



Dept. of Biotechnology and Medical Engg., and Dept. of
Mechanical Engg. (NIT Rourkela) in association with
National Institute of Technology Uttarakhand



International Conference on Biological Innovation, Technology, Engineering and Sciences (BITES-2024)

18th -20th December 2024



Event Highlights



Oral Presentation, Poster Presentation,
Scientific Photography, Bio Idea Pitch

Team

PATRON:

Prof. K. Umamaheshwar Rao, Director, NIT Rourkela
Prof. B.V. Ramana Reddy, I/c Director, NIT Uttarakhand

CHAIRMAN: Prof. Devendra Verma, HoD, BM

CONVENORS: Prof. Ravi Kant Avvari,
Prof. Dharmendra Tripathy (NIT UK)

CO-CONVENORS: Prof. Prasoon Kumar,
Prof. Earu Banoth,
Prof. Kishore Singh Patel (ME)

Registration

Abstract submission : 30 Oct 2024

Acceptance of abstract : 15 Nov 2024

Registration : 20 Nov 2024

*late registration charges of 20% extra

Website: <https://bites-2024.nitrkl.ac.in/>

Registration link –

<https://forms.gle/s1hdv4Q9s1uoskPu9>

Abstract submission link –

<https://forms.gle/YjRAw5J5uQAPjPcUA>



CONFERENCE NIT ROURKELA
2804180418@sbi

About the Conference

The conference aims to provide an excellent platform for engineers, scientists, researchers, and professionals to share knowledge and experiences on the dynamics of the interdisciplinary approaches in solving problems of relevance to bioengineering covering major domains of Biological Innovation, Technology, Engineering and Sciences. The conference will serve as the best platform to learn and share new ideas in the area by connecting the stakeholders involved, particularly students, faculties, engineers, doctors, entrepreneurs, incubators, and enthusiasts. Further, the conference will also inspire the new generation of bioengineers to come up with novel, translatable ideas to meet the needs of the national and international community.

About NIT Rourkela

NIT Rourkela (the erstwhile Regional Engineering College, renamed on 26th June 2002) is one of the institutes of national importance under the Ministry of Education, Government of India. The government of India has elevated the Regional Engineering College, Rourkela to an autonomous institution under the name of the National Institute of Technology, Rourkela. <https://nitrkl.ac.in>

About the Department - BM

The Department of Biotechnology and Medical Engineering was established in 2007 to provide a multidisciplinary research and teaching program in Biotechnology and Medical Engineering that advances a fundamental understanding of how biological systems operate and to develop effective biology-based technologies for applications across a wide spectrum of societal needs including innovations in diagnosis, therapy of human diseases, design of novel biomaterials, biomedical devices, and in solving environmental hazard. The faculty members have diverse research interests and they conduct both basic and applied research in diverse areas such as Cell & Molecular Engineering, Tissue Engineering & Biomaterials, Bioprocess Engineering, Environmental & Plant Biotechnology, Biomechanics & Bio transport Engineering, and Medical Electronics & Instrumentation.

Registration

Please register for the conference using the following link
#

Participants	Indian	Foreign
UG/PG Students	Rs. 2500	USD 75
Research Scholars	Rs. 4000	USD 100
Academicians	Rs. 6000	USD 150
Industry	Rs. 8000	USD 250

For Attendees Rs. 1000/ USD 25. Registration includes – conference kit, high tea, breakfast and lunch (GST incl.). #registration for student/ staff of NIT Rourkela is free; Accommodation will be arranged at the campus, subject to availability and charges payable by the participant.

Payment may be made using QR code (see first page) or using online transfer in favor of “Conference, NIT Rourkela” payable at SBI, NIT Branch to Account No.: 36734418111, IFSC: SBIN0002109, MICR: 769002007, SWIFT: SBININBB137

For more further details please visit the website

<https://bites-2024.nitrkl.ac.in/>

About NIT Uttarakhand

National Institute of Technology, Uttarakhand (NITUK) is an Institute of National Importance. Since its inception, this Institute has grown in many fields and has established itself as one of the best Technical Educational Institutes. NITUK is established in 2009 under the Act of Parliament by the Ministry of Education (Shiksha Mantralaya). <https://www.nituk.ac.in/>

About the Department - ME

Mechanical Engineering is often called the mother of all engineering. It covers a host of subjects: properties of materials, structural design, material processing, manufacturing, heat engines, refrigeration and air conditioning, industrial management, robotics and much more. The Mechanical Engineering Department of NIT, Rourkela is known for research in most of these fields. The main foci of research are on mechanical vibration, robotics, CAD/CAM, precision engineering, Metal forming, manufacturing, CFD, Industrial refrigeration and Cryogenics.

Theme of the Conference

"The Future of Biological Innovation" serves as a compelling focal point for the conference, offering a platform to explore a diverse array of topics. This theme delves into emerging technologies and pioneering research, focusing on how technology and engineering are unlocking new potentials in biological research, sharing ideas, and addressing challenges in the field.

The conference covers topics in biosciences and bioengineering area from an interdisciplinary perspective, but not limited to, such as – Cell & Molecular Engineering, Tissue Engineering & Biomaterials, Bioprocess Engineering, Environmental & Plant Biotechnology, Biomechanics & Biotransport Engineering, and Medical Electronics & Instrumentation.

Note: Scopus and Web of Science indexed publications will be added after the final consent from the publishers related to the theme of the conference.

Sponsorship

BITES-2024 will serve as a platform for industries/ start-ups/ sponsors to collaborate with best minds in the field. This platform will help sponsors in building network and promote their products and branding.

Contact details

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Prof. Earu Banoth | banothe@nitrkl.ac.in

Prof. Kishore Singh Patel | patelks@nitrkl.ac.in

Keynote Speakers

**Prof. Mohamed Sultan
Mohamed Ali**

Universiti Teknologi Malaysia

Prof. T. Bhaskar

Scientist F, IIP Dehradun

Prof. Suman Chakraborty

Shanti Swarup Bhatnagar Awardee,

Professor, IIT Kharagpur

Prof. Sashikanta Dash

Dy. Director (Biotech.), S&T Odisha

Prof. Suresh Kumar Dubey

Professor, BHU, Varanasi

Prof. Alan Jeffrey Giacomini

Editor-in-Chief, Physics of Fluids

Prof. Mukesh K. Gupta

Director, ICMR-NARFBR, Hyderabad

Prof. Luís Miguel Grilo

Professor, Univ. of Evora, Portugal

Prof. Singam Jayanthu

National Mineral Awardee, Professor,
NIT Rourkela

Dr. Mona Kanso

PostDoc Assoc, Massachusetts
Institute of Technology

Prof. Dharendra S Katti

Director, IIT Goa

Prof. Sunil K. Khare

Director, IISER Kolkata

Prof. Kh S. Mekheimer

Professor & Ex-Vice Dean (PG), Al-
Azhar University, Cairo

Dr. Sanjib Mohanty

Ex Director, Ispat General Hospital
(IGH), Rourkela

Prof. Anuj Mubayi

Illinois University USA

Prof. Ashok Pandey

Executive Director, Centre for Energy
and Env. Sustainability, Lucknow

Mr. Dhiren Pattanayak

Asst. Controller (P&D), IPO Kolkata

Prof. Minakshi Prasad

Editor-in-Chief, Indian J. of
Microbiology

Dr. Praveen Sahu

Sr. Scientist, CWS Hospital, Rourkela

Prof. Kolla Sreedevi

Chief Editor, J. of Biological Control

Dr. S. Venkata Mohan

Chief Scientist, IICT Hyderabad

Prof. R. Vinu

Professor, IIT Madras

Invited Speakers

Dr. Neha Arya

Asst. Professor, AIIMS Bhopal

Prof. Iswar Baitharu

Asst. Professor, Sambalpur
University

Prof. Anil Kumar Birru

Head & Assoc. Professor, NIT
Manipur

Prof. Tikam Chand Dakal

Asst. Prof., Mohanlal Sukhadia Univ.

Prof. Debasmitta Dubey

Assoc. Professor, SOA Univ BBS

Prof. Chandan Goswami

Professor, NISER Bhubaneswar

Prof. Alok Jain

Asst. Professor, BIT Mesra

Prof. Era Jain

Asst. Prof., Syracuse University

Prof. Dhruv Kumar

Prof. & Cluster Head, SoHST
Dehradun

Prof. Aradhana Mishra

Sr. Principal Sc., NBRI, Lucknow

Prof. Rakesh K. Mishra

Head & Asst. Prof., NIT UK

Prof. Danumjaya Palla

Professor, BITS Pilani, Goa

Prof. Sirsendu Sekhar Ray

Professor, North-Eastern Hill Univ.

Prof. Akhilesh K Shakya

Asst. Prof. of Prac., Texas Tech Univ.

Prof. Yamini Sudha Sistla

Assoc. Prof., Shiv Nadar University

Prof. Anurag Kumar Tiwari

Asst. Professor, NIT Jalandhar

Prof. Ruchi Mishra Tiwari

Asst. Prof., Symbiosis International
(Deemed Univ.)

Prof. Jai Prakash Tripathi

Asst. Prof., Central Univ. Rajasthan

Prof. Rajesh Vasita

Asst. Prof., Central Univ. of Gujarat

Prof. Vivekanand

Asst. Professor, MNIT Jaipur

Publication of extended papers