



# ***SEMINAR ANNOUNCEMENT***

## **Highlights on Some Techniques for preparation and Investigation of Nanomaterials**

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**Wednesday, 19 Oct 2016, 11-12 PM, ROOM No. 2308**

This lecture presents an overview of different techniques on preparation and investigation of nanomaterials for different applications. It discusses some techniques for preparation of nanomaterials such as pulsed laser ablation, spark discharge, sputtering and thermal plasma in ultrasonic range. It presents the possibility of using microwave techniques

For preparing the nanomaterials. On the other hand, it presents different methods for investigation of nanomaterials such as Scanning Electron Microscope (SEM) attached with Digital Image Processing for determination of particle size, shape and morphology of nanomaterials. It demonstrates SEM attached with Energy Dispersive X-Ray (EDX) spectrometer for nanomaterials analysis. Also, it discusses the possibility of imaging nanomaterials in liquid state with Low Vacuum LV-SEM and special liquid kit attached with SEM in ultra-high vacuum.

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