

**CRYSTAL GROWTH CENTRE
(UGC - National Facility)
ANNA UNIVERSITY
CHENNAI-25**

Seminar

Speaker : Dr. Pragati Chaturvedi
• **Molecular Spectroscopy & Surface Analysis,**
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Title : Surface Analysis using X-ray Photoelectron Spectroscopy

Abstract

Keywords: XPS, Surface Analysis, Automation, High-Throughput, Compact Size, Avantage Software

Over the past decade, improved instrument reliability and automation have led to broader use of X-ray Photoelectron Spectroscopy (XPS), changing from a specialist technique only performed by dedicated practitioners to a routine analysis tool widespread throughout academia and industry. This webinar provides a brief overview of the underlying theory of XPS and demonstrates a variety of XPS experiments that can be performed to unravel material properties. It presents some case studies of the characterization of alloys, polymers, semiconductors, coatings, catalysts, construction materials, etc., and insights into the technological advancements and the many benefits it provides to the user.

Date : 08.06.2023

Time : 11.00 am

Venue : Crystal Audi, Crystal Growth Centre


DIRECTOR

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