



DCT's
Dhempe College of Arts and Science
Miramar, Goa

**Two Day “International Conference on Nano-materials for Environmental Application
(NEA 2019)” in collaboration with Meijo University, Nagoya Japan Department of
Science Technology**

Two day International Conference on Nano-materials for Environmental Applications (NEA-2019) was organized by DCT's Dhempe College of Arts and Science, Miramar, Goa on 6/3/2019 and 7/3/2019 at Goa Science Centre, Miramar. The Conference focused on the research activities pursued by researchers in India and abroad on Nano-materials and their environmental applications. The Conference was sponsored by Meijo university, Japan, Dempo Charities Trust, Directorate of Science & Technology Goa.

The Conference received huge response of research papers by researchers from esteemed institutions like IITs, BITs, Japan, America, Bangladesh, Nepal. The conference received an overwhelming response with 53 abstracts. After reviewing the abstracts by the review committee 18 abstracts were selected for oral presentations and 31 for poster presentations. 27 institutions participated in the above conference. 11 resource persons were invited as guest speakers.

The International Conference was inaugurated in presence of the Prof. Varun Sahini, Vice Chancellor, Goa University, Guest of Honour and Key note speaker Prof. Takahiro Maruyama, Meijo University, Japan, Shri. Shrinivas Dempo, Chairman of Dempo Charities Trust.

Following resource persons presented their papers for the conference:

- Prof. Takahiro Maruyama from Meijo University, Japan on “Nanomaterial research towards environmental applications”
- Prof. Satish Ogale from Dept. of Physics and Centre for Energy Science, IISER Pune On “Designing New Nanomaterials and Architectures for Clean Energy and Environmental Applications”.
- Prof. Haram of the National Centre for Nanoscience and Nanotechnology, Mumbai University on “Electrochemical Investigations of CZTS Nanocrystals and its Analogues for Solar Cell Applications”.
- Dr. Md. Abu Bin Hasan Susan of University of Dhaka, Bangladesh on “Tuning Size and Distribution of Polymer Nanocomposites by using Water in Oil Micro-emulsion”.
- Prof. Dharendra Bahadur of Materials Science and Engineering, IIT Goa on “Thermo-chemotherapy for cancer through nanohybrids”.
- Prof. Narendra Nath Ghosh of Dept of Chemistry, BITS Pilani, K.K. Birla Campus, Goa on “Novel Synthetic methodologies for preparation of varieties of nanostructures material and their applications”
- The Skype talk was delivered by Prof. Rongchao Jin, Dept of Chemistry, Carnegie Mellon University, USA on “Towards Atomic Precision in Nanoscience”.
- Prof. K.S. Rane, currently working at Rani Channamma University, Belgavi. He spoke on “Revisiting MoO₃ system: N-doped catalysts”.
- Dr. Mahua Saha, Senior Scientist at NIO, Goa. She spoke on the topic “Characterization and quantification of primary micro/nanoplastics in personal care

products and washing effluents in Goa, India”.

- Prof. Rameshwar Adhikari of Tribhuvan University, Kathmandu, Nepal on “Environmental Friendly Fabrication of Nanomaterials for Biomedical Applications”.

- Dr. S.R. Dharwadkar from Bhabha Atomic Research Centre on “Microwave Assisted Solid State Synthesis of Advanced Technical Ceramics”.

A parallel session was organized to the M.Sc. students all over Goa at the College.

125 students from 5 different colleges interacted with Prof. Takahiro Maruyama and other resource persons and gained knowledge about the on-going research work and the methodology used.

The Oral presentations were judged by Prof. P.R. Sarode, Prof. K.S. Rane and Prof. Susan Hasan. The posters were evaluated by Prof. K.S. Rane, Prof. P.R. Sarode and Dr.

Mahua Saha. The first prize for oral presentation was awarded to Ms. Priyanka Makkar of BITS Pilani, Goa.



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