



175th
YEAR
1842-2017

**NATIONAL CONFERENCE
ON
RECENT TRENDS IN APPLIED PERSPECTIVES OF PLANT SCIENCES**

(NCAPS - 2018)

February 27-28, 2018

Prospective Sponsors : UGC, NBA, Govt. of India

Organised by



Pachaiyappa Plant Science Research Forum (PPSRF)
P.G. and Research Department of Botany
Pachaiyappa's College
Chennai - 600 030



About the College

Pachaiyappa's College is the third oldest educational institution in Chennai. It has the credit of being the first sole Indian College in Madras Presidency and the first Hindu educational institution in South India that was not funded by the British. The College had its genesis from the Last Will and Testament of Pachaiyappa Mudaliyar. Vallal Pachaiyappa Mudaliyar, born in 1754 in a poor family, emerged as one of the richest, most respectable and powerful man in Madras city merely by his sincerity and hard work. He passed away in 1794, at the age of 40 and was the first Indian to leave a Will. He had set aside part of his wealth towards Hindu religious institution and the remaining for providing English education to poor Hindu youth which had its beginning at Pachaiyappa Preparatory School in the year 1842. It then rose to the status of secondary grade College in 1850 and to a first grade College in 1888 by the name Pachaiyappa's Central Institution, the first outstanding non-missionary education institution in South India. Due to the rising demands of poor Hindus, for College education, the Pachaiyappa's Trust started Intermediate course in 1880 with the affiliation of the University of Madras.

The Centenary year of the College was celebrated in February 1942 which was presided over by the then Governor Sir Arthur Hope and Centenary address was delivered by Dr. Raja Sir Muthiah Chettiar, then President of the Pachaiyappa's Trust Board. Perarignar Dr.C.N. Annaduari, then Chief Minister of Tamil Nadu and an alumnus of this College presided over the Post Centenary Silver Jubilee of the College held in March 1968. The College celebrated its Post Centenary Golden Jubilee year in May 1994 which was presided over by Selvi.J. Jayalalitha then Chief Minister of Tamil Nadu. At present the College is a leading institution having Seventeen departments affiliated to the University of Madras with excellent teaching and research facilities in almost all the Science and Arts Departments. The College has been reaccredited by UGC with 'A' grade.

About the Department

The Department of Botany had its glorious beginning way back from 1940 with the introduction of the Intermediate course in Natural Science with Prof. Bonavis Bonnel as a faculty member. In 1944 it became a full-fledged department with the introduction of B.Sc degree course in Botany under the leadership of eminent Professor Dr. M.T. Philipose (1943 - 1945) and Prof. S.K. Pillai (1945 - 1947). It was in this year 1947, Prof. V. S. Sundaralingam, the chief architect of the Botany Department took charge as Head of the Department. The Botany Department was elevated to a Post Graduate Department in the year 1967, the University of Madras granted affiliation to Ph.D degree in 1970 and M.Phil degree in 1980.

The faculty has since then maintained high standards in teaching as well as in research with the credit of 215 M.Phil awardees and 45 Ph.D awardees. Currently 6 M.Phil and 17 Ph.D scholars are pursuing their research. The Department has a magnificent record at the Post Graduate level of producing several first classes and also receiving University first rank every year. So far, the Department has conducted Six Orientation courses, Two Workshops, Three National and Four International conferences in a grand manner, in addition to the above credentials, nearly three hundred research articles have been published in reputed National and International journals. By the concerted efforts of the teachers from the period of its establishment the department has grown to the present status. Since then several major and minor research projects supported by Govt. of India such as UGC, DST, ICMR, NMPB, AYUSH and MoES were granted to one of our faculty member Dr. T. Sekar. In addition to this, Dr. J. Kamaleswari received two minor research projects and Dr. S. Murugesan received three minor research projects funded by UGC. Currently Dr. N. Shanthi and Dr. M. Prabhakaran have been granted minor research projects from UGC. The research scholars are receiving financial assistance from DST through INSPIRE Fellowship and Rajiv Gandhi fellowship for SC/ST students granted by UGC, Govt. of India.

Adding one more feather to its Cap, The Department of Botany planned to have a research forum to promote and inculcate research activities among the Post Graduate students. Hence Pachaiyappa Plant Science Research Forum (PPSRF) was found in the year 1989 under the leadership of Prof. A. Balasubramanian with the support of all faculty members. The PPSRF was inaugurated on 6th December 1989 by Father of Green Revolution "Yerarignar" Dr. M.S. Swaminathan and presided over by Dr. A. Gnanam, then Vice-Chancellor, University of Madras and released the first issue of PPSRF Newsletter. The forum has conducted several National symposia, Seminars and Conferences.

The Doyens of Algology Prof. Dr.T.V.Desikachary, Prof. Dr. V. Krishnamurthy and the eminent Embryologist Prof. Dr. S. Narayanaswamy served as Emeritus Professors in this department. The Department has reached this height due to the constant efforts made by the pillars of this department like Prof. T. S. Partha, Dr. Padmini Devi Krishnan, Dr. A. Balasubramanian, Prof. M. P. Murugesan, Dr. B. Subramanian, Dr. S. Bharthan, Prof. Nirmala Samabandam, Prof. A. V. Govindaraj, Prof. T. S. Shanmugam, Prof. B. Kasthuri Bai, Dr. D. Balasubramania Reddy, Dr. C. R. Bojan and Dr. G. Kathiresan. The present fellow teachers are in line with the senior Professors.

About the Conference

The prime objective of this conference is to create interest among the students and research scholars in Universities and Colleges towards research activities and also to motivate them for presenting their findings amidst an August gathering. Secondly, this platform brings together many Eminent Professors and researchers from various institutions to share their knowledge and expertise, which helps to get in-depth information during the interactive sessions that may be helpful for the betterment of their academic and research oriented activities.

Thrust Area / Technical Sessions

The National Conference will focus on the following objectives:

- ❖ Biodiversity and Sustainable Development
- ❖ *Ex-situ* and *In-situ* Conservation
- ❖ Role of medicinal plants in Human Welfare
- ❖ Pharmaceutical and nutraceutical products from plants
- ❖ Emerging trends in Plant Biotechnology and Bioinformatics
- ❖ Environmental Biotechnology
- ❖ Applications of Nanotechnology
- ❖ Patenting and Intellectual Property Rights

Format for Abstracts

Name of the presenting author to be Underlined; Limit: 200 words; Format: A4, MS - word; Font type / Size: Times New Roman / 12, Line spacing: 1.5 cm; the abstract may be sent to the email: ppsr1989@gmail.com.

Oral / Poster Presentation

The duration for an oral presentation will be ten minutes. The decision of the organising committee, with regard to the acceptance for oral / poster presentation will be communicated to the affiliates latest by February 12th 2017.

Poster format

Width: 36", Height: 48" Title, Author names, Aim, Materials and Methods, Results or Findings, Summary / Conclusions, Acknowledgement and References.

Awards

Best oral and poster presentations will be awarded prizes.

Important Dates

Last date for the submission of abstract : 10th February, 2018
Intimation of abstract acceptance : 12th February, 2018
Registration : 20th February, 2018

Contact Details

Dr. S. Saravanan,
Organising Secretary,
NCAPS, 2018
P.G. and Research Department of Botany
Pachaiyappa's College - 600 030.
Mobile: +91 - 9942976631; 9444223626

Registration Fee

Students and Research Scholars: Rs. 400/-
Faculty members: Rs. 800/-
Delegates from Industries: Rs.1000/-

Accommodation

Accommodation will be arranged only for the outstation participants on request with advance payment. Details of the tariff will be provided after accepting the abstracts.

Executive Committee

Chief Patron	: Mr. S. Jayachandran , Chairman, Pachaiyappa's Trust Board
Patron	: Dr. V. Ramanathan , Financial Trustee Mr. V. Durai Mohan , Trustee & Member Secretary Dr. R. Prabhaakaran , Trustee Er. K. Hemanath , Trustee
Chairman	: Dr. S. Kaliraj , Principal, Pachaiyappa's College, Chennai
Co-Chairman	: Dr.K. M. Umarajan , HOD, Department of Botany
Convener	: Dr. V. M. Akila
Co-Convener	: Dr. J. Kamaleswari
Organizing Secretary	: Dr. S. Saravanan
Joint Secretary	: Dr. S. Murugesan
Treasurer	: Dr. T. Sekar

Organising Committee Members - Department of Botany

Dr. N. Shanthi
Mr. M. Sathiyathan
Dr. M. Gopalakrishnan
Dr. M. Kotteswari
Dr. M. Prabhakaran
Dr. N. Karpagam
Dr. M. Elamvaluthi
Dr. S. Shyamala Gowri
Dr. T. Kumare Subitha

Advisory Committee Members

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Dr. V. Sivasubramanian, Director, Phycospectrum Environmental Research Centre (PERC), Chennai
Prof. A. Ramachandran, Honorary Visiting Professor, Centre for Climatic Change and Adaptation Research, Anna University, Chennai.
Dr. N. Mathivanan, Director, CAS Botany, University of Madras, Chennai
Dr. P. Ravichandran, Professor & Head, Botany, MS University, Tirunelveli
Mr. G. Thirugana Sambandam, Project Director, Ramky Enviro Engrs Ltd., Hyderabad
Dr. R. Ilavarasan, Asst. Director I/c, CSMDRI Ministry of AYUSH-Govt. of India, Chennai
Prof. A.K. Bhatnagar, Professor of Botany(Rtd.), University of Delhi, New Delhi
Dr. T. Parimelazhagan, Professor, Bharathiar University, Coimbatore
Dr. N. Ramasamy, Professor, Kakatiya University, Warangal
Dr. D. Narayanappa, Member, Technical Committee, NMPB, Govt. of India, Bangalore
Dr. R.V. Thirunavukarasu, Head, NEERI-Taramani, Chennai
Dr. Albert Premkumar, Stockholms University, Sweden
Dr. D. Nandkumar Kunchge, Principal Scientist and Director, Beej Sheetal Research Pvt. Ltd. Aurangabad.
Dr. S. Mangalan, MD & CEO, ABC Agrobiotechnology, Pvt. Ltd, Ahmedabad



**NATIONAL CONFERENCE
ON
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OF PLANT SCIENCES
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REGISTRATION FORM**



1. Name :
2. Designation :
3. Institution :
4. Address :

5. Contact Number :
6. E-mail id :
7. Details of Remittance :
 - Registration Fee :
 - DD number :
 - Name of the Bank :
 - Date :

Signature

Demand draft should be drawn in favour of "**Pachaiyappa Plant Science Research Forum**" from any nationalised Bank. (or)

Electronic fund Transfer

Account Number : 000501000034707
Name of the account : Pachaiyappa Plant Science Research Forum
Name of the Bank : Indian Overseas Bank
Branch : Aminjikai
Place : Chennai
IFSC code : IOBA000 0005

* The proof of electronic fund transfer to be attached with the registration form