

IPACT-2019 CALL FOR PAPERS

Original papers (plagiarism free) on research related to the theme of the conference are invited for oral presentation. The thrust topics include the following (but not restricted)

- ❖ Treatment on various industrial effluent
- ❖ Treatment on Heavy metal absorption and biosorption
- ❖ Treatment on Solid waste management
- ❖ Treatment on Radioactive wastes
- ❖ Treatment on Radioactive wastes
- ❖ Advances and application of Membrane science and Technology for industrial effluent treatment
- ❖ Advances and application of Electrochemical Technology for industrial effluent treatment
- ❖ Advances and application of Industrial Biotechnology for industrial effluent treatment
- ❖ Advances and application of Marine Biology and Marine Sciences for industrial effluent treatment
- ❖ Environmental Pollution and control - Legal Aspects for industrial effluent treatment
- ❖ Energy efficiency in wastewater treatment
- ❖ Sustainable and clean technologies
- ❖ Green Technology
- ❖ Bio-gas and Bio-energy production from solid waste
- ❖ Odor control and management
- ❖ Waste water engineering and water management
- ❖ Waste water reclamation and reuse
- ❖ Groundwater recharge with reclaimed water
- ❖ Impact on agricultural and land irrigation and risk assessment
- ❖ Public health and environmental issues in wastewater reuse
- ❖ Environmental Impact Assessment in Industrial Effluent Treatment
- ❖ Advances in control and instrumentation engineering in process industries
- ❖ Common Effluent Treatment Plants in India
- ❖ Upgrading Waste Water Treatment Performance
- ❖ Zero Liquid Discharge
- ❖ Issues Related to Treatment and Plant Performance
- ❖ Bioreactors and reactors used for the industrial effluent treatment
- ❖ Modeling of ideal and non ideal flow reactors for the industrial effluent treatment
- ❖ Modeling treatment process kinetics
- ❖ Simulation design models
- ❖ Global Environmental Issues
- ❖ Pollution Control in Developing Countries
- ❖ Effects of fertilizers, pesticides, and polymers ext.,

Authors are requested to submit their paper in MS-word format adhering to the guidelines: Bookman Old style, font size of 12 on A-4 paper size with 1.5" left margin and 1.0" margin space on right, top and bottom with 1.5 line spacing. The paper should contain a brief abstract (maximum of 200 words, 5 key words and complete mailing address of the authors), Introduction, Materials and Methods, Results and Discussions, Conclusions, Acknowledgment (if any) and References.

The manuscript will be peer reviewed and published in the conference proceedings with ISSN/ISBN. Authors are sole responsible for the plagiarism check. Subject to the approval of funding agencies for conference proceedings, a copy of proceeding will be issued to the presenting author. The electronic version of the full length of manuscript should be submitted through Email: ipact2019chemical@gmail.com

IMPORTANT DATES

Submission of Manuscript (on or Before)	:	18.02.2019
Intimation of acceptance	:	21.02.2019
Submission corrected manuscript (With signed undertaking form)	:	28.02.2019

REGISTRATION FEES

Duly filled in registration form should be submitted (after receiving acceptance from the review committee) along with the registration fee in the form of Demand Draft in favor of "THE REGISTRAR, ANNAMALAI UNIVERSITY" payable at ANNAMALAI NAGAR - 608002.

Participants from Industry and R&D organizations	:	Rs 1000
Participants from academic institutions	:	Rs 600
Research scholars & PG Students	:	Rs 400
Only participation (UG and PG Students alone)	:	Rs 200

FOOD & ACCOMMODATION

Food will be arranged in the university guest house. Accommodation will be arranged only for out station participants in the university guest house based on prior request



2nd National Conference
on

INDUSTRIAL POLLUTION AND CONTROL TECHNOLOGY [IPACT 2019]

13th and 14th March, 2019

Funded by
SERB-DST



Science and Engineering Research Board
Department of Science and Technology

Government of India
New Delhi



Organized by

Department of Chemical Engineering
Faculty of Engineering and Technology

ANNAMALAI UNIVERSITY

(Accredited with 'A' Grade by NAAC)

Annamalainagar - 608 002

TAMILNADU, INDIA.



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.

The Department of Chemical Engineering, a DST FIST sponsored department, was started in the year 1945. It was the second college to offer an undergraduate programme in Chemical Engineering in Tamilnadu. All the laboratories are well equipped with most modern equipment. The first PhD of the Faculty of Engineering and Technology is from this department and has thus far produced 100 PhDs. The department offers 12 programmes through Distance Education. It has an excellent industrial tie up. The department boasts an unparalleled support from its Alumni. The supporting agencies to our department are University Grants Commission, Dept. of Biotechnology, Department of Science & Technology, Ministry of Environment & Forest, Ministry of Food Process Industries and Ministry of Earth Science.

IPACT-2019



Industrial revolution that originated in 18th century led to the invention of many machines and materials that transformed the lives of human being. Also this started controlling the economy of a country providing employment opportunities. Exploitation of natural resources has been the major source of industrial revolution. However this has led to serious impact on environment. Land, water and air are suffering from severe pollution owing to industrialization and urbanization. This poses both acute and chronic health effects to all the living creatures that live on earth. To overcome this problem it is mandatory to formulate new environmental friendly technologies and processes that yield efficient waste treatment methods. The mission for the development of new alternative technologies is a never ending process. This vision led to the conduct of the national conference on IPACT-2013 in the Department of Chemical Engineering, Faculty of Engineering and Technology, Annamalai University, Annamalai Nagar 608002, Tamil Nadu, India during 14th and 15th March, 2013. This conference helped to bring out the relevance of this approach in process industry and its facets that would help to overcome several of long standing industrial and environmental issues.

IPACT - 2013 has received a good response from all over India. There were 105 submissions in total from 29 institutions including Karnataka, Madhya Pradesh, Pondicherry, Rajasthan, Himachal Pradesh and Tamil Nadu. 75 papers were selected for oral presentation and accommodated in 5 sessions.

The success of IPACT-2013 encouraged to host the second edition of the National Conference Industrial Pollution and Control Technology - 2019 (IPACT-2019) during 13th and 14th of March, 2019

TRAVEL GRANT - SERB-DST



The Science and Engineering Research Board (SERB) is a statutory body established through an Act of Parliament. Supporting basic research in emerging areas of Science & Engineering are the primary and distinctive mandate of the Board. It also extends partial support on a selective basis, for organizing conferences at national as well as international level. The support is provided to Research Institutes/Universities/Medical and Engineering Colleges and other Academic Institutes/Professional Bodies which organize such events for the scientific community to keep them abreast of the latest developments in their specific areas. The support is generally given for encouraging participation of young scientists and research workers in such events and publication of proceedings/abstracts for wider dissemination. The organizers of IPACT-2019 thank the authorities of SERB-DST for their valuable consideration and the partial financial support on this National Conference to TA/DA to the young and senior scientist. Hence we are happy to reimburse the travel allowance to one registered participant per paper as per the university norms from the SERD-DST funding upon the submission of original confirmed tickets.

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Dean, FEAT, Annamalai University

Conference Director : **Prof. Dr. C. Karthikeyan**
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Annamalai University

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