

DST PURSE II sponsored
IQAC enabled
4th International Conference (Online)
on
**“Challenges in Chemical and Biochemical Engineering for
Sustainable Development (CBSD)”**
23 & 24th March, 2022

**Announcement
&
Call for Papers**

Conference chairs : **Prof. P. Mullai**
Prof. M. Thenmozhi
Conference co-chairs : **Dr. K. Manikandan**
Dr. S. Arrivukkarasan
Dr. S. Shanmuganathan



(Accredited with 'A' Grade by NAAC)

Organized by
Department of Chemical Engineering
(DST-FIST sponsored)
Faculty of Engineering and Technology
Annamalai University
Annamalai Nagar - 608002, Tamil Nadu, India

In association with



The Biotech Research Society, India

Organising Committee

Chief patron	: Prof. RM. Kathiresan Vice-Chancellor, Annamalai University
Patron	: Prof. K. Seetharaman Registrar(i/c), Annamalai University
President	: Prof. A. Murugappan Dean, FEAT, Annamalai University
Vice-president	: Prof. S. Arivudainambi Director- IQAC, Annamalai University
Chairperson	: Prof. R. Dhanasekar Head, Department of Chemical Engineering, Annamalai University
Conference chairs	: Prof. P. Mullai Prof. M. Thenmozhi Department of Chemical Engineering, Annamalai University
Conference co-chairs	: Dr. K. Manikandan Dr. S. Arrivukkarasan Associate Professors Dr. S. Shanmuganathan Assistant Professor Department of Chemical Engineering, Annamalai University.

International Scientific Committee

Dr. Altaf Hussain A , Global Water Sustainability Center, Qatar	Dr. Kyuseon Yoo , Jeonju University, Korea
Dr. Arvind R , Alberta University, Canada	Dr. Lee Keat Teong , Universiti Sains Malaysia, Malaysia
Dr. Camellia Panatarani , Professor, Padjadjaran University, Indonesia	Dr. Sang Jun Sim , Ioanna Ntaikou, Institute of Chemical Engineering Sciences (ICE-HT), Greece
Dr. Claudio Cameselle , University of Vigo, Spain	Dr. Saravanakumar K , Kangwon National University, Korea
Dr. Eldon R Rene , UNESCO-IHE Institute for Water Education, Netherlands	Mr. Sathyamurthy C , Petrolam Nasional Berhad, Malaysia
Dr. Hélène Carrère , University of Montpellier, France	Dr. Sudhagar Pitchaimuthu , Scotland, UK
Dr. Huu-Hao Ngo , UTS, Australia	Mr. Thiru Valliyappan , Specialist Development, Suncor Energy Inc., Canada
Dr. I Made Joni , Universitas Padjadjaran, Indonesia	Dr. Young-Chae Song , Korea Maritime University, Korea
Dr. Justin Sluiter , National Renewable Energy Laboratory (NREL), USA	Dr. Zainul Akmar Zakaria , Universiti Teknologi Malaysia, Malaysia
Mr. Kadiravan M , Lead HSE Advisor Petroleum Development of Oman, Sultanate of Oman	

National Scientific Committee

Dr. Arulmozhi M , Anna University, Trichy	Dr. Raja S , MIT, Manipal
Dr. Ashok Pandey , CSIR - IITR, Lucknow	Dr. Rajeevkumar S , NIIST, Trivandrum
Dr. Balasubramanian T , CARE, Chennai	Dr. Selvaraju N , IITG, Guwahati
Dr. Bharathiraja B , Saveetha Engg. College, Chennai	Dr. Senthilkumar S , IITG, Guwahati
Dr. Binod P , NIIST, Trivandrum	Dr. Sindhu R , TKM Institute of Technology, Kerala
Dr. Dharmalingam K , Chaitanya Bharathi Institute of Technology, Hyderabad	Dr. Sumitha V , SVCE, Sriperumbudur
Er. Padma B , Amec Foster Wheeler India Private Limited, Chennai	Dr. Sunita Varjani , Gujarat PCB, Gandhinagar
Dr. Pakshirajan K , IITG, Guwahati	Dr. Thallada Bhaskar , CSIR- IIP, Dehradun
Er. Praveen Kumar R , AEC, Tiruvannamalai	Mr. Vasantha Murugesh A , SAI Life Sciences Ltd., Hyderabad
Dr. Pugalenti V , Anna University, Trichy	Dr. Venkata Mohan S , IICT, Hyderabad
Dr. Radha K V , Anna University, Chennai	Dr. Vishali S , SRMU, Chennai
	Dr. Yogendrashastri , IIT Bombay, India



About the University

In the early 1920s Rajah Sir S. R. M. Annamalai Chettiar founded Sri Minakshi College, Sri Minakshi Tamil College and Sri Minakshi Sanskrit College at Chidambaram. The Annamalai University was founded in the year 1929 with seven departments by the benevolent, intuitive and noble hearted philanthropist Dr. Raja Sir Annamalai Chettiar of Chettinad who dedicated his life for its growth. The University has flourished into a premier, unitary and residential University over the years. One of the most significant developments is the enactment of the Annamalai University Act, 2013 (Tamil Nadu Act 20 of 2013), which has come into force from September 25, 2013. Annamalai University is accredited with 'A' Grade by NAAC in 2014. "The NIRF-2020" by the ministry of human resource development (MHRD) has ranked the University in the band 101 - 150 in the overall category as well as the university category. In the pharmacy category the ranking is 12th in India. In the medical category the ranking is 35th. "The Times Higher Education World University Ranking - 2021" has ranked Annamalai University in 1000+ for Overall category. In the subject category ranking, 2021, the University is ranked 601+ for clinical & health subjects, in the band of 801-1000 for engineering, 801+ for life sciences and 1000+ in the physical sciences subjects. The QS world university ranking - 2021" has ranked Annamalai University in the band of 301-350 in Asia ranking, and 39th in India ranking. "The CWTS Leiden ranking 2019", on scientific impact of universities and on universities' involvement in scientific collaboration & scientific performance, has ranked the University at 23rd based on the number of publications and 7th based on the proportion of publications that, compared with other publications in the same field and in the same year, belong to the top 10% most frequently cited. Among the top 212 ranked institutions for higher education in India the "SCImago institutional ranking (2019)" has ranked Annamalai University as 9th in Tamil Nadu and 29th in India.

Annamalai University is one of the largest unitary, teaching, and residential universities in southern Asia comprising of 10 faculties and 49 departments of study. This University has played a pivotal role in providing access to higher education to thousands of youth cutting across the social spectrum, especially from economically and socially disadvantaged classes. In this respect, this University's service to the nation is tremendous.

About the Department

The department of chemical engineering, one among the eleven departments under the faculty of engineering and technology was established in 1945 and stands second in the list of institutions to offer chemical engineering programme in Tamil Nadu. This department is a DST-FIST sponsored one and received research grants worth of Rs 341.51 lakhs from various funding agencies like AICTE, DBT, DST, MoEF, MoES, MoFP and UGC. This department offers undergraduate course in chemical engineering; postgraduate and doctoral programmes in chemical engineering and food processing technology; and doctoral programme in industrial biotechnology and industrial safety engineering.

Theme of the Conference

Chemical and biochemical engineering deals with the application of physical science, i.e., chemistry and physics, and life sciences with mathematics and economics, to the process of converting raw materials into more useful, valuable forms. In addition to this, modern chemical engineering is also concerned with development of valuable new materials and techniques for nanotechnology, pharmaceuticals, fuel cells and biochemical engineering applications.

The conference aims to foster interdisciplinary research in state-of-the-art methodologies and technologies within chemical and biochemical engineering. The meeting also targets to attract the participants with different backgrounds, to discuss innovative theories, frame methodologies, tools, and applications in these areas for improving the quality of life.

Call for papers

In concomitant with the said major themes this conference invites research papers of proven quality on the following sub-themes.

- Agricultural biotechnology
- Biodiversity conservation
- Bioenergy and environment
- Biomaterials
- Bioprocess engineering
- Bioreactors and bio-kinetics
- Biotechnology applications in medicine and health
- Catalysis and reaction engineering
- Chemical engineering fundamentals
- Environmental engineering and sustainable development
- Food technology
- Green technology
- Marine biochemicals
- Mathematical modeling
- Microbiology
- Nanotechnology
- Process safety management
- Process system, instrumentation and control

Submission of abstracts and manuscripts

The organizing committee invites abstracts not exceeding 300 words clearly mentioning the title (Times New Roman 14 bold) and names of the authors (Times New Roman 12) and their affiliations including the email id, mobile number and postal address (Times New Roman 10).

Please strictly follow the format given below when sending your abstract(s) to us.

1. Abstracts in MS-word format (compatible version) (Times New Roman 12)
2. Do not include tables or figures in the abstract
3. Use the following format for the names of authors: first name, initials of middle name, last name
4. Include 4 to 6 keywords below the abstract
5. Indicate (*) for the name of the corresponding author and (**) for the presenting author.
6. Send your abstracts to **cbsdauchem@gmail.com** or **<https://forms.gle/ALPcosiJ8X2Z6FUB7>** on or before 21 February, 2022.

Language

The official language of the conference is English. Translation facility will not be provided.

Participants

Persons from academia, industries, research scholars, college/university students can participate.

Registration Form

Name :
Designation :
Organisation :
Address :
Mobile number :
E-mail :
Title of research paper submitted :

Gender :
Participation type : Delegate / Author / Co- author
Amount paid (Academicians / Industrial delegates: Rs. 800; Students / Researchers: Rs. 400)
Mode of payment
Through Online / NEFT transfer :
Transaction ID: Date: Amount:

Signature of the candidate :

Important dates:

Submission of abstract : **21st February, 2022**
Confirmation of acceptance : **28th February, 2022**
Submission of registration form along with fees : **15th March, 2022**

Registration fees:

Academics / Industrial delegates : **Rs. 800**
Students / Researchers : **Rs. 400**
Foreign delegates : **US \$ 40**

Account details:

Account Name : **The Registrar, Annamalai University**
Account Number : **621201156619**
Bank Name : **ICICI BANK**
Branch : **Annamalai Nagar**
IFSC Code : **ICIC0006212**

Publications:

Selected research papers presented in the previous conferences were published in Indian Journal of Biotechnology, ChemTech Research and International Journal of Chemical Sciences. Selected research papers presented in CBSD-2022 will be published in reputed journals.

Best paper awards:

Best paper award (Student)

The paper must be presented by a full time College / University student.

Best paper award (Academicians)

The outstanding paper will be selected for the excellent paper awards.



Address for correspondence:

Dr. P. Mullai

Professor, Department of Chemical Engineering,
Faculty of Engineering and Technology,
Annamalai University, Annamalai Nagar - 608 002,
Tamil Nadu, India.

Mobile : **9486918357 / 9442521795 /**
9489229327 / 9489792050 / 9486792675

E-mail : **cbsdauchem@gmail.com**
Website : **www.annamalaiuniversity.ac.in**

Register Online



Abstract Submission Google Form Link: [CLICK HERE](#)

Registration Google Form Link: [CLICK HERE](#)