

## Scope

Sustainable energy technologies and the circular economy represent a powerful synergy essential for decoupling economic growth from environmental degradation. While sustainable technologies—such as solar photovoltaics, wind turbines, and next-generation energy storage—provide the clean electrons needed to power our world, the circular economy ensures that the physical components of these systems remain in a closed loop. This dual approach moves beyond a "take-make-waste" industrial model, focusing instead on resource recovery, life-cycle sustainability, and the regeneration of natural systems. By integrating advanced recycling methods with modular design and energy-efficient manufacturing, we can minimize the carbon footprint of the energy transition itself, ensuring that the solutions of today do not become the waste challenges of tomorrow.



## Registration Details

We invite researchers, academicians, and students to join this prestigious gathering. Please refer to the fee structure below:

Participant Category	Registration Fee
Academics / Researchers	1000 INR
Students	500 INR
Foreign Participants	100 USD

### Bank Account Details

Account Holder: Director, NIIST (CSIR), Trivandrum  
Account Number: 67047723825  
IFSC: SBIN0070030  
Bank Name: State Bank of India  
Branch: Pappanamcode, Trivandrum -695019  
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## Contact Us



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CSIR - National Institute for Interdisciplinary Science and Technology (NIIST) Council of Scientific and Industrial Research (CSIR), Ministry of Science and Technology, Government of India Industrial Estate PO, Thiruvananthapuram, India



### Registration

January 23<sup>rd</sup>, 2026  
Onwards



CSIR NIIST - SCIENCE TOKYO

JOINT SYMPOSIUM

NOVEL FUNCTIONAL MATERIALS FOR  
ENERGY AND ENVIRONMENT

11<sup>TH</sup> FEBRUARY 2026

CSIR-National Institute for Interdisciplinary Science and  
Technology (NIIST), Thiruvananthapuram, India



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# About the Organizers

## CSIR-NIIST, India

The National Institute for Interdisciplinary Science and Technology (NIIST), a constituent laboratory of the Council of Scientific and Industrial Research (CSIR), is a premier R&D hub in Kerala. NIIST is globally recognized for its excellence in sustainable energy technologies, advanced materials, and environmental engineering. The institute focuses on bridging the gap between fundamental research and industrial application, particularly in areas like solar energy, waste-to-wealth, and functional ceramics.



## Institute of Science Tokyo, Japan

The Institute of Science Tokyo is a leading research-intensive university in Japan, known for excellence in science, engineering, and interdisciplinary research. Formed through the integration of Tokyo Institute of Technology and Tokyo Medical and Dental University, it combines strengths in physical sciences, engineering, life sciences, and medical research, with a strong focus on translating fundamental research into solutions for societal and industrial challenges.

## Patrons

- **Dr. C Anandharamakrishnan**, Director, CSIR-NIIST
- **Prof. Takeo Yamaguchi**, Director, Laboratory for Chemistry and Life sciences, IIR, Institute of Science, Tokyo, Japan

## Speakers

### Plenary Speaker



#### Prof. Takeo Yamaguchi

Director, Laboratory for Chemistry and Life sciences, IIR  
Institute of Science Tokyo, Japan

### Session Chair



#### Dr. Sreekumar Kurungot

Chief Scientist, CSIR-NCL, Pune

### Invited Speakers



#### Dr. Vinod C. Prabhakaran

Chief Scientist, CSIR-NCL, Pune



#### Dr. Sailaja G S

Professor, CUSAT, Kochi



#### Dr. M. U. Sreekuttan

Scientist, CSIR-CECRI, Karaikudi



#### Dr. Sreekanth N

Assistant Professor, Institute of Science Tokyo, Japan



#### Dr. Dhavale Vishal Mahesh

Scientist, CSIR-CECRI, Karaikudi



#### Dr. Biswapriya Deb

Chief Scientist, CSIR-NIIST,  
Thiruvananthapuram



#### Dr. Vijayakumar Chakkooth

Senior Principal Scientist, CSIR-NIIST,  
Thiruvananthapuram

# Technical Program Schedule

Venue: CSIR-NIIST Main Auditorium

## Session I: Inaugural Function

09:30 AM: Welcome Address – Convenor, CSIR-Science Tokyo Symposium

09:35 AM: Presidential Address:

Dr. C Anandharamakrishnan, Director, CSIR-NIIST

09:45 AM: Inaugural Address:

Prof. Takeo Yamaguchi, Director, IIR, Institute of Science, Tokyo, Japan

09:55 AM: Vote of Thanks – Organizing Secretary

10:00 AM – 10:45 AM:

Plenary Lecture Prof. Takeo Yamaguchi

10:45 AM – 11:15 AM: High Tea & Networking

## Session II: Technical Session - I

11:15 AM – 11:45 AM: Invited Talk 1

11:50 AM – 12:20 PM Invited Talk 2

12:25 PM – 12:55 PM: Invited Talk 3

01:00 PM – 02:00 PM: Lunch Break

## Session III: Technical Session - II

02:00 PM – 02:30 PM: Invited Talk 4

02:30 PM – 03:00 PM: Invited Talk 5

03:00 PM – 03:15 PM: Tea Break

## Session IV: Technical Session - III

03:15 PM – 03:45 PM: Invited Talk 6

03:50 PM – 04:20 PM: Invited Talk 7

04:30 PM – 05:30 PM: Oral Presentation (Students)

## Session V: Concluding Session

05:30 PM: Valedictory Function