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Professor and Head

Department of Genetics and Plant Breeding

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Professor,

Department of Genetics and Plant Breeding

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Dr. P. Thangavel

Professor

Department of Genetics and Plant Breeding

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Dr. C. Praveen Sampath Kumar, Assistant Professor

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Dr. P. Satheesh Kumar

Mr. V. Arivoli

Dr. R. Narayanan

Call For Papers

Invited lectures on the focal themes by lead scientists have been planned. In addition, contributed papers for oral and poster presentation in different sessions are welcome. Participants should send the abstract of their original research work not exceeding 250 words typed in double line space in Times New Roman font 12 in A4 size paper along with a soft copy by email or in a CD in Microsoft Word. Since it is proposed to bring out proceedings, all the authors are requested to submit full papers in the format specified by Indian Journal of Genetics and Plant Breeding in a CD along with hard copy. Each participant can submit only two abstracts as first author.

Registration

All Participants are requested to send the attached registration form duly completed along with registration fee through a demand draft in favour of the Registrar, Annamalai University payable at Annamalainagar. The delegates will be provided tea and working lunch during the conference days. As only limited accommodations are available at the campus on payment, the delegates are requested to make their own arrangements.

Registration Fee

Companies -Rs. 2000/-

Scientists -Rs. 500/-

PG, Ph.D. Students

& Research Scholars -Rs. 250/-

Program Schedule

Last date for registration and submission of
abstracts : 16.02.2018

Date of communication of acceptance letter
: 19.02.2018

Last date for submission of full papers
: 26.02.2018

CONTACT ADDRESS

Dr. M. Prakash

Professor & Organising Secretary

UGC - SAP National Seminar on "Abiotic Stress Agriculture:
Constraints And Strategies"

Department of Genetics and Plant Breeding,

Faculty of Agriculture

Annamalai University ,

Annamalainagar 608 002

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ANNAMALAI UNIVERSITY



[Accredited with 'A' Grade by NAAC]

FACULTY OF AGRICULTURE DEPARTMENT OF GENETICS AND PLANT BREEDING

UGC SAP NATIONAL SEMINAR ON ABIOTIC STRESS AGRICULTURE: CONSTRAINTS AND STRATEGIES.

(6 and 7 March, 2018)

Chairman

Dr. M. RAVICHANDRAN

Dean, Faculty of Agriculture
Annamalai University

Convenor

Dr. S. Murugan

Professor & Head, Department of Genetics and Plant Breeding
Deputy Coordinator-UGC SAP DRS Phase II Programme

Organising Secretary

Dr. M. Prakash

Professor, Department of Genetics and Plant Breeding
Coordinator - UGC SAP DRS Phase II Programme

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DEPARTMENT OF GENETICS AND PLANT BREEDING
FACULTY OF AGRICULTURE
ANNAMALAI UNIVERSITY
ANNAMALAI NAGAR - 608 002
TAMIL NADU

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 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.

About The Faculty

The Faculty of Agriculture was started in the year 1958. Presently there are ten departments in the faculty. The grants obtained by the Faculty from UGC, DST, DBT, ICAR, NMPB, Ministry of Coal, Environment & Forests and Water Resources etc. and budgetary provision from the University have added to an excellent infrastructural setup that facilitate cutting edge research in Agriculture and -

Horticulture. Teaching, research and extension activities, the three vital components for any agricultural institution, add significant value to the Faculty of Agriculture.

About The Department

The Department of Genetics and Plant Breeding is one of the major Departments in the Faculty of Agriculture and was established in the year 1980. It offers three PG programmes viz., M.Sc.(Ag.) Genetics and Plant Breeding, M.Sc. (Ag.) Seed Science and Technology, M.Sc. (Ag.) Biotechnology and two Ph.D. Programmes in Genetics and Plant Breeding and Seed Science and Technology. The Department has so far produced 51 Ph.D and 357 M.Sc (Ag.) graduates and has completed many International and National projects funded by IAEA, FAO, DST, UGC, FIST and TNSCST. The Department has successfully completed UGC SAP DRS-Phase-I with Rs. 50.00 lakhs from 2009-2014 and has been awarded DRS Phase II for a period of five years from 2015 - 2020 with a budget of Rs. 1.025 crores.

Preamble

Plants are exposed to many external factors that can be stressful in such a way that growth, development and yield of the crops may be compromised. The natural environment for plants is composed of a complex set of abiotic stresses viz., light (high and low), radiation (UV-B and UV-A), temperature [high and low (chilling, freezing)], water (drought, flooding, and submergence), chemical factors (heavy metals and pH), salinity due to excessive Na⁺, deficient or in excess of essential nutrients, gaseous pollutants (ozone, sulfur dioxide), mechanical factors, and other less stresses. Abiotic stress is defined as any factor exerted by the environment on the optimal functioning of an organism. Abiotic stress will affect plants in a variety of ways. These stresses not only cause changes in agro-ecological conditions, but also affects growth and distribution of incomes, and thus increasing the demand for agricultural production. Recently, more emphasis is being directed towards newly emerging techniques employed in improving plant tolerance, an understanding of the mechanisms through which plants recognize external conditions, and on the signaling pathways that initiate protective reactions. In this context, this National Seminar on Abiotic Stress Agriculture is planned with the following focal themes.

Focal Themes

Adaptations, conventional and molecular approaches in mitigation of

- 1) Moisture stress
- 2) Saline stress
- 3) Flooding stress and
- 4) Temperature and other stresses.

UGC SAP National Seminar on ABIOTIC STRESS AGRICULTURE: CONSTRAINTS AND STRATEGIES

6 and 7 March, 2018

REGISTRATION FORM

1. Name :
2. Designation :
3. Address for Communication :
4. Title of the Paper(s) :
5. Oral/Poster :
6. Accommodation required :
7. Details of Demand Draft :
No :
Date :
Payee Branch :
8. Email Address :

Date:

Signature

The filled in application along with DD should be sent to

Dr. M. Prakash

Professor & Organising Secretary
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