

**One Week Self-Financed
Short Term Training Program
On**

**“Advanced Separation Processes in
Biotechnology and Environmental field”**

23-27 February 2026

(Hybrid Mode)

REGISTRATION FORM

Name:

Designation:

Organization:

Qualification:

Correspondence Address:

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Tel. (O) (R)

(M)

E-Mail:

Amount.....

NEFT/DD/Transaction No.....

Date of payment.....

Name of the Bank.....

Date: Place:

Signature

Participants must send scanned copy of the filled registration form along with proof of payment through email to the coordinators.

Payment should be made to the following. Account
No.: 38027633250 Name: Director, NIT Raipur
IFSC: SBIN0002852



*Registration Fee should be paid in the form of
Cash/DD/NEFT in favor of Director, NIT Raipur.*

Last Date for registration: 15-02-2026

Chief Patron

Dr. N. V. Ramana Rao

Director

National Institute of Technology Raipur,
India, 492010

Patron

Dr. Guru Prasad Subas Chandra Mishra

Dean (Research & Consultancy),

National Institute of Technology

Raipur, India, 492010

Guest of Honours

Dr. Subhojit Ghosh

Professor

Department of Electrical Engineering

Convener

Dr. Pratima Gupta

Professor and Head

Department of Biotechnology

NIT Raipur

Coordinators

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Associate Professor

Department of Biotechnology

NIT Raipur

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Address for Correspondence

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**One Week Self-Financed
Online Short Term Training
Program**

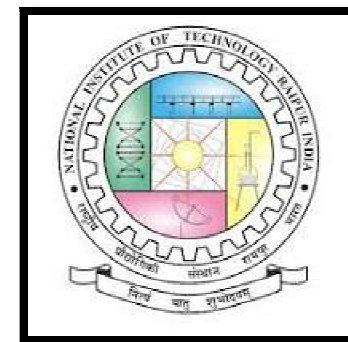
On

**Advanced Separation
Processes in
Biotechnology and
Environmental Field
(Hybrid Mode)**

23-27 February 2026

Organized by

Department of Biotechnology



**National Institute of Technology
Raipur- 492 010 (Chhattisgarh)**

About the Institute:

National Institute of Technology (NIT) Raipur, formerly known as Government Engineering College (GEC) Raipur, is established in 1956. The institute has established its unique identity for the development of high-quality human and knowledge resources. It was declared as 'National Institute of Technology' by the Government of India on 1st December 2005 and then an 'Institute of National Importance' in May 2007 under the National Institute of Technology Act 2007. With over six decades of glorious history as a premier technical education institution in India, NIT Raipur now offers 12 UG and 11 PG programs. In addition to the UG and PG programs, NIT Raipur also offers Ph.D. in 18 disciplines of science and technology.

About Department:

The Biotechnology department started in the year 2003 and it offers undergraduate course in Biotechnology Engineering and Ph.D. program. The department has well-equipped laboratories including the Biotechnology analytical lab, Microbiology and Biochemistry lab, Heat and mass transfer lab, Bioinformatics lab, Environmental Engineering Lab, and Membrane separation lab to enable the students and the scholars to pursue research in-house.

Venue:

**Department Biotechnology
NIT Raipur (CG) – 492010, INDIA**

Objectives:

This short-term training program aims to equip participants with a comprehensive understanding of advanced separation and purification processes applied in biotechnology and environmental fields. The program will cover modern techniques used for the efficient extraction, isolation, and purification of biological and environmental samples, along with the scientific principles that govern these processes. Emphasis will be placed on real-time and scalable applications such as bioproduct recovery, wastewater treatment, pollutant removal, and high-purity compound isolation to enhance process efficiency and sustainability. Through expert-led lectures and hands-on sessions, participants will explore innovative methodologies, analytical approaches, and emerging technologies that support improved process performance and environmental safety. The program encourages interdisciplinary learning and fosters the integration of advanced purification strategies with practical, real-world applications.

Targeted at professionals, researchers, and students in biotechnology, environmental engineering, and related disciplines, the program prepares participants to effectively apply advanced separation and purification techniques in real-world scenarios.

Theme/Scope of workshop:

This workshop will explore advanced techniques in separation and purification processes relevant to biotechnology and environmental applications. It will cover modern approaches such as membrane-based separation, chromatographic techniques, adsorption processes, and bioproduct purification strategies. The program also includes methods used in environmental remediation, wastewater treatment, and pollutant removal, emphasizing the scientific principles and technological advancements driving these processes. Participants will engage with practical applications through hands-on training focused on process optimization, real-time monitoring, and analytical assessment of separation efficiency.

Topics to be covered:

- Membrane filtration (Microfiltration, Ultrafiltration, Nanofiltration and Reverse osmosis).
- Chromatographic techniques
- Aqueous two-phase extraction (ATPS).
- Field Assisted Separations.
- Adsorption.
- Supercritical fluid extraction
- Bioinspired Technologies
- Advanced oxidation process
- Electrochemical methods
- Electrodialysis

Targeted Participants:

- Undergraduate, Postgraduate and Ph.D. students, young faculty members/researchers from academia and industry.

Registration Fee Details (in INR):

Seats are limited and selection will be done on first-come-first-serve basis. Participants must fill the registration form with payment details. Fee is non-refundable. Selected participants will be notified through email as per the schedule.

Registration Fees (INR)

NITRR students: 500/- (590 Incl. GST)

External students/NITRR Staff: 750/- (885 Incl. GST)

Faculty/Industry: 1500/- (1770 Incl. GST)

Registration Link:

<https://forms.gle/LnDuXpzfrNDR9kAb9>

Important Dates

Last Date of Registration: 15-02-2026