

Event Name	Waste to Wealth - Focusing on Plastic Upcycling
Date	30 January 2025
Venue	Pulitzer Hall
Organizer	Centre of Excellence for Sustainability in collaboration with the Centre for Research Impact and Outcome (CRIO) and the Department of Applied Sciences
Resource Person	Dr. Chingakham Chinglenthoinba
Event Co-ordinators	Dr. Ravi Dandotiya, Dr. Pooja Mahajan, Ms. Gurpreet Kaur, Mr. Aayush
Student Co-ordinators	Mr. Amit Singh
Number of Participants	85
SDGs Covered	4,9,13,14

About the Activity

Chitkara University Centre of Excellence for Sustainability, in collaboration with the Centre for Research Impact and Outcome (CRIO) and the Department of Applied Sciences, hosted an expert session titled "Waste to Wealth - Focusing on Plastic Upcycling." The event aimed to highlight innovative approaches to upcycling plastic waste, transforming it into valuable products while promoting sustainable practices. The session was led by **Dr. Chingakham Chinglenthoinba**, Assistant Professor at Centre for Research Impact and Outcome (CRIO) & an esteemed expert in sustainability and plastic waste management. A total of 85 participants attended, actively engaging in discussions on plastic upcycling and its impact on sustainability.

Key Points of the event

Dr. Chingakham Chinglenthoinba focused on various aspects of **plastic upcycling**, demonstrating how plastic waste can be converted into valuable products instead of polluting oceans and landfills. Some key highlights from the session include:

- **Upcycling plastic waste into construction materials**, such as eco-bricks and sustainable building components.
- **Transformation of plastic waste into fashion items**, showcasing the potential of using plastic in the textile industry.
- **Challenges and opportunities in plastic upcycling**, emphasizing the importance of innovative research and collaboration.



- **Real-world case studies and success stories** of plastic upcycling initiatives around the world.

Methods for Plastic Upcycling

- Making plastic strips to use in **3D printers**.
- Processing waste plastic through the **cotton candy making process** to produce plastic threads.
- Creating **toys, clothes, statues, and decorative pots** from upcycled plastic.

Conclusion

The expert session successfully raised awareness about the environmental impact of plastic waste and the importance of **upcycling as a sustainable solution**. The interactive discussions provided participants with valuable insights into practical applications of plastic upcycling, motivating them to explore innovative approaches in their academic and professional pursuits.

By engaging experts like Dr. Chingakham Chinglenthoinba and fostering such discussions, Chitkara University continues to play a pivotal role in advancing sustainability initiatives and promoting responsible environmental practices.



