



ANNAMALAI UNIVERSITY
(Accredited with 'A' Grade by NAAC)
Celebrating the 90th Anniversary

**4th National Conference
on**

**“Challenges in Chemical Engineering and
Biosciences for Sustainable Environment (CBSE)”**

15 &16 February, 2019.

Organized by

**Department of Chemical Engineering,
Faculty of Engineering & Technology
Annamalai University, Annamalai Nagar – 608002
Tamil Nadu, India.**

Registration Form

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

Would like to participate in the conference as
Delegate/Author/Co- author :
Particulars of registration fees (Please tick):

Amount paid (Academics: Rs. 750/ Students / Researcher :Rs. 300)

D.D. No.: Date : Bank :

Accommodation required : Yes / No

Type of accommodation : Guest House / Hotel (on payment)

Date :

Signature of the participant

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Professor
Department of Chemical Engineering,
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Conference Co-chairs : **Dr. K. Manikandan**
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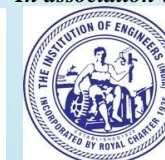
15 &16 February, 2019.

**Announcement
&
Call for Papers**

Organized by

**Department of Chemical Engineering,
Faculty of Engineering & Technology
Annamalai University, Annamalai Nagar – 608002
Tamil Nadu, India.**

In association with



Conference Chair :Dr. P. Mullai
**Conference Co-Chairs :Dr. K. Manikandan &
Dr. M. Karuppiaya**



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. In 1928, Rajah Sir S. R. M. Annamalai Chettiar agreed with the local Government to handover the above said institution for establishing a University. Thus, on 01.01.1929 Annamalai University was established as per Annamalai University Act 1928 (Tamil Nadu Act 1 of 1929). 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-2018" 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 20th in India. In the Medical Category the ranking is 24th. "The Times Higher Education World University Ranking - 2019" has ranked Annamalai University in 1000+ for Overall category. In the Subject category Ranking, 2019, the University is ranked in the band of 501-600 for life Sciences and pre-clinical, clinical & health subjects. 800+ in the physical sciences subject. "The QS World University Ranking - 2019" has ranked Annamalai University in the band of 291 - 300 in Asia Ranking, 174 in the BRICS Ranking and 43 in India Ranking. "The CWTS Leiden Ranking 2018", on scientific impact of universities and on universities' involvement in scientific collaboration & scientific performance, has ranked the University at 20th based on the number of publications and 4th 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. "The MDRA - India Today Ranking" (2018) has ranked Annamalai University 13th among the best Government Universities in India. Among the top 197 ranked institutions for Higher Education in India the "SCImago Institutional Ranking (2018)" has ranked Annamalai University as 7th in Tamil Nadu and 32nd 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 3.7 crores from various funding agencies like AICTE, DBT, DST, MoEF, MoES, MoFP and UGC. This department offers undergraduate, postgraduate and doctoral programme in Chemical Engineering and postgraduate and doctoral programme in Industrial Biotechnology, Food Processing Technology and Industrial Safety Engineering. Furthermore, this department conducts diploma courses such as Industrial Safety, Industrial Hygiene, Petroleum Refinery Engineering, Food and Nutrition, Quality Control and Analysis of Industrial Chemicals through Directorate of Distance Education.

Theme of the conference

Chemical 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 or chemicals into more useful or valuable forms. In addition to producing useful materials, modern chemical engineering is also concerned with pioneering valuable new materials and techniques such as nanotechnology, fuel cells and biochemical engineering.

Its applications are in the food, pharmaceutical, biotechnology, and water treatment industries. The conference aims to foster interdisciplinary research in state-of-the-art methodologies and technologies within Chemical Engineering and Biosciences. The meeting also targets to attract participants with different backgrounds, to discuss innovative theories, frame works 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.

- > Chemical engineering fundamentals
- > Chemical engineering educational challenges and development
- > Catalysis and reaction engineering
- > Process system, instrumentation and control
- > Mathematical modeling
- > Process safety management
- > Bioprocess engineering
- > Bioreactors and biokinetics
- > Biomaterials
- > Bioenergy and environment
- > Biotechnology applications in medicine and health
- > Biodiversity conservation
- > Marine biochemicals
- > Food technology
- > Microbiology
- > Agricultural Biotechnology
- > Nanotechnology
- > Sustainable and clean technologies
- > Environmental engineering and sustainable development
- > Green technology

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 and postal addresses (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 cbseauch@gmail.com on or before 25 January, 2019.
7. Only two entries are allowed for single registration.

Language

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

Participants

Persons from industries, academicians, research scholars, College/University students can participate. School students (8th to 12th Standard) can also participate.

Important dates

Submission of abstract	: 26 January, 2019
Confirmation of acceptance	: 26 January, 2019
Submission of registration form along with fees	: 28 January, 2019

Registration fees

Academics	: Rs. 750
Students/Researchers	: Rs. 300
Industrial delegates	: Rs. 1000

The registration fee should be sent through Bank Demand Draft payable at Annamalai Nagar, drawn in favour of Registrar, Annamalai University, payable at Annamalai Nagar - 608002. Registration fees cover attendance at all the conference sessions, morning and afternoon teas, lunches and conference materials.

Proceedings

The conference proceedings with ISBN to be brought out will contain invited lectures and contributed papers. 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 CBSE-2019 will be published in reputed journals.

Paper awards

School student paper award

The paper must be presented by the school student, a young scientist of age between 13 and 18 years.

Best paper award (Student)

The paper must be presented by a full time college/university student.

Best paper award (Academics)

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

Sponsorship / Co-sponsorship

Leading organizations, funding agencies, industries, scientific publishers of books and journals and equipment manufacturers and allied services are invited to sponsor the conference lunch, dinner, kits etc. Sponsors / Co-sponsors will find their names reflected in the conference publication and literature and would be prominently displayed at the conference venue. The sponsors will be given a hall for their product display.

Advertisement

Space will be made available for advertisements in the souvenir of the conference. Interested organizations' may contact the organizers for further details.

Accommodation

Accommodation for invited delegates will be arranged in the University guest house on request with payment.

Address for correspondence

Dr.P. Mullai/ **Dr. K. Manikandan & Dr. M. Karuppaiya**
Professor/ **Assistant Professors**

Department of Chemical Engineering

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