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Department of Botany, Annamalai University

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Dr. D. Dhanavel, Dr. R. Sridharan**

Associate Professors

Department of Botany, Annamalai University

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Prof. T. Ganesan, Professor and Head, KMCPG, Puducherry
Prof. B.K. Nayak, KMCPG, Puducherry

International Conference on RECENT SCENARIO IN PLANT SCIENCE RESEARCH-CLIMATE CHANGE AND ITS ASSOCIATED VARIATIONS (ICRSPSR - 2018)

March 23 - 25, 2018



ANNAMALAI UNIVERSITY

(Accredited with 'A' Grade by NAAC)

Organized by

DEPARTMENT OF BOTANY

(UGC-SAP & DST-FIST Sponsored Department)

ANNAMALAI UNIVERSITY

ANNAMALAINAGAR - 608 002

TAMIL NADU, INDIA

www.annamalaiuniversity.ac.in



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-2017" by the Ministry of Human Resource Development (MHRD) has ranked the University as 20th in Tamil Nadu and 92nd in India in the Overall Category. In the University Category the ranking is 14th in Tamil Nadu and 56th in India. In the Pharmacy Category the ranking is 2nd in Tamil Nadu and 13th in India. "The Times Higher Education World University Ranking - 2018" has ranked Annamalai University in 801 - 1000 for Overall category and 401 - 500 for Life Sciences category. "The CWTS Leiden Ranking 2017", on scientific impact of universities and on universities' involvement in scientific collaboration & scientific performance, has ranked the University at 14th based on the number of publications and 3rd 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 Nielsen - India Today Ranking" (2017) has ranked Annamalai University 11th among the top 30 Universities in India. Among the top 100 institutions for Higher Education in India the "SCImago Institutional Ranking" has ranked Annamalai University as 4th in Tamil Nadu and 20th 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 degree programmes. The Department is glorified by attaining the status of UGC-SAP and DST- FIST programmes 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 286 Ph.D and 486 M.Phil 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. Govindarajulu (1989-95), Prof. A.S. Lakshmanachary (1995-97), Prof K.P. Chellappan (1997-02), 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 Prof. 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 Kamatic ragas and proved that plants could grow well in response to music.



ABOUT THE CONFERENCE :

Climate change is projected to have a significant effect upon the future rate of biodiversity loss. There is therefore an urgent need to identify the key mechanisms underpinning climate change impacts on biodiversity in order to select climate change adaptive strategies. It is also essential that the scales of these changes are clearly communicated to policy and decision-makers. The studies suggested that climate change could surpass habitat destruction as the greatest global threat to plants / biodiversity over the next several decades. However, the integrated and sustainable approaches and the resulting variability in projections make it difficult to get a clear picture of the future plans under different scenarios of global climatic change. Thus, alerting scientists and policy makers to possible future risks provide a means to boost attribution of biological changes to climate change and can support the development of proactive strategies to reduce climate change impacts on plants.

The International Conference on Recent Scenario in Plant Science Research-Climate Change and its Associated Variations aims at creating knowledge and awareness among the conference participants and suggesting the planners and policy makers about the possible ways and means of developing mitigation measures and coping strategies to overcome the negative impact of climate change on biodiversity. This conference will encourage peer researchers, young scientists, academicians and industrialists to meet, discuss and share the knowledge and to take measures to manage biodiversity so as to maintain their resilience to extreme events, which is necessary to bridge some of the existing knowledge gaps and better understanding of related uncertainties. With this background the conference is designed to have invited lectures, oral and poster presentations with the following themes :

1. Climate change
2. Systematic Botany
3. Cytogenetics
4. Mangrove biology
5. Environmental science
6. Mutation Breeding
7. Stress Physiology
8. Biodiversity Conservation
9. Bio reclamation of saline soil
10. Bioactive compounds from medicinal plants
11. Plant pathology & Microbiology
12. Algal Biotechnology
13. Plant Bio technology & Molecular Biology
14. Ethno botany



Call for papers : Research papers of original contribution are invited for oral / poster presentation during the conference.

Paper submission:

Participants are requested to submit soft copy of the abstract (not exceeding 300 words typed in Times New Roman, 12 Font size) to aubotic2018@gmail.com The abstract should contain the title of the paper, author(s) name, full address for correspondence including fax, phone / mobile and E-mail. The name of the author making the presentation should be underlined.

Certificate of Merit :

The young budding scientists will be honoured with appreciation certificate for his / her best oral and poster presentation.

Travel & Accommodation :

Annamalai University is located at Annamalainagar which is about 2 km east of Chidambaram town. Chidambaram is about 260 km South of Chennai and is well connected by road and rail. Pichavaram, a mangrove forest is near Annamalainagar. Puducherry, a tourist spot, is 70 km away from Chidambaram.

Limited accommodation is available in the University Campus, therefore it will be provided on first-come, first-serve basis.

For accommodation, please contact **Dr. R. Sridharan, Organizing Secretary**, Dept. of Botany, Annamalai University, E-mail: aubotic2018@gmail.com Mobile : 8778251146, 9865908333.

Registration Fee :

Delegates are requested to send their registration fee in the form of Demand Draft obtained from any Nationalized Bank, drawn in favour of "The Registrar, Annamalai University", payable at Annamalainagar, along with their abstract and registration form on or before 28.2.2018. Registration form along with the fee and abstract should be sent to **Dr. L. Mullainathan, Organizing Secretary (ICRSPSR-2018)**, Department of Botany, Annamalai University, Annamalainagar - 608 002, Chidambaram, Cuddalore District, Tamil Nadu, India. For online transaction the participants are requested to forward the payment transaction ID to aubotic2018@gmail.com Registration fee covers conference kit, lunch, snacks and tea during technical sessions.

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|------------------------------|---------------------|
| Faculty members | : Rs. 1500 |
| Research Scholars & Students | : Rs. 1000 |
| Foreign delegates | : US\$ 100 |
| For Accompanying Persons | |
| Indian delegates | : Rs. 1500 / person |
| Foreign delegates | : US\$ 100 / person |

Bank details for online transfer of Registration Fees :

| | |
|--------------------|---------------------------------------|
| Bank Name & Branch | : ICICI, Annamalainagar |
| A/C No. | : 621201156619 |
| IFSC Code | : ICIC0006212 |
| In favour of | : The Registrar, Annamalai University |
| Payable at | : Annamalainagar |

Accommodation

| | |
|-------------------|---|
| Faculty members | : Rs. 1000/- day/individual (Non-A/C) |
| | : Rs. 500/- day (Non-A/C room on sharing basis) |
| | : Rs. 1500/- day/individual(A/C) |
| | : Rs. 800/- day/ (A/C room on sharing basis) |
| Students | : Rs. 300/- day(Non-A/C room on sharing basis) |
| Foreign delegates | : Rs. 50US\$/- day/individual (A/C) |

Important Dates :

| | | |
|---|--------------|--------------|
| Receipt of Registration form and Fee | on or before | : 28.02.2018 |
| Submission of Abstract | on or before | : 28.02.2018 |
| Request for Accommodation | on or before | : 28.02.2018 |
| Intimation of Acceptance (Through E-mail) | | : 05.03.2018 |

