

4th International Conference on Bioprocess for Sustainable Environment and Energy (Hybrid mode) 29th Nov – 1st Dec 2024



ICBSEE-India-2024



Organized
by

Department of
Biotechnology and Medical
Engineering
NIT Rourkela
Venue : NIT Rourkela

About Host

Department of Biotechnology and Medical Engineering at National Institute of Technology Rourkela (NIT Rourkela) was established in 2004 to flourish in the emerging areas of biotechnology and Biomedical Engineering. NIT Rourkela provides quality education in a diverse and multi-cultural environment. The mission of the institute is to become an internationally acclaimed institution of higher learning that will serve as a source of knowledge and expertise for the society and be a preferred destination for undergraduate and graduate studies.

Welcome to ICBSEE-India-2024

ICBSEE-India-2024 will enlighten the field of **Energy-Environment-Bioprocess**. The main theme of the conference is **"Bioprocess: From Research to Real Life"** which covers a wide range of critically important sessions. ICBSEE-India-2024 would provide a platform for the interaction between the Scientist communities around the world and aims in establishing pollution free sustainable environment by accelerating the cutting edge Bioprocess Technologies.

ICBSEE-India-2024 provides the combined arena of government-academia-industry to incorporate all potential aspects in approaching one-foot step ahead towards MAKING SWACHHA BHARAT

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Dr. Achlesh Daverey

Scope of the Conference:

The major thrust of **ICBSEE-India-2024** is to emphasize the recent innovations and development of bioprocess strategies towards **environment and energy**. Keeping this in view, exclusive sessions will be dedicated to personnel from broad area of academia, industry and research on the focussed thematic areas.

The conference will focus on the following topics, but not limited to:

i. Environment

- Biodiversity and Omics
- Bioprocess and Bio-systems
- Bioremediation: solid and liquid wastes
- Hazardous substances: detection and management techniques
- Carbon sequestration and storage
- Green organic synthesis routes
- Product engineering in the Bio-Industries
- Product innovation, development and economics
- Enzymes of environmental importance
- Biomaterials and Nanotechnology
- Recovery and recycling of effluents
- Value added products from wastes

ii. Bioprocess

- Bioprocess: advance approaches for better quality product
- Enzymes of Industrial importance
- Biomass Processing
- Bioprocess for Food and Fermentation

iii. Energy

- Biofuels
- Bio-refinery
- Green energy
- Waste-to-energy technology
- Sustainable and renewable energy
- Clean energy systems and technology
- Low cost and innovative technologies
- Advance technologies for alternative fuels

iv. Omics for environment and product development

- Metagenomics of environmental samples
- Biodiversity analysis from environmental samples
- Microbiome analysis
- Bioinformatics analysis for whole genome
- Metabolomics for pathway analysis
- Proteomics for improved product and process
- Transcriptomics for improved product and process

Abstract Submission

➤ The final version of the abstract should be mailed to icbsee24@gmail.com

Key Dates:

1. Abstract Submission start: 15th August, 2024
2. Abstract Submission end: 31st October, 2024
3. Early Bird Registration: 31st October, 2024

➤ Website link: <https://icbsee.wixsite.com/my-site-2>

Registration fees:

National:

Faculties from academic institutions : Rs: 7000/- (5000/- for online mode)

Participants from industries : Rs: 10000/- (8000/- for online mode)

Research Scholars: Rs. 5000/- (3000/- for online mode)

International:

Research Scholars (International): USD 100

Faculties and Scientists (International) : USD 100

Late Registration fees:

National:

Faculties from academic institutions : Rs: 8000/-

Participants from industries : Rs: 12000/-

Research Scholars: Rs. 6000/-

International:

Research Scholars (International): USD 120

Faculties and Scientists (International) : USD 120

PAYMENT All payments should be made through A/c payee Demand Draft in favor of “**CONFERENCE NIT ROURKELA**”, payable at SBI NIT Campus Branch, Rourkela (IFSC Code: SBIN002109) or through NEFT transfer to **A/c No. 36734418111**. You can also visit www.nitrkl.ac.in for downloading the registration form and other information.

Tentative KEYNOTE Speaker ICBSEE 2024



Prof. Teresa Gea
University of Barcelona, Spain



Prof. Ji Dong GU
Guangdong Technion - Israel
Institute of Technology, China



Dr. Santanu Dasgupta
Senior Vice President at
Reliance, India



Prof. Ulla Lassi,
University Of Oulu,
Finland



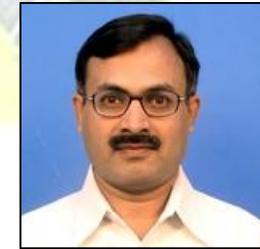
Prof. Rintu Banerjee
IIT KGP, India



Prof. Indumathi M. Nambi
IIT Madras, India

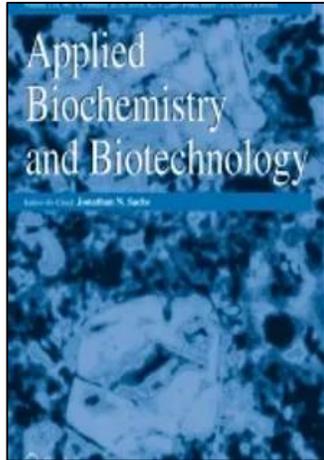


Prof. Ramkrishna Sen
IIT Kharagpur, India

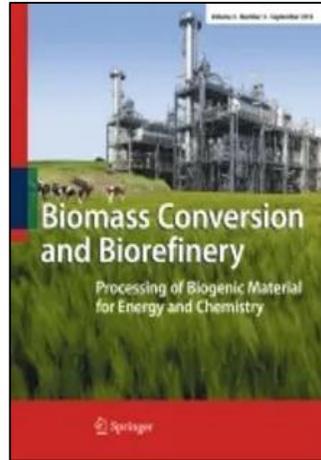


Prof. Sanjoy Ghosh
IIT Roorkee, India

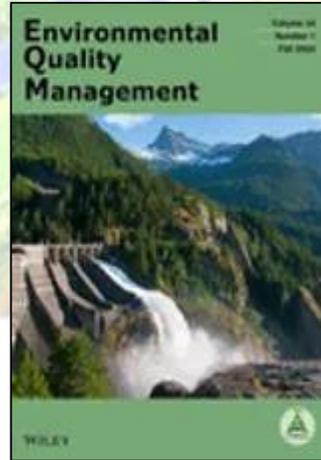
Papers presented in ICBSEE 2024 will be open for submission to the special issues of the following journals :



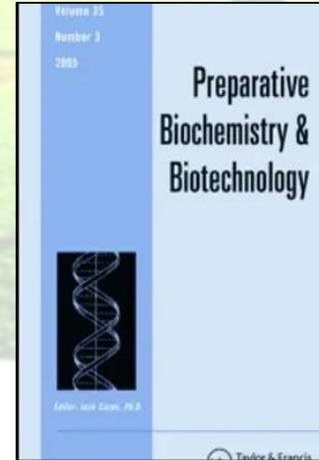
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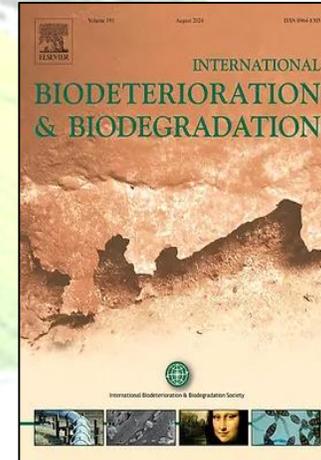
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