



**RUSA 2.0
sponsored
12th National Conference
on**

**“Challenges in Chemical, Biochemical and Food Technology for
Sustainable Development (CBFSD)”**



10 & 11 October, 2025

**Announcement
&
2nd Call for Papers**

Conference chairs : **Prof.P.Mullai**
Prof. M. Thenmozhi
Conference co-chairs : **Dr. V. Saravanan**
Dr.K. Manikandan

Organized by

Department of Chemical Engineering
(DST-FIST sponsored)

Faculty of Engineering and Technology

Annamalai University

(A State University accredited with 'A+' Grade by NAAC)

Annamalai Nagar - 608002, Tamil Nadu, India



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Member, Vice-Chancellor Convener Committee,
Annamalai University
Patron : **Prof. M. Prakash**
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Dean, FEAT, Annamalai University
Chairperson : **Prof. R. Saravanan**
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. V. Saravanan**
Dr. K. Manikandan
Associate Professors
Department of Chemical Engineering
Annamalai University.

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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

As mankind becomes more sophisticated and ambitious, the natural resources are overused and we face a number of problems such as hunger in different parts of the world, pollution and pollution related diseases, global warming and the one that has more direct effect on our lives, the non-availability and cost of fuels. Breakthroughs in biochemical engineering and food technology help address few of these problems and understand others. We have genetically engineered crops with improved yields and better pest resistance, biofuels that would replace the depleting fossil fuel supplies sans environmental hazards by maintaining the carbon balance, enzyme based detergents that replace the conventional chemicals that pollute the water bodies and so on. Research on marine biotechnology gives ideas on drug discovery, new materials, raw materials for processing industries and increasing productivity of seafood. Extension of these research findings from the laboratory to the industry poses a number of problems that should be tackled successfully and efficiently. Scientists working in the field of biochemical engineering and food technology have the vision for a world free of hunger, diseases and pollution. This conference intends to bring together academic and industrial researchers into fruitful deliberations on advanced technologies that aim at successful handling of the challenges in these areas for improving the quality of life.

Annamalai University Chemical Engineering Students Congress

Flash presentation sessions for the Annamalai University Chemical Engineering students will be organized

Call for papers

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

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|--|---|
| ➤ Agricultural biotechnology | ➤ Bio environmental engineering |
| ➤ Biodiversity conservation | ➤ Food processing & preservation |
| ➤ Bioenergy and environment | ➤ Green energy & bioenergy |
| ➤ Biomaterials and biocatalysts | ➤ Marine biochemicals |
| ➤ Bioprocess engineering | ➤ Mathematical modeling and simulation |
| ➤ Bioreactors and bio-kinetics | ➤ Microbiology & anti microbials production |
| ➤ Bio thermodynamics | ➤ Applications of nanotechnology |
| ➤ Biotechnology applications in medicine | ➤ Food safety, toxicology & packaging |
| ➤ Enzymes and protein engineering | ➤ Bioprocess instrumentation and control |
| ➤ Food chemistry & biochemistry | ➤ Ecological role of bioactive compounds |
| ➤ Non thermal processing of food | ➤ Marine ecosystem |

Submission of extended abstracts

The organizing committee invites extended abstracts not exceeding 1000 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.

- Abstracts in MS-word format (compatible version) (Times New Roman 12)
- Do not include tables or figures in the abstract; Include two or three references

Reference style

Text: All citations in the text should refer to:

1. Single author: the author's name (without initials, unless there is ambiguity) and the year of publication;
2. Two authors: both authors' names and the year of publication;
3. Three or more authors: first author's name followed by 'et al.' and the year of publication

For book:

Levenspiel O. Chemical reaction engineering. Singapore: John Wiley and Sons (Asia) Pvt. Ltd.; 1991.

For book chapter:

Mullai, P., Yogeswari, M.K., Estefanía Lopez, M., Eldon, R.R., 2016. Fermentative biohydrogen production from wastewaters: An exploration for sustainable green energy. In: Ngo, H.H., Guo, W., Surampalli, R.Y., Zhang, T.C. (Eds.), Green Technologies for Sustainable Water Management. American Society of Civil Engineers, pp. 829–865.

For journal:

Mullai, P., Vishali, S., Sabarathinam, P.L., 2018. Biogas production kinetics in an anaerobic multiphase hybrid reactor treating antibiotic industry wastewater. Desalin. Water Treat. 122, 247–253.

- Use the following format for the names of authors: first name, initials of middle name, last name
- Include 4 to 6 keywords below the abstract
- Indicate (*) for the name of the corresponding author and (**) for the presenting author.



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Registration link

<https://forms.gle/ciLSvPKURCzzvBuF8>

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. 1000;UG : Rs 300 and PG Students Rs 500, Researchers: Rs. 700)

Mode of payment

Through Online/NEFT transfer :

Transaction ID: Date: Amount:

Signature of the candidate :

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.

Important dates

Submission of abstract : **15th September, 2025**
Confirmation of acceptance : **15th September 2025**
Submission of registration form along with fees : **20th September, 2025**

Registration fees

Academics : **Rs.1000**
Students(UG) : **Rs.300**
Students(PG) : **Rs.500**
Researchers : **Rs 700**
Industrial delegates : **Rs.1500**

Registration link / QR CODE

<https://forms.gle/ciLSvPKURCzzvBuF8>



DD Details

DD Name : **The Registrar, Annamalai University**
Payable at : **Annamalai Nagar**

Publications

Extended abstract of two pages will be published in conference proceedings with ISBN

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 awards.

Address for correspondence

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