

## Organizing Committee



**CHIEF PATRON**  
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Vice - Chancellor,  
Annamalai University.



**PATRON**  
Prof. K. SEETHARAMAN,  
Registrar (i/c),  
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**PRESIDENT**  
Prof. A. MURUGAPPAN,  
Dean, FEAT,  
Annamalai University.

### Conveners



Prof. S. VAIDYANATHAN,  
**Professor & Head**  
Dept. of Mechanical Engg.,  
Annamalai University.



Prof. C.G. SARAVANAN,  
**Professor & Director**  
Dept. of Mining Engg.,  
Annamalai University.

### Co-Ordinators



**Dr. D. KARTHIKEYAN,**  
Associate Professor,  
Dept. of Mechanical Engg.,  
Annamalai University.



**Dr. S. SARAVANAN,**  
Associate Professor,  
Dept. of Mechanical Engg.,  
Annamalai University.

### Advisory Committee

**Prof. K. Raghukandan,**  
Former Dean, FEAT, AU

**Prof. B. Sivaraman,**  
Prof. & Former Head,  
Dept. of Mech. Engg, AU

**Prof. S. Murugan,**  
Professor cum Director, DRD, AU

**Prof. A. Ragupathy,**  
Professor cum Director,  
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**ANNAMALAI UNIVERSITY**

(Accredited with 'A+' Grade by NAAC)

**Faculty of Engineering and Technology  
Department of Mechanical Engineering**

(BE Degree Program Accredited By NBA )  
Organizes



**Rashtriya Uchchatar Shiksha Abhiyan 2.0  
Sponsored**



**National Conference on**

**ENGINEERING APPLICATIONS  
ON ALTERNATE FUELS,  
SUSTAINABLE ENERGY  
AND BIO-MATERIALS**

**NCASB23**

**27.04.2023 and 28.04.2023**



<https://annamalaiuniversity.ac.in/>

## 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 2022. 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 12<sup>th</sup> in India. In the Medical category the ranking is 35<sup>th</sup>. In 2021, Times Higher Education World University ranking placed Annamalai University at 1000+ (overall), 601 (Clinical and Health subjects), 801-1000 band (Engineering Sciences) and 1000 plus (Physical sciences). In 2021, Quacquarelli Symonds (QS) company has placed Annamalai university at 301-350 band (Asia) and 39<sup>th</sup> (India). In 2019, Centre for Science and Technology studies of Leiden University in Netherlands (CWTS), ranked Annamalai University as 23<sup>rd</sup> (Number of publications) and 7<sup>th</sup> (frequency of citation). In 2019, Scimago, a research group working on scientific influences in University of Granada, Madrid in Spain ranked Annamalai University as 29<sup>th</sup> (India) and 9<sup>th</sup> (Tamilnadu). 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 Mechanical Engineering, Annamalai University made pioneering and significant contributions in the thrust areas like Alternative Fuels, IC Engine Emission Control, Heat Transfer, Computational Studies, Solar Energy and Refrigeration. Many STTP, FDP, National level Seminars and workshop have been organized in the past. Various R&D project works are completed and few are under progress with financial aid from reputed funding agencies. Well-equipped laboratories are offering practical courses and experimental

facilities for research. The department offers under graduate, post graduate, and doctoral programs. The Department is DST- FIST funded one.

## Call for research articles

The aim of the conference is to bring together Industrialist, Engineers, Academicians, Scientists, Researchers, Research Scholars and Students to exchange and share their experience and research results covering the topics related to engineering applications on Alternate Fuels, Sustainable Energy and Bio-Materials. The participants are invited to submit an abstract (200-300 words) of their original work in word format by email to [ncasb23@gmail.com](mailto:ncasb23@gmail.com). The selected abstracts shall be presented as oral paper and the same will be published in the conference proceedings. The findings should not have been published in any other journals or conference proceedings.

### Post conference, selected papers will be recommended for publication in

1. Indian Journal for Science and Technology (Indexed in Web of Science) @ reduced fee
2. Journal of Manufacturing Engineering



## Conference Theme

Topics of interest include, but not limited to:

- Renewable and Advanced Energy Sources
- Automobiles
- Alternate Fuels
- CAD/CAM/CIM
- Advanced Engineering Materials
- Mechanical Design
- Fluid Flow and Heat transfer
- Mechanical and Manufacturing Systems
- Tribology, Wear and Surface Engineering
- Composites and Functional Materials
- Coal to Clean Energy and Syn Gas Production.

## Important Dates

- Abstract Submission last date: 15 Apr 2023
- Notification of acceptance : 18 Apr 2023
- Conference date: 27 & 28 Apr 2023

## For registration

scan here



## Registration fee:

Category	INR
Faculty/Academia	1000
Delegates from Industry	2000
Research Scholars	500
UG/PG students	250

<https://forms.gle/J2fftt2Ngov1zxCH9>

The registration fee should be sent through Demand Draft drawn in favour of "The Registrar, Annamalai University" payable at Annamalainagar-608002.