

## Call for Abstract for Oral and Poster Presentation

The abstract should be made according to the template. The title of the paper should be bold font size 12, names, affiliation and references in Times New Roman font of size 10 and content text should be in Times New Roman 12 font size with 1.5 line spacing. Corresponding author's email ID should be indicated by the asterisk (\*) Abstract should not exceed one page which includes Figures and References. The abstract can be sent to the below email ID with the affiliation details.

[sivasakthi.irc@sathyabama.ac.in](mailto:sivasakthi.irc@sathyabama.ac.in).

### Important Dates

Abstract submission deadline: 01-04-2024

Notification of acceptance: 08-04-2024

Last date of registration : 15-04-2024

### Registration Fee

UG, PG Students /Research Scholar: ₹ 300

Faculty : ₹ 500.

[Registration Link](#)

**Best Paper Award for the selected oral/poster presentation.**

### ACCOUNT DETAILS:

ACCOUNT NAME: VICE CHANCELLOR,  
SATHYABAMA INSTITUTE OF SCIENCE  
AND TECHNOLOGY

ACCOUNT NO: 6500955039

IFSC:IDIB000S201

(AVAILABLE FOR ALL TYPE OF  
TRANSACTIONS)

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Ms. J. Merlin, Research Scholar

### Venue:

Presentation Hall,  
International Research Centre,

URL: [www.centreforwastemanagement.com](http://www.centreforwastemanagement.com)



**SATHYABAMA**  
**INSTITUTE OF SCIENCE AND**  
**TECHNOLOGY**  
(Deemed to be University)



**Centre for Waste Management**



**in association with**  
**Carbon Craft**



**Organises**

**One Day National Conference on**  
**Low Carbon Materials for**  
**Environmental Sustainability-**  
**CarES 2024**

**Harmony in Innovation**



**Commemorating World Earth Day**

**APRIL 22, 2024**



**For More Details: Dr Sivasakthi M, Email: [sivasakthi.irc@sathyabama.ac.in](mailto:sivasakthi.irc@sathyabama.ac.in) ; Mob: +91 8807593688**  
**Contact for Assistance: Ms S V Siva Shankari, (Mob: +91 9843799540)**

## About the Institute

Sathyabama is a prestigious institution which excels in the fields of Engineering, Science and Technology for more than three successful decades. It offers multi-disciplinary academic programmes in various fields of Engineering, Science, Technology, law, Dental Science, Pharmacy, Nursing, Management, Arts and Science and Allied Health Sciences. It is established under Sec.3 of UGC Act, 1956 and has been Accredited with 'A ++' Grade by the National Accreditation and Assessment council. The Institution persistently seeks and adopts innovative methods to improve the quality of higher education and is responsive to the changes taking place in the field of education on a global scale. The Institution has a team of dynamic and outstanding faculty, innovative pedagogical practices, state of the art infrastructure and world class Research Facilities. Sathyabama has thus emerged as a leading Institution achieving excellence in higher education international standards owing to its research and academic excellence.

## About the Centre

Centre for Waste Management, Centre of Excellence for Energy Research established in 2011 has a vision to innovate new ideas and technologies towards achieving the cleaner, greener and sustainable environment. The Centre since its inception in 2011 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. For commemorating the **World Earth Day** our centre has planned to conduct this one day conference **CarES 2024**

## About the CarES 2024



The theme for the one-day national conference on low carbon materials aims to foster discussions and collaborations that revolve around the pivotal role of innovative materials in achieving a sustainable environment. The conference will provide a platform for experts, researchers, and industry leaders to share insights, exchange ideas, and explore cutting-edge developments in the realm of low carbon materials. The conference aims to inspire and mobilize stakeholders toward a collective effort in promoting low carbon materials, contributing to the global transition to a more sustainable and environmentally friendly future.

### Key Topics:

1. Advancements in Low Carbon Material Science:
  - Novel materials with reduced carbon footprint
  - Sustainable sourcing and production techniques
  - Breakthroughs in recycling and up-cycling technologies
2. Applications of Low Carbon Materials in Various Industries:
  - Green construction materials
  - Eco-friendly packaging solutions
  - Energy-efficient transportation materials
3. Environmental Impact Assessment and Life Cycle Analysis:
  - Carbon accounting methodologies for materials
  - Case studies on successful implementations
4. Policy and Regulation for Sustainable Material Usage
5. Innovative Technologies for Low Carbon Materials Production:
  - Sustainable manufacturing processes
  - Integration of artificial intelligence in material design
  - Technological breakthroughs in reducing carbon emissions



### 6. Circular Economy and Material Efficiency:

- Design principles for circularity
- Implementing closed-loop systems
- Circular business models

## Speakers of the Conference



**Dr. P. Nagaraaj,**  
Assistant Professor (Sr.Gr),  
Department of Chemistry,  
Anna University, Chennai,  
Tamil Nadu



**Mr. Tajuddin A**  
Research Engineer,  
Carbon Craft,  
Hubli, Karnataka

## Advisory Committee Members

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- |                        |  |
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- |                            |                     |
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