



Virtual International Conference on
**Nurturing Innovative Technological Trends in
Engineering BIOscience
(NITTE-BIO 2023)**

(Under the Aegis of ICETE 2023 Multi-Conference Platform)

19 & 20 December 2023

**Organized by
Department of Biotechnology Engineering**



Off-Campus Center of Nitte (DU)

Nitte – 574 110, Karkala Taluk, Udupi District, Karnataka, India

Phone: +91 8258 281264; Fax: +91 8258 281265

Website: www.nmamit.nitte.edu.in/

About NITTE (Deemed to be University)

Nitte (Deemed to be University) has its roots in a group of Institutions established by the Nitte Education Trust. The Trust was established in 1979 by one of India's respected statesmen, Late Justice K. S. Hegde, Supreme Court Judge and Speaker of Lok Sabha, with the mission of empowering rural youth through quality education and health care. The Trust has established 43 Institutions spread in 3 campuses at Nitte, Mangaluru and Bengaluru. It offers education in diverse areas of learning including Health professions education, Engineering, Management, Humanities, General Education, Vocational Training and School/Pre-University Education.

The University offers a total of 130 Programs in the disciplines of Engineering, Medicine, Allied Health Sciences, Dentistry, Pharmacy, Nursing, Physiotherapy, Speech and Audiology, Biological Sciences, Media & Communication, Commerce, Science, Management and Architecture. It has 7000+ students, over 1000 faculty members, over 3000 support staff on roll. The University campuses are spread over 52 acres in Deralakatte-Paneer areas of Mangalore and 125 acres in Nitte.

The University received A+ Grading in NAAC Accreditation in 2021. It has been consistently placed in the top 60-70 Rank band in NIRF. The University is also placed in the 401-450 Rank band in the QS Rankings for Asia region. It has received Diamond Rating in the QSI-Gauge India Ratings. The constituent colleges of the University have good standing in their disciplines in the NIRF Rankings. In 2023, Nitte (Deemed to be University) is ranked 65th in NIRF, the Dental College is ranked 5th, the Pharmacy College is ranked 46th, and NMAM Institute of Technology is placed in 100-150 band. All the Undergraduate Programs of NMAMIT are accredited by NBA. Further, the B. Pharm program of the University is also accredited by NBA. The teaching hospital is accredited by both NABH and NABL.

About NMAMIT

Nitte Mahalinga Adyantaya Memorial Institute of Technology (NMAMIT), Nitte, established in 1986 and recognized by the All India Council for Technical Education, New Delhi, has been a constituent college of Nitte (Deemed to be University), Mangalore, since June 2022. Ranked between 101-150 band under Engineering category in the National Institutional

Ranking Framework (NIRF) 2023 by MHRD, GoI among the engineering colleges in India, the College has been placed under 'Platinum' category for having high industry linkages by the AICTE-CII Survey of Industry-Linked Technical Institutes 2020. NMAMIT, the off-campus center of Nitte DU located at Nitte village, has active collaborations with several international universities and organizations for faculty and student exchanges, research, internships and placements.

The Institute offers UG engineering program in fifteen disciplines; Artificial Intelligence & Machine Learning (AI&ML), Artificial Intelligence & Data Science (AI&DS), Biotechnology (BT), Civil Engineering(CIV), Computer & Communication Engineering (CCE), Computer Science & Engineering(CS), Computer Science (Full Stack Development), Computer Science (Cyber Security), Electrical & Electronics Engineering (E&E), Electronics & Communication Engineering (E&C), Electronics (VLSI Design & Technology), Electronics & Communication Engineering (ACT), Information Science & Engineering (IS) , Mechanical Engineering(MECH) and Robotics & Artificial Intelligence (R&AI). Out of these programs, seven UG programs i.e., BT, CIV, CS, E&E, E&C, IS and MECH are accredited by NBA, New Delhi under Tier - I category till 30 June 2025. The institute also offers PG program M.Tech. in seven disciplines namely Construction Technology, Computer Science & Engineering, Cyber Security, Electric Vehicle Technology, Machine Design, Structural Engineering and VLSI Design & Embedded Systems as well as MCA program. All the departments have qualified research guides for students interested in taking up research work leading to Ph.D.

About the Organizing Department

Started in 2002, with intake capacity of 60, the department offers B.Tech program in Biotechnology Engineering. This Program trains students in biological applications of engineering principles. Since inception, the department has achieved the credibility of having interdisciplinary research projects, MoU with industry and academia, research publications of student projects as well with faculty research fundings. A total funding of Rs. 2.7 Crores from various funding agencies has been the hallmark achievement of the department. The department facilitates unconditional support to the students for their overall development with experienced and dedicated faculty and state of the art facilities.. Analytical infrastructure includes HPLC,

GC, AAS, PCR, ELISA reader, probe sonicator, lyophiliser, fermenters, Gel doc system, UV-visible spectrophotometer, Cold centrifuge, and Thermo-regulated incubator shakers. The up-to-date curriculum and the upgraded labs promote an atmosphere of practical and knowledge-based learning principles catering to the needs of the industry to compete with the expected standards of higher education. An established Bioenergy Research, Information and Demonstration Centre (BRIDC) funded by the Karnataka State Bioenergy Development Board (KSBDB), under Government of Karnataka facilitates demonstration, awareness and disseminates information about biofuels amidst scientific community, students, farmers and public.

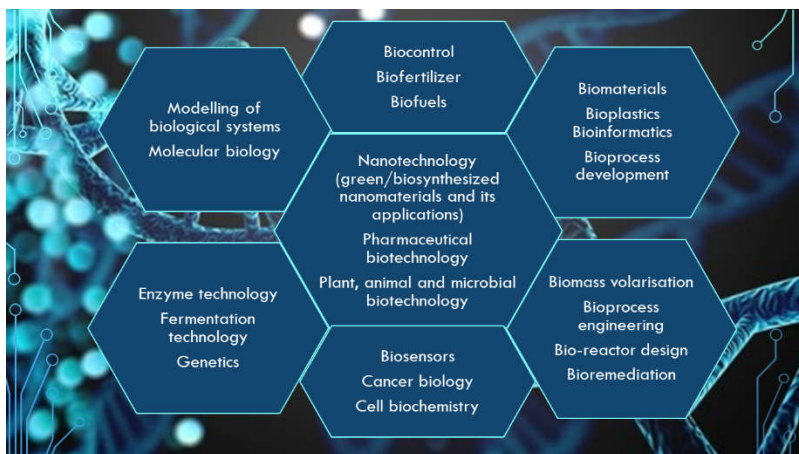
About the Conference

International Conference on Emerging Trends in Engineering (ICETE-2023 A multiconference platform) will be held on 19th & 20th December 2023 at NMAM Institute of Technology, Nitte, Karnataka. The idea of multi conference platform has been mooted in order to focus on the specific issues associated with various Engineering fields.

NMAMIT has been organizing International Conference on Emerging Trends in Engineering (ICETE) annually. ICETE aimed to provide a proper platform for Research scholars, Post Graduate students of Engineering & Technology and Industry professionals to deliberate, explore and contribute their research findings and to discuss the latest developments in the field of Engineering & Technology. Invited technical talks by eminent personalities from IIT and Foreign Universities on current topics of relevance, in different streams of engineering were also organized to help the participants in up-gradation of their knowledge about the recent advances in Engineering & Technology. This year, ICETE-2023 will be held as a collection of several International Conferences with themes specific to different engineering streams organized under a single umbrella. Virtual International Conference on Nurturing Innovative Technological Trends in Engineering – BIOscience (NITTE-BIO 2023) is a platform for the exchange of knowledge from both individual and interdisciplinary types of research pertaining to various areas of Biotechnology. This international Conference aims to bring together the researchers, scientists, engineers, and students for providing an international forum for the dissemination of original research results in the area of various strategies employed in health and environment for the societal benefit.

Thrust Areas

Topics of interest include following aspects:



Invited Speakers



Dr. Saran Kumar

Assistant Professor

Kusuma Group of Biological Sciences,
Indian Institute of Technology, Delhi

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Ph: +91 11 2654 8727



Dr. Mohammad Asif Hussain

Professor

Faculty of Engineering
King Abdulaziz University,
Jeddah, Saudi Arabia

Email: ubjuveria@gmail.com

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Journal Publication

The manuscript presented in the conference will be communicated to thematic issue of the Biomass conversion and biorefinery journal. Manuscript will undergo peer review process as per the journal guidelines.

Important Dates

Submission of Full-length manuscript Opens	: 01 July 2023
Last date to Submit Full-length manuscript	: 15 October 2023
Notification of acceptance	: 23 October 2023
Starting date for registration	: 01 November 2023
Submission of camera-ready manuscript Opens	: 01 November 2023
Last date to submit Camera-ready manuscript	: 20 November 2023
Last date for registration	: 10 November 2023
Conference Dates	: 19-20 December 2023

How to submit a research paper?

The abstracts/ full length papers are to be submitted through the EasyChair Conference Management Tool. Visit the conference website for more details.

Queries related to the conference may be sent to:
nittebio.nmamit@nitte.edu.in

The research paper submitted should be original work and should not have been presented in any other conference / submitted to other journals.

Conference Registration Fee

The registration fee can be paid through NEFT/RTGS:

Name	: Nitte Deemed to be University
Account Number	: 110047322915
Type of account	: Savings Bank
Bank	: Canara Bank, Nitte
SWIFT Code	: CNRBINBBBFD
IFSC	: CNRB0010115
MICR Code	: 576015041

For Foreign Delegates : **\$50 (USD)**

For Indian Delegates –

Faculty : **₹1000 (INR)**

Research Scholars and Students : **₹500 (INR)**

Participation (No paper presentation): **₹250 (INR)**

Registration to NITTE-BIO 2023 must be done online only (Visit <http://www.nitte-bio.in/registration-details/> for more details)

Nitte is a village in Karkala taluk of Udupi district, India. Nitte is on the state highway from Padubidri to Kudremukh. It is 8 km away from Karkala, 36 km from Udupi and 54 km from Mangaluru. It is located on the foothills of the Western Ghats Mountains and receives an annual rainfall of around 4830 mm. The state highway SH-1 cuts across Nitte which connects to the National Highway NH-66 at Padubidri and NH-13 near Karkala.

There are ample number of tourism destinations near Nitte. To name a few

- Sri Krishna Math, Udupi
- Malpe Beach, Kapu Light House
- Thousand Pillar Temple, Moodbidri
- Chaturmukha Basadi, Karkala
- Attur Church, Karkala
- Durgaparameshwari Temple, Kateel
- Kudremukh forest ranges



Contact Details:

Program Chair:

Dr. Ujwal P, Professor and Head, Dept. of Biotechnology

Convenor:

Dr. Vinayak B Shet, Associate Professor, Dept. of Biotechnology

Mob: +91-9448452511

Organizing Secretary:

Dr. Harshitha M Jathanna, Assistant professor GD III, Dept. of Biotechnology

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