

# Five-Days workshop on Bioplastics: Futuristic Materials for Sustainable Innovations, Applications, and Circular Economy Solutions

Organized by

Department of Food Process Engineering, NIT Rourkela

Date: 05-09 January 2026

Time: 09.30 AM-05.00 PM



Registration link:

<https://forms.gle/1NJEYaETcLeE5sHL7>

## Patron

Prof. K. Umamaheshwar Rao,  
Director, NIT Rourkela, Odisha

## Chairman

Prof. Sabyasachi Mishra  
Head, Department of Food Process  
Engineering, NIT Rourkela, Odisha

## Event coordinators

Dr. Thivya P (Convener) and  
Dr. Arun Prasath Venugopal (Co-convener)  
Dept. Food Process Engineering  
NIT Rourkela, Odisha

## Student coordinators

Ms. Devika K. K  
Ms. Abhipriya Patra  
Ph.D. Research Scholar,  
Dept. of Food Process Engineering  
Phone: 9188215802 / 7978470780

## Venue

Biotechnology & Medical Engineering  
Auditorium, NIT Rourkela.

## About the Workshop

The Department of Food Process Engineering, National Institute of Technology, is delighted to organize the Five-Day Workshop on “Bioplastics: Futuristic Materials for Sustainable Innovations, Applications, and Circular Economy Solutions.” This workshop aims to serve as an enthusiastic platform to explore innovative research, transformative technologies, and modern strategies by gaining practical experience in the production and application of bioplastics as futuristic materials for food and packaging systems. This workshop will bring together academia, industry, policymakers, and innovators to explore advanced research and emerging technologies in bioplastics and other sustainable materials development. With a strong focus on food processing and packaging applications, the event aims to highlight the role of natural resources, green processing technologies, and circular economy models in shaping the future of environmentally responsible materials. The workshop will serve as a global platform for knowledge exchange, fostering collaborations, and inspiring innovations that can transform the future of sustainable materials and reduce plastic pollution worldwide.

## About the Institute

The National Institute of Technology Rourkela (NIT Rourkela), formerly known as the Regional Engineering College until its renaming on 26th June 2002, is a premier government-funded institution dedicated to excellence in Engineering, Science, and Technology. Located in the steel city of Rourkela, Odisha, India, it is one of the 31 National Institutes of Technology in the country and has been recognized as an Institute of National Importance under the National Institutes of Technology Act, 2007. NIT Rourkela holds prestigious rankings, including 19th in the NIRF Rankings 2024 for Indian Engineering Universities, 317th in the QS Asia University Rankings 2025, 167th in the QS World University Sustainable Rankings 2025 (Asia region), and within the 601–800 band in the Times Higher Education World University Rankings (Engineering) for 2024–25. The institute's mission is to become an internationally acclaimed center of learning, serving as a beacon of knowledge and expertise for society while establishing itself as a preferred destination for undergraduate and postgraduate studies.

## About the Department

The Food Process Engineering department at National Institute of Technology Rourkela blends engineering disciplines with a strong understanding of food and food science. The vision of the department is to become an internationally acclaimed department of higher learning in the field of Food Process Engineering that will serve as a source of knowledge and expertise for the food processing industries and be a preferred destination for undergraduate and graduate studies. The mission is to advance and spread knowledge in the area of food process engineering leading to improved and sustainable practices in food production, processing, preservation, and safety, thereby ensuring food security in the society.

### Speakers

Distinguished national and international experts in the field of food process engineering will be delivering the lectures.

### Target audience

This five-day high-end workshop will benefit researchers, students, faculty members, and industrial professionals seeking opportunities to explore advanced research and emerging technologies in biopolymers, bioplastics, and sustainable material development.