

## About 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-2019" 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 th in India. In the Medical Category the ranking is 25<sup>th</sup> . "The Times Higher Education World University Ranking - 2020" 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, 601+ in Pre-clinical, clinical & Health Subjects. 801+ in the Physical Sciences subject and Engineering. "The QS World University Ranking - 2020" has ranked Annamalai University in the band of 291 - 300 in Asia Ranking, and 39 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 23<sup>rd</sup> based on the number of publications and 7<sup>th</sup> 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 9<sup>th</sup> in Tamil Nadu and 29<sup>th</sup> 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 Department

Department of Pharmacy, established in 1982, is one of the pioneer Pharmaceutical Education and Research Centres in the country. Currently it offers the following programmes: Diploma in Pharmacy, Bachelor of Pharmacy (Regular and Lateral Entry), Master of Pharmacy (Industrial Pharmacy, Master of Pharmacy (Pharmaceutical Quality Assurance) and Master of Pharmacy (Pharmacology), Doctor of Pharmacy (Regular and Post Baccalaureate) and PhD. These programmes are approved by relevant statutory authorities. Department is ranked at 12th position among pharmacy institutions in the country and 2nd position in Tamil Nadu by National Institutional Ranking Framework (NIRF - 2019), MHRD, Government of India. The Department is well equipped with facilities for training and research activities. It is currently at UGC SAP Phase II and DST FIST Phase I Extension Levels for research and development.

### Patrons

**Prof. V. Murugesan**, Honourable Vice Chancellor, Annamalai University

**Prof. N. Krishna Mohan**, Registrar (i/c), Annamalai University

### Advisors

**Dr. K. Raghukandan**, Prof. & Dean, Faculty of Engg. & Tech. Annamalai University

**Dr. Prabal Kumar Manna**, Professor, Department of Pharmacy, Annamalai University

### Resource Persons

**Dr. N. Udupa**, Professor & Research Director (Health Sciences) Manipal Academy of Higher Education, Manipal

**Dr. Valliappan Kannappan**, Adjunct Professor, IISM, SRM Institute of Science & Technology, Kattankulathur, Chennai

**Dr. R. Manoj Kumar**, Professor, Pharmaceutical Chemistry, University Institute of Pharmaceutical Sciences, Panjab University

**Dr. Guru Prasad Mohanta**, Professor & Head, Department of Pharmacy, Annamalai University

### Venue

**AUMTEC' 71 Hall**, Faculty of Engineering and Technology, Annamalai University.

### Contact

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Associate Professor

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Annamalai  University

[State University Accredited with 'A' Grade by NAAC]

**National Conference on  
Chiral and Nano Technology: Application in Drug  
Design, Development and Use**

(CNTA 2020)

Sponsored by



UGC SAP DRS Phase II



6 & 7 March 2020

**Director**

**Dr. Guru Prasad Mohanta**

Professor & Head,

Coordinator UGC SAP

Department of Pharmacy, Annamalai University

**Chief Coordinator**

**Dr. P. Venkatesan**

Associate Professor

Deputy Coordinator UGC SAP

Department of Pharmacy, Annamalai University

**Coordinators**

**Dr. T. Sivakkumar**

**Dr. S. Selvamuthukumar**

**Dr. K. Kannan**

**Dr. M. Swamivel Manickam**

**Dr. R. Suresh**

Associate Professors, Department of Pharmacy

**Organised by**

**Department of Pharmacy**

Faculty of Engineering and Technology

Annamalai University

Annamalai Nagar - 608 002

Tamilnadu

### About Conference

Many of the compounds associated with living organisms are chiral, for example, DNA, enzymes, antibody and hormones. Thus biology is very sensitive to chirality and the activity of drugs also depends on which enantiomer is used. Most drugs consist of chiral molecules and since a drug must match the receptor in the cell, it is often only one of the enantiomer that is of interest. In certain cases the other enantiomer may be harmful. Today there is lot of pressure from the regulatory agencies (US FDA) on the issues of drug chirality. Hence pharmaceutical companies have to make sure that both the enantiomers of the drug are tested for their biological activity and toxicity before they are marketed. It is likely our regulatory agencies also impose such restrictions on the design and development of chiral drugs. 2001 Noble Prize for chemistry has been awarded for the development of catalytic asymmetric synthesis. Nanomedicine is an application of science to achieve innovation in healthcare. It uses the properties developed by a material at its nanometric scale which often differ in terms of physics, chemistry or biology from the same material at a bigger scale. The conference offers a great opportunity to share new ideas relating to recent developments in the fields of nanotechnology and nanomedicine which involves the discoveries and new updates in the fields of nanotechnology and medical nanotechnology. Nanotechnology scientists and researchers will come to know about more information regarding their research subjects and will be able to establish their view at a global level.

### Thrust Areas

- Pharmaceutical Technology, Nanotechnology and Biotechnology
- Pharmacognosy and Phytochemistry
- Pharmacology, Clinical Research and Pharmacovigilance
- Pharmaceutics, Bio-pharmaceutics and Drug Metabolism
- Drug Discovery and Development
- Chiral Synthesis and Separation
- Hospital, Community and Clinical Pharmacy
- Pharmaceutical Analysis and Quality Assurance
- Regulatory Affairs and IPR
- Pharmaceutical Chemistry and Medicinal Chemistry
- Pharmaceutical Education and Professional Pharmacy

### Who Can Attend

The under graduate, post graduate students, research scholars and teachers working in recognized professional colleges/universities and hospitals, with an interest to improve their research capability. The seats are limited, and the selection will be made on 'First come first serve' basis.

### Registration Fee

For under graduate/ post graduate students Rs. 300/-, research scholars and others 750/- and spot registration Rs. 1000/-.

### Accommodation

Accommodation will be provided on request and payment basis in the University Campus. For students: Rs. 200.00/ Day (Non-A/C on sharing basis), Others: Rs. 200.00/Day (Non-A/C on sharing basis) Rs. 600.00/Day Individual (Non-A/C) Rs.1200.00/Day Individual (A/C) may be paid as mentioned above.

**Registration/Accommodation Fee** is payable in the form of Demand Draft drawn in favour of **"Registrar, Annamalai University"** payable at **Annamalai nagar**. Payment Receipt should be attached with the Registration form.

### ePoster Specification

The area for poster will be 0.95 meter x 1.2 meter. The title of the poster should cover the full width of the poster. The title should be brief, informative and written in bold letters. The names of authors address/es should be written below the title in small letters. The name of the presenting author should be underlined. The sizes of the letter should be such that a viewer can read it from 2 meter distance. The message should be clear, understandable and self-explanatory. The maximum duration of presentation is limited to 8 minutes.

### Call for Papers

The abstract should contain 250 words. The abstract should start with title in bold in running title case with font size of 14 followed by title, author(s) name with affiliation. The presenting author name should be in bold and underline with font size of 10. The abstract should be structured with background, aim, methodology, results and conclusion. Typed in A4 Sheet having 1 inch by 1 inch all side margins. Submit your research paper through email: [aucnta2020@gmail.com](mailto:aucnta2020@gmail.com)

### Important Dates

Last Date for abstract submission : **20 February, 2020**

Last Date of Registration : **25 February, 2020**

### How to Apply

Fill up the application form provided with this brochure and send it through proper channel to the address mentioned in overleaf. The same can be downloaded from Annamalai University website and send the hard copy of the duly filled application form to the organizing committee members by speed post on or before **28 February 2020**.

Conference Proceedings: All accepted abstracts for the conference will be published in the conference abstract book with an associated ISBN.

[State University Accredited with 'A' Grade by NAAC]  
**Department of Pharmacy**  
[DST FIST and UGC SAP DRS Phase II Assisted  
Department]

UGC SAP DRS Phase II Sponsored  
Two Days National Conference on

**Chiral and Nano Technology: Application in Drug  
Design, Development and Use (CNTA 2020)**

6 & 7 March 2020

### REGISTRATION FORM

(Photocopies of this form is acceptable)

Name :  
Designation :  
Institute Name :  
Address for Correspondence:

Contact No. :  
E-mail Address :  
Accommodation Required: Yes / No  
If Student, Year & Name of the Course :  
(Attach proof)  
Oral/ Poster Presentation (Preference):  
Title of the paper:

Payment Details: DD No.: \_\_\_\_\_ Date: \_\_\_\_\_  
Bank Name: \_\_\_\_\_ Amount: Rs. \_\_\_\_\_  
NEFT/ Online Transfer Transaction ID: \_\_\_\_\_

Signature of the Participant

### Recommendation from the Head of organization

The application of Dr./Mr./Miss./Mrs. ....  
student / employed as \_\_\_\_\_ is forwarded  
for consideration . She/he will be relieved on time to attend the  
conference.

Signature with seal