

EIACP (PC-RP), DEPARTMENT OF ENVIRONMENTAL SCIENCE & ENGINEERING

INDIAN INSTITUTE OF TECHNOLOGY (ISM) DHANBAD

As a part of Centenary Celebration Organizes Mission LiFE Keynote Lecture Series [2024-25]

INTEGRATIVE APPROACHES TO SUSTAINABLE DEVELOPMENT: INNOVATIONS, CHALLENGES, AND SOLUTIONS

INVITED KEYNOTE SPEAKER

**DR. PARTHA CHAKRABARTY**

Managing Director,  
Rigel Bio Environ Solutions Pvt. Ltd.,  
Kolkata, India.

Experience in: Waste & Wastewater Treatment, Recycle & Reuse,  
Waste to energy, Valorization of Wastes to Wealth, Gas Cleaning.



TOPIC

**WASTE TO WEALTH INITIATIVE:**

**CONVERTING WASTE ORGANICS TO VALUABLE  
POLYHYDROXYALKANOATES (PHAs) BIOPLASTIC,  
BIO-CNG, BIODERIVATIVES VIA COST EFFECTIVE  
TECHNIQUES.**

ABOUT THE LECTURE

This keynote lecture will address major global issues of protecting natural ecosystem from mounting organic pollutants by conversion into high-end value added products – PHA bioplastic, biofuel and bio-derivatives, with reduced cost of bioplastic, slashing import, produce biofuel from wide range of waste source to replace fossil fuel at reduced price.

ORGANIZING COMMITTEE MEMBERS



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IIT (ISM) DHANBAD



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IIT (ISM) DHANBAD



Prof. SURESH PANDIAN E.  
ASSOC. PROFESSOR, DEPT. OF ESE  
AND CO-COORDINATOR, EIACP (PC-RP)  
IIT (ISM) DHANBAD

26<sup>th</sup>  
February 2024



From 12:00 PM  
to 1:30 PM



GJLT, IIT (ISM)  
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