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## Recent Trends on Smart Nanomaterials and its Diversified Applications

### Resource Persons :

- Prof. Joice Sophia P, Bharathiar University, Coimbatore
- Dr. Jayamurugan Govindasamy, Institute of Nano Science and Technology, Mohali
- Dr. Mukannan Arivanandhan, Anna University, Chennai
- Dr. Sudarshana Deepa, National Institute of Technology, Tadepalligudem
- Dr. Sathish Marappan, CSIR-CERI, Karaikudi
- Dr. T. Prakash, University of Madras, Chennai
- Dr. Garima Agarwal, Indian Institute of Technology, Mandi
- Dr. Rajesh Kumar Shanmugam, Saveetha Dental College and Hospitals, Chennai
- Dr. Ashif Khan Shanavas, INST, Mohali
- Dr. Sambandam Anand, National Institute of Technology, Tiruchirappalli
- Dr. Durgalakshmi Dhinasekaran, Anna University, Chennai
- Dr. Jatish Kumar, IISER, Tripati
- Dr. N. Vasimalai, B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai
- Dr. K.J. Sankaran, CSIR-Institute of Minerals and Materials Technology, Bhubaneswar
- Dr. Sangita Roy, Institute of Nano Science and Technology, Mohali
- Dr. Rajasekaran Gopal, NIT, Trichy
- Dr. G. Bhagavannarayana, CSIR NPL, New Delhi
- Dr. Sanyasinaidu Boddu, Institute of Nano Science and Technology, Mohali
- Dr. D. Harnath, National Institute of Technology, Warangal
- Dr. P.S. Vijayakumar, Institute of Nano Science and Technology, Mohali
- Dr. Thirugnasambandam G. Manivasagam, Amrita University, Coimbatore

### Discussion Points :

- Novel Strategies for Printed and Wearable 2D materials based Devices-
- The Synergism of Nanotechnology and Smartness in Functional Organic Nanomaterials
- Nanostructured thermoelectric materials for energy harvesting from waste heat
- Nanobiotranslational Research- A review on its Scope
- Nanostructured carbon-based materials for electrochemical energy storage
- Voltage tunable dielectric properties of oxides at nanoscale
- Smart Polymers and Nano/Micro-Materials for Targeted Applications
- Biomedical Applications of Nano based products
- Nano-enabled drug delivery and hyperthermia approaches for cancer management
- Chemistry towards Nanotechnology and its Applications
- Biomedical applications of Nanoscale materials
- Recent Advances in Chiral Nanomaterials
- Synthesis and Biomedical Applications
- A Facile synthesis of highly red fluorescent gold nanodots as sensing probe for environmental toxins
- Development of diamond-based hybrid materials for field electron emitters and microplasma cathode application
- Effects of Defects on Mechanical Properties of Graphene using MD Simulation
- Analytical Techniques for Characterization of Nanomaterials and their structures
- Synthesis of Lanthanide Ions Doped Nanomaterials for Anti-counterfeiting and Latent Fingerprint Development
- Smart Materials and Devices Inspired by Nature-nanotechnology in food and agriculture
- Development of materials for energy storage and conversion

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