



# 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: September 14, 2024

TIME: 9 AM TO 3 PM

VENUE : NEXTGEN LAB, INTERNATIONAL RESEARCH CENTRE

Centre for Waste Management and Centre of Excellence for Energy Research has a vision 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 Nano science and Nanotechnology involves in the development and characterization of nanomaterials for wide range of applications including energy, environment and medicine.

### **Patrons**

Dr. Mariazeena Johnson, Chancellor  
Dr. Marie Johnson, President  
Mr. J. Arul Selvan, Vice President  
Mrs. Maria Bernadette Tamarasi, Vice President  
Ms. Maria Catherina Jayapriya, Vice President  
Dr. T. Sasipraba, Vice Chancellor

### **Organizing Secretary**

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, Assistant Professor (Research)  
Ms. S. V. Siva Shankari, Project Associate - I

**Contact Information** Centre for Waste  
Management-IRC, Sathyabama Institute of  
Science and Technology Jeppiaar Nagar , Rajiv  
Gandhi Salai Chennai- 600 119, Tamil Nadu,  
India. Mobile : Dr. Sivasakthi M (+91 8807593688)

### **Registration Details:**

Registration Fee : INR 750

### **Account Details:**

Account Name: Dean (Publications and Conferences),  
Sathyabama Institute of Science and Technology,

Account No : 891734627

IFSC Code : IDIB000T020 (Thousand Lights Branch )

Branch Code : 098,

Bank Name : Indian Bank

**The same account can be used for GPay Transaction also.**

To Register : Click Here

### **Target Audience:**

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

- Biofuels
- Biomass
- Biomedical , Pharmaceutical applications  
Food Industry Applications
- Geopolymer/Cementitious materials.
- Nano materials/ Industrial Materials

### **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/>