

## Department of Nanoscience & Technology

### One Day Hands-On Training on Synthesis of Nanostructured Materials -II, 2023-24

**Date:** 16<sup>th</sup> August 2023

**Organized by:** Department of Nanoscience and Technology in association with Centre for Scientific Research and Advanced Learning and Department of Biochemistry

**Event:** One Day Hands-On Training on Synthesis of Nanostructured Materials -II, 2023-24

Faculty from the Nanoscience & Technology department led the theoretical and hands-on training sessions.



**Objectives:**

The primary aims of the training were:

- Providing participants with a fundamental understanding of the basic principles of nanostructured materials and their real-world applications.
- Introducing participants to a variety of synthesis techniques utilized in the development of nanostructured materials.
- Facilitating hands-on experience in the synthesis processes, enabling participants to apply these techniques effectively in their individual research and projects.

**Workshop Highlights:****Theoretical Sessions:**

The workshop incorporated extensive theoretical sessions that delved into the fundamental principles of nanostructured materials. This encompassed exploring their distinctive properties, characterization methods, and applications across diverse fields. The primary purpose of these sessions was to establish a robust knowledge foundation for participants, laying the groundwork for subsequent practical applications.

**Hands-On Training:**

Participants actively engaged in hands-on sessions, organized into small groups to facilitate personalized guidance from the staff. These sessions provided a platform for utilizing state-of-the-art equipment and instruments in the synthesis and characterization of nanomaterials. The positive reception of the training program was evident through participant satisfaction with the quality and depth of the content. As a result, workshop attendees left with practical knowledge, hands-on skills, and an enriched understanding of nanostructured materials, empowering them to contribute to cutting-edge research and advancements in the field.

The success of this program has inspired organizers to persist in providing similar hands-on training opportunities, aiming to bridge the gap between theoretical knowledge and practical applications in the dynamic realm of nanotechnology.