

Fee details

Category	Amount (INR)
PG / UG Students	100/-
Research Scholars / Post-doctoral Fellows	250/-
Faculty / Principal Investigators / Scientists	1500/-
Foreign Delegates	3500/- (US\$50)

REGISTRATION DETAILS

Participants are requested to apply for registration in the prescribed format. Registration fee includes food, conference abstract and kit. Registration fee does not include accommodation. Upon prior requests accommodation will be arranged in University guest house/hostels. Outstation participants have to make their own arrangement for transportation. The details about how to reach Annamalai University are provided in the University web page.

Registration fee may be paid as Demand Draft in favour of **The Registrar**, Annamalai University, Annamalainagar. For Foreign Delegates : Online payment may be made through ICICI SBA/C No. 621201156619, IFSC Code ICIC0006212.

AWARDS

Three presentations will be selected for Best Oral Presentation Award based on its subject content and presentation. The awards are decided at the end of the conference and each winner will receive a cash award with a certificate of appreciation during the Valedictory ceremony.

IMPORTANT DATES

Abstracts & Registration	: 03-01-2020
Full length Paper	: 10-01-2020
Acceptance of Abstracts	: 12-01-2020

For Correspondence:

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Dean, Faculty of Science
Convener, ASM - 2020

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Sponsors :



ORGANIZING COMMITTEE

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ANNAMALAI UNIVERSITY

(Accredited with 'A' Grade by NAAC)

INTERNATIONAL CONFERENCE ON APPLICATIONS OF SMART MATERIALS (ASM - 2020)

February 05 - 07, 2020



Organized by

DEPARTMENT OF CHEMISTRY
DEPARTMENT OF PHYSICS
DEPARTMENT OF BIOCHEMISTRY & BIOTECHNOLOGY
DEPARTMENT OF PHARMACY

ANNAMALAINAGAR - 608 002.
TAMILNADU, INDIA
www.annamalaiuniversity.ac.in

ABOUT THE HOST 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. "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 CONFERENCE

Smart Materials are the materials that can sense and react to changes caused by the external stimuli or due to environmental factors and they can undergo a transformation of their material property. The stimuli could be pressure, temperature, electric and magnetic fields, chemicals, hydrostatic pressure or nuclear radiation. The associated changeable physical properties could be shape, stiffness, viscosity or damping. Smart Polymers, a kind of smart material are widely used for some advanced applications like smart drug delivery. Smart materials technology incorporating piezoelectric transducers was pioneered in the aerospace industry, optical and micro-gravity experiments. Now a days, biomedical approaches specifically make use of metamorphic polymers to improve drug-delivery systems, therapies and to develop advancements in tissue engineering applications. Some of these approaches are based on biomimetic approaches, some others depend on the specificity of the variations of temperature, pH, or electrical signals within the living body.

The goal of this inter-disciplinary International Conference on "Applications of Smart Materials (ASM-2020)" is to provide a global platform for researchers from academia and industry and different regions of the world to present their research results and activities in this emerging research field. The conference will provide opportunities for the delegates to exchange their novel ideas and experiences with the international experts. Thus, the ASM-2020 will surely be a platform for the discussion and presentation of new advances in the fields of Smart Materials. The organizing committee is confident that participants will benefit from the high value scientific program.

CONFERENCE TOPICS / THEMES

We welcome all the researchers to join us for this interdisciplinary event for stimulating discussions and knowledge sharing on the following titles that includes but not limited to

- ❖ Smart Structures
- ❖ Characterization and Behavior of Smart Materials
- ❖ Smart Multifunctional Materials
- ❖ Energy Harvesting and Storage devices
- ❖ Sensors, Transducers & Actuators
- ❖ Smart Optical and Electronic Materials
- ❖ Smart Ceramics and Spectroscopic Materials
- ❖ Organic Light - Emitting Diode Materials
- ❖ Biopolymers, Fibers and Composite Materials
- ❖ Smart Nanomaterials
- ❖ Smart Drug Delivery Devices
- ❖ Smart Biomaterials and Medical Devices
- ❖ Intelligent Drug Release Systems
- ❖ Biomimetic Bioactive Biomaterials
- ❖ Biomaterials in Pharmaceuticals
- ❖ Drug Design, QSAR and Molecular Docking Studies

A large number of eminent faculties and students from various parts of World are expected to participate in the Conference. There will be key note lectures/invited talks by eminent scientists and oral presentations by the young researchers.

ABSTRACT SUBMISSION

Abstracts must be submitted directly to the conference email id: asm2020.au@gmail.com.

A structured abstract is required and should be organized into the following four required sections: Background, Methods, Results and Conclusion. The abstract must contain title of paper, name, complete mailing address, phone, fax and email of first author and name, affiliation, city and state of additional authors. The abstract should be submitted as a Microsoft Word DOC file. Font: Times New Roman; Size: 12. Upon receipt of the completed registration form and abstract the acceptance of the abstract for oral / poster presentation will be intimated to the participants by email. Certificate will be issued only to the registered delegates.

REGISTRATION FORM

Applications of Smart Materials (ASM - 2020)

February 05-07, 2020

Annamalai University,
Annamalainagar, Tamilnadu, India

Name (in Block Letters) :
Designation :
Organization :
Address for Communication :

Phone :
E-mail :

Presentation mode : Oral / Poster

Participant as Delegate/
Author/Co-Author :

Details of Demand Draft (Drawn in favour of "**The Registrar,
Annamalai University**") payable at Annamalainagar.

Foreign Delegates : Online payment may be made through ICICI SB A/C
No. 621201156619, IFSC Code : ICIC0006212.

Bank Details :
Name :
Branch :
Date :
DD No. :

The registration form, hard copy of the abstract along with D.D. should be posted to :

Dr. S. Kabilan, Ph.D.
Convener, ASM - 2020
Professor of Chemistry
Dean, Faculty of Science
Annamalai University
E.mail : deanscienceau@gmail.com
Mobile : +91-94439 24629



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APPLICATIONS OF SMART MATERIALS
(ASM - 2020)**

February 05 - 07, 2020

Book Post

From

Dr. S. Kabilan, Ph.D.

Convener, ASM - 2020

Professor

Department of Chemistry

Dean, Faculty of Science

Annamalai University

E.mail : deanscienceau@gmail.com

asm2020.au@gmail.com

To

Dr./Mr./Mrs.
