



# Centre for Thermal Management

Dr. A. Saranya

Associate Professor-Physics

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**Dr. A. Saranya** is expertise in spans of Green nanomaterials and composites in Energy storage, Thin film technology, Therapeutical applications, Supercapacitors and Additive manufacturing based heat sinks. With a growing academic footprint, she has authored 41 research publications in Q1 and Q2 Journals. Notable publications are in Journal of Energy Storage, Renewable Energy, Case Studies in Thermal Engineering, Thermal Science and Engineering Progress. Her work is widely recognized for its contribution to sustainable nanotechnology and functional material development. She actively collaborates in multidisciplinary projects to develop innovative solutions in optoelectronics and energy-efficient systems. She was awarded best paper award in International conferences in overseas.

## Looking for PhD students to work in the following areas

- Advanced Materials for Supercapacitor Applications
- Additive Manufacturing of Heat Sinks for Cooling Applications
- Energy Storage Systems Using Nanocomposites and Green Synthesis

## Facilities available

- ✓ Muffle furnace, Hot air oven and Spin coating set up
- ✓ Controlled Arduino-based Transient Heat Sink Testing Setup for Thermal Conductivity
- ✓ Other necessary facilities for research activities
- ✓ Free access of research articles in Elsevier journals

## Benefits and opportunities

- Monthly fellowship of Rs. 25,000/- for three years
- Publication in SCI-indexed high impact journals
- National and International collaborations

## Contact details

### Dr. A. Saranya

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