



POPULAR SCIENCE LECTURE



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Indian Women Scientists' Association Vashi, Navi Mumbai.

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Board of Research in Nuclear Sciences (BRNS) - DAE

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SVKM'S Mithibai College of Arts, Chauhan Institute of Science & Amrutben Jivanlal College of Commerce and Economics (AUTONOMOUS), Vile Parle (West), Mumbai 400 056.

TOPIC : NANOTECHNOLOGY - FROM FUNDAMENTALS TO APPLICATIONS

SPEAKER

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Professor in Materials Chemistry
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ABSTRACT - Nanoscience involves the synthesis and the study of properties of structures which are on a size of 1-100 nm. Over the last few decades, this area of research has become overwhelming and it is important to understand the chemical and physical fundamental aspects that make nanomaterials truly unique. In this talk, I will try and convey some crucial aspects of nanomaterials, starting from (a) what are the basics of the science involved that make these structures so interesting, (b) how to synthesize/fabricate them while maintaining homogeneity and monodispersity, (c) popular methods of characterising these structures and some common mistakes that are found in literature regarding such small materials. Moreover, I will also showcase the manner in which these materials can be utilized in advanced applications and as such what is making them so ubiquitous in our daily lives.

DATE - AUGUST 01, 2023

TIME - 11:30 AM ONWARD

VENUE - SEMINAR HALL, MITHIBAI COLLEGE

ALL ARE CORDIALLY INVITED TO ATTEND