

**ICBSEE
2026**

5th INTERNATIONAL CONFERENCE ON

Bioprocess for Sustainable Environment and Energy

**National Institute of Technology
Rourkela, India****CONFERENCE THEME**

Bioprocess: From Research to Real Life

2-4 December 2026

Hybrid mode

About the host

Department of Biotechnology and Medical Engineering

Established in 2004, the Department advances biotechnology and biomedical engineering education and research. NIT Rourkela serves society through knowledge and expertise in a diverse academic environment.

About the conference

ICBSEE 2026 connects academia, government and industry through scientific exchange on bioprocess technologies for environmental protection, sustainable energy and practical applications.

Scope of the conference

Dedicated sessions cover environmental biotechnology, industrial bioprocesses, clean energy and omics. The conference promotes recent innovations and practical solutions for a pollution-free, sustainable environment, supporting Swachh Bharat.

Sponsors



Organizing committee

CHIEF PATRON**Prof. K. Umamaheshwar Rao**

Director, NIT Rourkela

CHAIRPERSON**Prof. Devendra Verma****ORGANIZING SECRETARIES****Prof. Angana Sarkar****Prof. Kasturi Dutta**

Committee members

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Prof. Amit Biswas
Prof. Amrita Singh
Prof. Anamika Singh
Prof. Anju R. Babu
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Prof. Bala Chakravarthy Neelapu
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Prof. M. K. Gupta
Prof. Mirza Khalid Baig
Prof. Nandini Sarkar
Prof. Nivedita Patra
Prof. P. Balasubramanian
Prof. Prasoon Kumar
Prof. Ravi Kant Avvari
Prof. Sivaraman J
Prof. Subhankar Paul

Keynote speakers



Dr. Nabin Kumar Dhal

Scientist-G & Head, CSIR-IMMT, India

Environment & Sustainability. Plant remediation of mine sites, biodiversity, waste management and carbon stocks.



Prof. Mukesh Kumar Gupta

Biotech. & Medical Eng., NIT Rourkela

Stem cells, transgenesis, tissue engineering and cryopreservation of gametes, embryos and microalgae. On lien: Director, ICMR-NARFBR, Hyderabad.



Prof. Kannan Pakshirajan

Biosciences & Bioeng., IIT Guwahati

Environmental biotechnology, biofuels, biochemicals and biorefineries. Toxicity removal from polluted air, soil and water.



Prof. Sanjoy Ghosh

Head, Biosciences & Bioeng., IIT Roorkee

Biofuels, enzymes, microalgae and reactor design. Fermentation, modelling and scale-up. Biomass conversion to bioethanol and biodiesel.



Prof. Ulla Lassi

Head, Sustainable Chem., Oulu, Finland

Faculty of Technology. Battery chemicals, adsorbents and catalysts. Water treatment, waste management and circular economy.



Prof. Ramkrishna Sen

Bioscience & Biotech., IIT Kharagpur

Biosurfactants, biopolymers and microbial or algal biofuels. Green biorefineries combine carbon capture and waste valorization with products for energy and the environment.

Conference topics

01 Environment

- Biodiversity and omics
- Bioprocesses and biosystems
- Bioremediation of solid and liquid wastes
- Detection and management of hazardous substances
- Carbon sequestration and storage
- Green routes for organic synthesis
- Product engineering in bio-industries
- Product innovation, development and economics
- Enzymes of environmental importance
- Biomaterials and nanotechnology
- Effluent recovery and recycling
- Value-added products from waste

02 Bioprocess

- Advanced approaches for improved product quality
- Enzymes of industrial importance
- Biomass processing
- Bioprocesses for food and fermentation

Conference topics

03 Energy

- Biofuels and biorefineries
- Green, sustainable and renewable energy
- Waste-to-energy technologies
- Clean energy systems
- Low-cost and innovative technologies
- Advanced technologies for alternative fuels

04 Omics for environment and product development

- Metagenomics of environmental samples
- Biodiversity analysis of environmental samples
- Microbiome analysis
- Whole-genome bioinformatics
- Metabolomics for pathway analysis
- Proteomics for improved products and processes
- Transcriptomics for improved products and processes

Payment & venue

UPI PAYMENT

2804180418@sbi

Scan to pay



NEFT and demand draft

Payee: CONFERENCE NIT ROURKELA

Bank: SBI NIT Campus Branch, Rourkela

Account no.: 36734418111

IFSC: SBIN0002109

Account-payee demand drafts should be payable at the above branch.

Venue and host institution

**National Institute of Technology
Rourkela, India**

Host: Biotechnology and Medical Engineering

Registration fees

National participants (INR)

Category	Regular in person	Regular online	Late in person
Faculty / scientists	7,000	5,000	8,000
Students	5,000	3,000	6,000
Industry	10,000	8,000	12,000

International participants (USD)

Online participation

Category	Regular	Late
Faculty / scientists	150	200
Students	100	150
Industry	300	150*

* Industry late fee USD 150 needs confirmation.

National online late fees and late dates: unlisted.

Publication opportunity

Presented papers will be open for submission to a special issue of Environmental Quality Management (EQM), subject to journal review and acceptance. Other journals have been contacted.

Submission & contacts

Abstract submission deadline

31ST October 2026

L REGISTRATION DEADLINE

31ST October 2026

Email the final abstract to:

icbsee2026@gmail.com

Register and submit your abstract



www.icbsee2026.com

Social media accounts

Instagram: [@icbsee2026](https://www.instagram.com/icbsee2026)

Facebook: [ICBSEE \(icbsee2022\)](https://www.facebook.com/icbsee2022)

LinkedIn: [ICBSEE conference](https://www.linkedin.com/company/icbsee-conference)