravel, IGCAR, Kalpakkam
12. Prof. Dipak Kumar Goswami, IIT Kharagpur
13. Dr. Mrinmay Mukhopadhyay, SINP Kolkata
14. Dr. Maheswar Nayak, RRCAT, Indore
15. Dr Manju Unnikrishnan, IMMT Bhubaneswar
16. Dr. Ashutosh Rath, IMMT Bhubaneswar
17. Dr. Dinesh Topwal, IOP, Bhubaneswar
18. Dr Suresh, ARCI Hyderabad
19. Dr. R Acharya, BARC
20. Dr Pratap K Sahoo, NISER, Bhubaneswar

Participants do get a chance to give a short oral presentation as well during the workshop.

**Registration: PhD Students and Young
Faculties Working in Physics and
Material Science can send their interest
before 30.5.2022**

Contact: Prof. P. V. Satyam, IIT Bhubaneswar (satyam@iitbbs.ac.in) – 9437558903; 9337371359 and tem.xray.ion.karyashala2022@gmail.com) (last date for registration (send your interest by email by 30.5.2022)