

ANNAMALAI UNIVERSITY

(Accredited with 'A' Grade by NAAC)

DEPARTMENT OF BOTANY (UGC-SAP & DST-FIST Sponsored Department)

UGC-SAP Sponsored
NATIONAL SEMINAR on
ADVANCES IN PLANT SCIENCE RESEARCH
(APSR -2019)

27 and 28 February, 2019

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Organized by

DEPARTMENT OF BOTANY
(UGC-SAP & DST-FIST Sponsored Department)
Annamalai University
Annamalainagar- 608 002
Tamilnadu, INDIA

ABOUT ANNAMALAI 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.

DEPARTMENT OF BOTANY

The Department of Botany was established in the year 1932 to disseminate the knowledge of Plant Science to student community at different levels by offering M.Sc,

M.Phil, Ph.D and D.Sc degrees. The Department is glorified by attaining the status of UGC - SAP and DST - FIST programs through its function in all spheres of Education. The Department initially was designed to teach traditional Botany, and it has diversified in recent years to offer Interdisciplinary subjects such as Tissue Culture, Biotechnology, Microbiology, Molecular Biology, and Genetic Engineering. The Department has signed MoU with Tajen University, Taiwan and University of Agricultural Sciences, Bangalore for academic and Research Collaboration. The Department has produced 297 Ph.Ds and 486 M.Phils and published more than 1000 research articles in the fields of Plant Physiology, Molecular Biology, Phytochemistry, Bioactive Compounds, Algal Biotechnology, Palaeobotany, Cytogenetics, Mutation Breeding and Environmental Science. Thirty Nine Major R&D Projects sponsored by UGC, DBT, DRDO, DRDE, ICMR etc., were operated by the faculty members of Dept. of Botany. Prof. T.S. Raghavan (1932 - 48), Prof. T.C.N. Singh (1948 - 63), Prof. K. Rangasamy Ayyangar (1963 - 77), Prof. C. Srinivasan (1977- 78), Prof. R. Ganesan (1979 - 89), Prof. T. Govindarajalu (1989 - 95), Prof. A.S. Lakshmanachary (1995 - 97), Prof. K.P. Chellappan (1997 - 2002), Prof. R. Panneerselvam (2002-13), and Prof. K. Arumugam (2013-16) headed the department and are mainly responsible for taking the department to its glorious heights. Presently Dr. V.Venkatesalu is heading the Department. The famous work of Dr. T.C.N. Singh, brought to light, the response of plants to music. He played many Karnatic ragas and proved that plants could grow well in response to music.

ABOUT THE SEMINAR

Recent development in Science and Technology and unprecedented development in every field of plant science pave the way for better understanding about plants which have been used in all walks of life. It has been estimated that only 40-50% of plant resources available in the world are used for various purposes. The primary goal of the seminar is to motivate young minds in research and developmental activities in Plant Science. The present scenario in Plant Science Research encompasses Plant genomics, Proteomics, Molecular phylogenetics, Molecular docking, Environmental genomics etc. In this context, this National seminar in "Advances in Plant Science Research (APSR-2019)" is 'Need of the Hour'. This seminar will provide a scientific platform to exchange the ideas and information on the recent developments in various fields of Plant Science. With this background, the seminar programme is designed to have invited talks, oral and poster presentations in the following themes,

- i. Stress Physiology
- ii. Environmental Science
- iii. Bio-reclamation of Saline Soil
- iv. Bioactive compound(s) from Medicinal Plants
- v. Plant Pathology and Microbiology
- vi. Algal Biotechnology & Environmental Biotechnology
- vii. Mutation Breeding
- viii. Plant Biotechnology and Molecular Biology
- ix. Ethnobotany and Medicinal Plants
- x. Biodiversity Conservation

ABSTRACT SUBMISSION

Abstracts on the above said themes of the Seminar are invited for presentation. Abstracts should not exceed more than 300 words typed in MS word; font size 12 in Times New Roman with single line space. A hard and soft copy (email) of the abstract alongwith registration form and registration fee should be sent to **Dr. L. Mullainathan (email: apsr2019@gmail.com)**, Associate Professor, Department of Botany, Annamalai University, Annamalai Nagar- 608 002 on or before 10.02.2019. The Registered participants can submit maximum of two papers.

The abstract should contain the title of the paper, the name(s) and address (es) of the author(s). The name of the author making the presentation should be underlined.

REGISTRATION FEE (Rs.)

Faculty members / Scientists- Rs. 700/-
Research Scholars - Rs. 600/-

The Registration Fee may be paid in the form of Demand Draft from a Nationalized Bank in favour of "The Registrar, Annamalai University" payable at Annamalai Nagar. The Registration fee includes Seminar kit, working lunch and refreshments.

TRAVEL AND ACCOMMODATION

Participants have to bear the expenses for the accommodation. Accommodation for outstation participants may be arranged in the University Guest House and Hotels on request with advance payment. The Guest House has three/two bedded AC and non AC rooms on sharing basis. Accommodation in Hotel ranges from Rs. 500 to Rs. 3000/- per day. Student accommodation may be made at Rs. 300-500/- per day.