

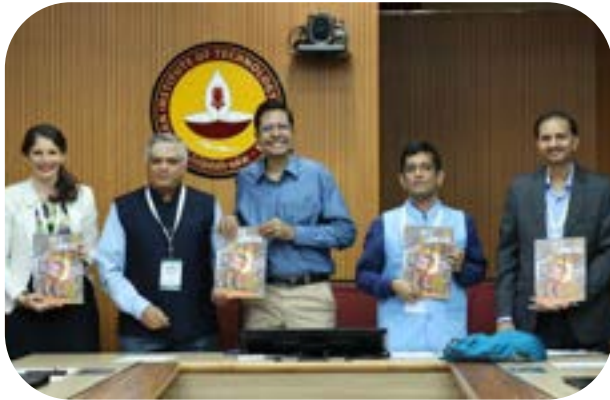


Quarter at A Glance

December 2023-March 2024

- Teaching Sustainability in Creative Ways
- Conducting Integrated & Actionable Research
- Making an Impact through Implementation & Policy

Events



The Energy Summit December 5-8, 2023

Timely dialogues among global thought leaders & experts on emerging technologies for a low-carbon future

[Special Issue here](#)

TLC2 International Workshop January 28-31, 2024

3rd edition of researchers' meet for advancement & application of Low-Carbon & Lean Construction technologies

[Associated Newsletter here](#)



National CSR Summit February 17, 2024

Powered interactions with industry, Public Sector Undertakings, corporate firms & business leaders hailed from across the country



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Events



Green Hydrogen Microgrid Lab February 21, 2024

The state-of-the-art facility for innovating clean energy technologies launched on the UNESCO World Engineering Day for Sustainable Development

UN GCNI National Convention February 23, 2024

Multi-stakeholder partner event with invested conversations on climate action, water resilience, sustainable financing & living wage for Forward Faster 2030



World Water Day Celebration March 22, 2024

CitizenScience4Water initiative nurturing students, residents & community leaders as scientific liaisons for the wellbeing of water bodies in Chennai

Solve the SDGs Hackathon March 22-24, 2024

Biggest hackathon in India drawing 500+ international participants innovating sustainability solutions interlinked with 17 SDGs within 48 hours



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Projects

Meet Sustainability Grant 2023 Awardees!!!

Affordable & Portable Instrumentation for Robust Monitoring of Methane Emissions in Urban Micro-environments



Feasibility Study of “Zein”, A Byproduct of Food Processing for Industrial Decarbonization

Chemo-microbial Upgradation of Waste Plastics to Platform Chemicals



Climate Action Tool (CAT) for Modeling Industrial Decarbonization

Developing Digital twins for Evaluating Technology Options & Optimising Centralized & Decentralized Wastewater Treatment Integrated with Outfalls in Water Bodies



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Select Scholarly Writing & Speaking

Ashwin Mahalingam

January 9, 2024

Academia for Livable Planet: Deep Dive into School of Sustainability



Venkataratnam G.

January 18, 2024

Manufacturing Space Cooling Technologies
Discussion Panel, Consultation Workshop



5TH
ENERGY FINANCE
CONFERENCE, INDIA, 2023

DECARBONISING
THE ENERGY SECTOR

**Indumathi Nambi, Sathyanarayanan Seshadri, Charuta Kulkarni,
Rajnish Kumar**

January 18-19, 2024

Ravi Kumar

January 21-24, 2024

Electrocatalytic potential of self-supported
tantalum-based nitrides &
compositionally complex ceramics



In the Media



Technology developed with German collaboration installed for trial at Tiruppur to treat textile effluents

Published/Updated - December 01, 2023 21:29 IST
THE HINDU BUREAU



[Read in The Hindu](#)

Plastic recycling technique offers hope for a sustainable future



[Read in The Week](#)



[Read here](#)

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Meet the Team



Prof Rajnish Kumar



Role in SS: Associate Dean, Faculty

A bit on the genesis of SS: With IITM faculty tackling various environmental challenges that are inherently cross-cutting across disciplines, there was always a need for building an interdisciplinary synergistic space. The mission became more apparent as multiple conversations among the IITM leadership & local-global engagements including those with industries & government officials, continued to converge into “how to action

Sustainability” & IITM’s capability in capacity building through pedagogy, research, & dialogues. The result was a series of open houses and workshops that drew as many as 45 faculty members, followed by a dedicated town hall and finally, the official launch of the SS in October 2023.

Vision for the SS: First and foremost, the SS is here to educate an array of populations including students, industries, policymakers, and the public. While transpiring as a Global South hub for knowledge development and multi-level stakeholder engagement, the SS is determined to achieve holistic and lasting impact nationally and globally. The immediate goal for the SS is to become self-sustaining with a unique governance model balancing between conventional and unconventional. It will allow SS to emerge as a collegial workspace supportive of scientific advancements and their real-world application rooted in multi-dimensional yet contextual thinking of Sustainability.

Upcoming Activities



giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

Floating Photovoltaics Roundtable
3 May, 2024



14-16 June, 2024
**Symposium: Learning
from the past to inform
landscape management
for conservation**



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