



CSIR-Central Building Research Institute Roorkee (Uttarakhand) Scientists and Students Interaction Program 28th August, 2024

On **August 28, 2024**, the **CSIR-Central Building Research Institute (CBRI), Roorkee**, organized a Scientists and Students Interaction Program as part of the Jigyasa 2.0 initiative. The event was focused on "Waste to Wealth" witnessed enthusiastic participation from 160 students accompanied by their faculty members from Anand Swaroop Arya Saraswati Vidya Mandir School, Roorkee, and ABN School, Roorkee. The primary aim of this program was to educate students on the innovative conversion of waste materials into value added building products, while also offering them a deeper insight into CSIR-CBRI's cutting-edge expertise in Building Science and Technology.



The event commenced with a warm welcome address delivered by Mr. Nadeem Ahmad, Chief Scientist and Nodal Officer for the Jigyasa 2.0 program. He provided an introductory overview of the program, highlighting the significance of the Jigyasa initiative in fostering scientific curiosity among students. Following this, Dr. Harpal Singh, Chief Scientist, elaborated on the objectives of the Jigyasa 2.0 initiative, emphasizing its role in sparking interest in building science among the younger

generation. The inauguration session concluded with a vote of thanks proposed by Dr. P.C. Thapliyal, Chief Scientist.



Then, the program continued with a series of insightful lectures. Dr. Soumitra Maiti, Principal Scientist, delivered a comprehensive talk on the theme "Waste to Wealth." His lecture delved into various aspects of waste management, including the classification of waste, the waste management hierarchy, and the potential for industrial waste to be repurposed into building materials.

Dr. Soumitra Maiti's presentation was followed by a lecture from Dr. Hemlata, Senior Scientist, who focused on the conversion of plastic waste and agricultural waste into value-added building products. She provided detailed explanations on how CSIR-CBRI is pioneering the use of waste materials, such as bamboo fibre reinforced composite and wood plastic composite to create sustainable green construction materials. The students remained actively engaged throughout the lectures, posing questions and interacting with the scientists to deepen their understanding.



Following the lecture session, the students and their accompanying faculty members were taken to CSIR-CBRI's exhibition gallery (Ctesiphon). The exhibition showcased a range of innovative technologies developed by the institute, offering the participants a hands-on experience of the practical applications of CSIR-CBRI's research.



The said program was expertly coordinated by Dr. Hemlata, Senior Scientist, with the support of Dr. Tabish Alam, Senior Scientist, Er. Ashish Pippal, Senior Scientist, Ms. Gunjan Joshi, Ms. Prachi Dhingra, Mr. Amzad, Mr. Vikas, and Mr. Mahesh, ensuring the seamless execution of the day's activities.

The event concluded on a positive note, with students and the faculty members expressing their appreciation for the knowledge and insights gained. Both students and educators lauded CSIR-CBRI for organizing such an educational and impactful event, acknowledging the institute's efforts in bridging the gap between scientific research and its practical applications.