

Higher Education and Research collaboration on Nanomaterials for Clean Energy Technologies (HRNCET) (2017-2021)



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Expert talk under HRNCET Project

Effect of doping on Binary Oxide Nanomaterials

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Abstract of the talk:

Undoped and doped metal oxide semiconductors (ZnO, TiO₂) were synthesized by chemical methods. In this talk, the following characterization of synthesized material such as X-ray diffraction (XRD), Photoluminescence (PL), UV-vis, SEM, TEM and HRTEM will be discussed. The room temperature ferromagnetism studied by vibrating sample magnetometer (VSM)/SQUID will also be discussed.

Venue : Mini-Auditorium (above office of the Dean/Science), Dept. of Physics

Date & time : March 2, 2018 (Friday), 12:00 - 12:45

Target group: Academics, Researchers, Postgraduates and Undergraduates

Brief profile of speaker



Dr. N. Rajamanickam obtained a Bachelor's degree in Physics from the Alagappa University, India and his masters and PhD from the Madurai Kamaraj University, Madurai, India. Now, he is working as SERB – National Postdoctoral Fellow at Gandhigram Rural University, Dindigul, India sponsored by Department of Science, Ministry of Science and Technology India. In 2014, he has selected as a Bhaskara Advanced Solar energy fellowship from IUSSTF, USA and visited Conn center for renewable energy research center, University of Louisville, Louisville, KY, USA for 6 month.

He has published over 18 papers in scientific reputed international journals, 9 AIP proceedings and 1 book chapter. He has also presented more than 36 oral and posters at international and national conferences.