



Interaction on sustainable Lifestyle adoption with students of Lucknow Christian College

14.03.2024

An NBRI-EIACP
Event on Mission
LiFE

On March 14, 2024, NBRI-EIACP held an interactive session with students of Lucknow Christian College about the important topic of "Phytoremediation potential of plants in removing contaminants from soil." This informative session was focused on educating the students about the creative ways in which plants can be used to cleanse contaminated soils, restoring environmental well-being, and encouraging sustainable living practices.



Dr. Anju Patel, the Co-Coordinator of NBRI-EIACP and scientist at CSIR-NBRI, with her vast knowledge in the field of environmental science and phytoremediation, explained how specific plant species have the incredible capacity to break down contaminants found in the soil. With clear explanations and practical examples, she shed light on the processes involved in phytoremediation, such as phytoextraction, Phyto stabilization, and phytodegradation. Dr Sandhya Mishra, post-doctoral fellow at CSIR-NBRI explained how microorganism capable to detoxifying the Cr(VI) and help in reducing Cr(VI) toxicity. Ms. Ekta Gupta Senior Research fellow at CSIR-NBRI, demonstrated the application of FTIR for monitor the vibrations of the functional groups which characterize a molecular structure. This helped the students gain a thorough grasp of the topic.

In addition, the session delved into conversations about sustainability and its crucial role in decreasing carbon footprints. Dr. Patel highlighted the significance of incorporating sustainable practices into our daily lives to address the negative impacts of climate change. She motivated the students to champion sustainability, emphasising the power of individual actions in making a substantial environmental difference.



Overall, the students at Christian College had a valuable opportunity to explore the intriguing field of phytoremediation and sustainability through their interaction.

Around 20 Students also took mission LiFE pledge and selfies at selfie booth.

