



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(Deemed to be University)



Centre for Waste Management
Centre of Excellence for Energy Research &
Centre for Nanoscience and Nanotechnology



Organise

One Day Training cum Workshop on Spectrum Acquisition and Interpretation - Solid State NMR and ATR FT-IR Spectroscopy

DATE: APRIL ,13 2024

TIME: 9 AM TO 3 PM ,

VENUE : NEXTGEN LAB, INTERNATIONAL RESEARCH CENTRE

Centre for Waste Management, Centre of Excellence for Energy Research has a vision to innovate new ideas and technologies towards achieving the cleaner, greener and sustainable environment. The Centre since its inception has been involved in research leading to innovative products, developing patent liable novel ideas in Waste Management, publishing the experimental outcomes in indexed/peer reviewed journals, training graduate students, offering consultancy services and involves in several outreach activities in transferring the research findings for societal benefits. Centre for Nanoscience and Nanotechnology involves in the development and characterization of nanomaterials for wide range of applications including energy, environment and medicine.

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Dr.Dawn SS, Professor (Research)

Conveners

Dr.Sivasakthi M, Assistant Professor (Research)
Dr. S. Sanjeevi Prasath, Assistant Professor (Research)

Co-Conveners

Dr R Sathish Kumar, Associate Professor (Research)
Dr.J Arun, Assistant Professor (Research)
Dr.N Nirmala, Assistant Professor (Research)
Dr.P Priyadharsini, Scientific Assistant
S V Sivasankari, Project Associate

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Target Audience:

Academicians, UG and PG students, Research Scholars, Faculty members of Engineering/Material science background and the researchers working the following areas

- Geopolymer/Cementitious materials
- Biofuels
- Biomass
- Biomedical and Pharmaceutical applications

Highlights

It would be an unique opportunity for researchers dealing with different materials and related inorganic chemistry fields to update information regarding material characterization techniques especially solid state NMR interpretation.

It helps to understand the FT-IR Instrument via demonstration.

It helps to connect the composition, structure and property of different materials. It also helpful for the interpretation and analysis of NMR and FT-IR data and multiple peak fit by Lorentz and Gaussian peak functions via demonstration.

Takeaways

Useful for the interpretation of the MAS-NMR and FT-IR data towards high impact paper writing.

Website: <https://www.centreforwastemanagement.com/>
<https://centrefornanotechnology.com/>