



TECHNOLOGIES FOR A BETTER TOMORROW

A CSR Bulletin by IIT Madras

A FOCUS ON CO2 SEQUESTRATION

IIT Madras is elated to share that Professor Rajnish Kumar was honoured with the **Shanti Swarup Bhatnagar Award** in Engineering in 2022. It is one of the **highest multidisciplinary science** awards in India in recognition of outstanding work in science and technology.

In an effort to tackle the increasing levels of CO2 emissions, Prof. Rajnish Kumar has dedicated his **research to carbon dioxide sequestration**. This process involves returning carbon to the Earth. It's noteworthy that before the industrialization era, CO2 emissions were below 300 ppm, but over the past century, they have surged to 420 ppm, with predictions indicating a potential increase to 1000 ppm in the future.



Get in touch with us to partner with such initiatives that pave the way for a greener, more sustainable future harnessing the power of cutting-edge technology under CSR.

CSR PROJECT SHOWCASE



THE HEALTHCARE TECHNOLOGY INNOVATION CENTRE (HTIC)

Technology solutions for unmet healthcare needs

Healthcare Technology Innovation Centre (HTIC) is a multi-disciplinary R&D centre, a joint initiative of IIT Madras and the Department of Biotechnology (DBT), Government of India that brings together technologists, engineers, doctors and healthcare professionals, industry, and government to develop healthcare technologies for the country.

The **only med-tech platform in the country** with a unique combination of R&D, innovation, clinical validation, technology commercialization, incubation, and entrepreneurship. **HTIC has an outstanding record** of successfully translating new technology for on-ground impact touching over **10+ million patients** through real-world products and solutions.

Collaboration Opportunities: The initiative has been adopted by various leading Corporates under their CSR. Please get in touch to explore CSR synergies.

CSR SPOTLIGHT AGRI-TRANSPORT SYSTEM

Green Innovations in the area of transportation of people and produce.

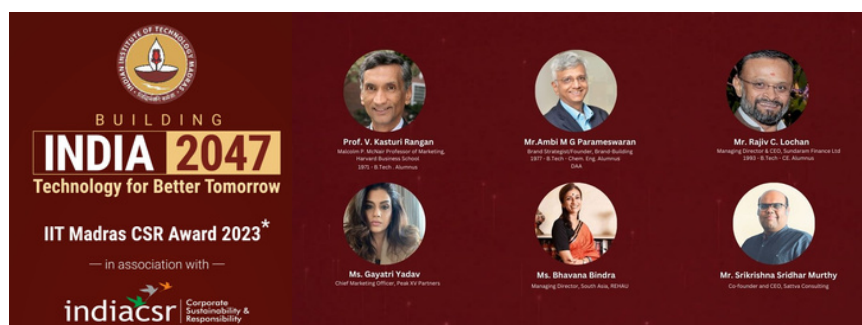


India's farm mechanisation is 40% which is significantly low compared to developed nations at 90%. To boost productivity without increasing costs, India must promote and adopt suitable technology, particularly in post-harvest processes, which are time-bound and require speed and precision to fetch viable market prices.

To address the logistical challenges involved in dealing with perishable farm produce, **IITM** has devised ways of **transporting crops from the field to the collection point** - with a **monorail-based design that is more effective**.

Interested companies are invited to get in touch for CSR collaborations.

NEWS AND EVENTS



Grand Jury Reveal IIT MADRAS CSR AWARD 2023

'Focusing on the theme of **'Technology-Driven Social Impact'**, the award will recognize companies that have enabled technological solutions that address prevailing societal challenges through scalable & sustainable solutions via CSR. Top corporates and their CSR foundation arms have sent their impactful projects across various themes for the award.

The Awardees have been shortlisted across three stages of evaluation, with the final selection by a distinguished Grand Jury Panel comprising Prof. Kasturi 'Kash' Rangan, Malcolm P. McNair Professor of Marketing, Malcolm, Harvard Business School; Mr. Ambi M G Parameswaran, Brand Strategist/Founder, Brand-Building; Mr. Rajiv C. Lochan, Managing Director & CEO, Sundaram Finance Ltd; Ms. Gayatri Yadav, Chief Marketing Officer, Peak XV Partners; Ms. Bhavana Bindra, Managing Director, South Asia, REHAU; and Mr. Srikrishna Sridhar Murthy, Co-founder and CEO, Sattva Consulting.

TESTIMONIAL

From the very beginning, IIT Madras demonstrated a deep understanding of the Climate Action - Research & Development projects. We are grateful for their invaluable contribution for "Development of a 250 W Compact Polymer Electrolyte Membrane (PEM) Fuel Cell Stack" for larger social good. They worked collaboratively for providing valuable insights and expertise throughout the project lifecycle. They were always available and responsive to our queries, and they addressed any challenges that arose promptly and efficiently. We are extremely grateful for the partnership with IIT Madras and look forward to working with them again in the future.

MR. YOGESH KAPSE

HEAD OF CSR, SCHAEFFLER INDIA



WE WOULD LOVE TO HEAR FROM YOU!

We trust you enjoyed perusing our CSR Newsletter Bulletin! Do get in touch and let us know your thoughts. We look forward to hearing from you!



An initiative by the **Office of Institutional Advancement, IIT Madras**



csrpartner@ia.iitm.ac.in