

## **Report on Innovation Bootcamp and Technology Showcase for the Sustainability of the Biosphere**

**February 12-13, 2025**

The Department of Biotechnology at SRM Institute of Science and Technology, Kattankulathur, in association with Tamil Nadu State Council for Science and Technology (TNSCST) and Tamil Nadu Integrated Waste Management (TIWM) Association recently hosted a groundbreaking two-day program "Innovation Bootcamp and Technology Showcase for the Sustainability of the Biosphere" took place on February 12-13, 2025, bringing together 80 students from various schools and colleges to showcase innovative solutions for environmental challenges.

The event, organized in collaboration with the Tamil Nadu State Council for Science and Technology and Tamil Nadu Integrated Waste Management Association, featured a lineup of distinguished speakers who shared valuable insights on pressing environmental issues. Mr. S. Mani, Advisor at Chola MS Risk Services, emphasized the importance of resource conservation and the circular economy in reducing waste. Dr. G. Sekaran, Former Chief Scientist at CSIR-Central Leather Research Institute, stressed the urgency of developing cutting-edge technologies for treating industrial discharges with high pollutant loads.

Prof. B. Neppolian, Dean of Research at SRMIST, highlighted the potential of green hydrogen as a future energy solution, while Dr. Shankar Congeevaram, CEO of TIWM, addressed real-world environmental challenges such as the contamination of the Noyyal River and Ranipet groundwater. Dr. T. Rajesh from CSIR-NEERI presented algal-based wastewater treatment methods for reducing high COD and BOD levels, and Dr. Venkatesh from Zemblance Hydrocarbons discussed underground coal gasification as a safer approach to hydrogen production.

Dr. Vijayakumar, General Manager at Kemin Industries, elaborated on the Sustainable Development Goals and industries' responsibility in reducing CO<sub>2</sub> emissions. The event concluded with Mr. N. Nagendran, CEO of Srinivas Management Services, sharing his experience in converting waste from 400 Chennai hotels into Bio-CNG, emphasizing circular economy principles.

This program showcased the incredible potential of young minds in addressing critical sustainability challenges. The diverse range of innovative concepts and technologies presented by participants demonstrates a promising future for environmental protection and sustainable development. As we move forward, the knowledge gained and innovative ideas shared during this bootcamp will undoubtedly contribute to shaping future leaders in sustainability, emphasizing the pressing need for innovation in solving real-world environmental problems.

LinkedIn: [https://www.linkedin.com/posts/srm-dbt-ktk\\_department-of-biotechnology-srmist-at-srm-ugcPost-7297175178269114370-upWX?utm\\_source=share&utm\\_medium=member\\_desktop&rcm=ACoAAAVGyxYBx9GT2yk5zPD9tqgyfMHOgSwXRhk](https://www.linkedin.com/posts/srm-dbt-ktk_department-of-biotechnology-srmist-at-srm-ugcPost-7297175178269114370-upWX?utm_source=share&utm_medium=member_desktop&rcm=ACoAAAVGyxYBx9GT2yk5zPD9tqgyfMHOgSwXRhk)

Youtube: <https://www.youtube.com/watch?v=EaVMiQ0SgoY>

Webpage: <https://www.srmist.edu.in/events/tsbs-2025/>













