

Plastics through the lens of Sustainability, Expert Talk by Mr. Swapan Kumar Ray


IIT Palakkad Unnat Bharat Abhiyan Cell organised an expert talk on Plastics through the lens of Sustainability by Mr. Swapan Kumar Ray on 06 January 2022, Thursday at 03:00 pm. The abstract of the talk is as follows:

While sustainability, as a concept, has its root in the past, the narrative has swiftly moved centerstage at the dawn of this century. The trigger had been significant changes in our ecosystems impacting all life forms. Accelerating demand for different materials to meet the needs of a more affluent and growing population is pushing societies on an apparently unsustainable trajectory. In this context, plastic paradoxically plays a benign role.

Plastics are new generation materials; a wide range with highly tune-able property profile. However, their usages are often perceived to be adversarial to the environment. This possibly is due to our limited understanding of this new generation of materials. While demand for plastic keeps rising to support the needs of a growing population with higher affluence, the waste generated has logically drawn the attention of regulators and public at large across the globe.


A related concern is the feedstocks for production of plastics. These are predominantly fossilized hydrocarbons in the form of crude oil and natural gas. The focus would be on responsible management of plastic waste and explore pathways towards circular economy which aspires to keep plastics within the system. These address the twin objective of reducing pressure on non-renewable resources to produce plastics as well as management of waste. In this session various recycling technologies and plastic waste management systems would be explored.

It was an attempt to view plastics through the lens of sustainability.



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Plastics Through The Lens of Sustainability
Expert Talk by: - Mr. Swapan Kumar Ray
06 January 2022, Thursday at 03:00 pm

<p>Meeting details Platform: Zoom Meeting ID: 912 2628 0586 Passcode: 887990</p>	<p>Moderator Dr. Praveena Gangadharan, Assistant Professor Civil Engineering</p>
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Abstract of the session

Plastics are new generation materials; a wide range with highly tune-able property profile. However, their usages are often perceived to be adversarial to the environment. This possibly is due to our limited understanding of this new generation of materials. While demand for plastic keeps rising to support the needs of a growing population with higher affluence, the waste generated has logically drawn the attention of regulators and public at large across the globe. In this session various recycling technologies and plastic waste management systems would be explored. It is an attempt to view plastics through the lens of sustainability.



Mr. S K Ray has nearly 45 years of experience in petrochemical industry managing businesses, strategic planning, long-term perspective planning, business developments, corporate affairs, and other related functions. Superannuated from Reliance Industries Limited as Sr. Executive Vice President. At present mentoring a newly formed team on sustainability.

Link: <https://zoom.us/j/93190411910?pwd=RjNobkYrck0zSmJNcHJVaK5IL1pOQT09>