



Virtual Workshop On “Advanced Characterization Tools: Fundamentals & Applications”



16th -21st May 2022

Jointly Organizing by : Dept. of Physics, Govt. Pt. Shyamacharan Shukla College, Dharsiwa, Raipur & Dept. of Physics, C V Raman Global University, Bhubaneshwar

About the Workshop

The workshop will mainly focus on the fundamental aspects and latest developments in the field of characterization tools for materials research. It aims to provide the in-depth understanding about the fundamental knowledge and technical aspects to various characterization tools and how these techniques can be employed to have a better understanding in probing materials behavior and their structure property correlation. This workshop will be much beneficial to faculty members young researchers students and working professionals in the field of material science and also to other allied disciplines to disseminate knowledge about the various applied characterization tools.

Registration Fee

- Faculty/ Scientists : Rs.100
- Research Scholars : Rs. 50
- Student : Rs. 50

Online Payment Details :

Name: Principal Govt. Pt. Shyamacharan Shukla College

Bank: Bank of Baroda

A/c no. – 86880 10000 3006

IFSC Code – BARB0DBDHR

Topic to be Covered

1. UV-Vis Absorption Spectroscopy /IR Spectroscopy
2. X-ray Diffraction
3. Photo luminescence
4. Impedance spectroscopy
5. Electron Microscopy
6. Thin film deposition

Registration Link: <https://forms.gle/XFbmAKtredbs6dHA7>

Last Date: 15.05.2022

Patron /principal

Dr. Shabnoor Siddiqui

Govt. Pt. Shyamacharan Shukla College, Dharsiwa, Raipur

Dr. G. Nag Bhargavi
(Convenor)
GPSSC, Dharsiwa

Dr. Tanmaya Badapanda
(Co-convenor)
CVRGU, Bhubaneshwar

Dr. Nidhi Dewangan
(Co-ordinator)
GPSSC, Dharsiwa

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Program Schedule

Date	Time	Remarks
16.05.2022 (Monday)	12:00PM-12:30PM	Inauguration
	12:30PM-2:00PM	Keynote Address: <i>Speaker- Prof. P K Bajpai, Guru Ghasi Das Central University, Bilaspur</i>
17.05.2022 (Tuesday)	12:00PM-1:30PM	Topic-X-ray diffraction <i>Speaker- Dr. Satya Narayan Tripathy, Sri Sri University, Cuttuck</i>
18.05.2022 (Wednesday)	12:00PM-1:30PM	Topic- Photoluminescence- basics and application <i>Speaker- Dr. Kamal Panday, Sri Jai Narain Mishra PG College (K.K.C.) An Associate College of University of Lucknow</i>
19.05.2022 (Thursday)	12:00PM-1:30PM	Topic- Electron Microscopy <i>Speaker- Dr. Manoranjan Kar, IIT Patna</i>
20.05.2022 (Friday)	12:00PM-1:30PM	Topic- Impedance Spectroscopy <i>Speaker- Prof. S K Rout, BIT Mesra</i>
21.05.2022 (Saturday)	12:00PM-1:30PM	Topic- Thin film deposition & UV-Visible/IR Spectroscopy <i>Speaker- Dr. Ayush Khare, NIT, Raipur</i>
	1:30PM-2:00 PM	Valedictory session

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All registered participants will get Certificate.