

Dr. Amit Bansiwala, Scientist G and Chair of Environmental Materials and Sustainable Systems, delivered an insightful talk on “Bridging Technology, Policy, and Circularity for Sustainable Critical Mineral Recovery” during the 37th Foundation Day celebration of Jawaharlal Nehru Aluminium Research Development and Design Centre (JNARDDC), Nagpur.

In his address, he emphasized the growing importance of integrating advanced technologies, supportive policy frameworks, and circular economy principles to ensure sustainable recovery of critical minerals. He highlighted how the global transition toward clean energy and advanced manufacturing is intensifying the demand for these minerals, making efficient recovery and resource circularity essential.

Dr. Bansiwala also shared key initiatives and research activities being undertaken at CSIR-National Environmental Engineering Research Institute (CSIR-NEERI) in the domain of critical mineral recovery. These efforts focus on developing sustainable, scalable, and economically viable solutions for extracting valuable elements from diverse waste streams, contributing to both environmental protection and resource security.



