



ST. XAVIER'S COLLEGE (Autonomous)

(Recognized as 'College with Potential for Excellence' by UGC)

(Accredited at A⁺⁺ Grade with a CGPA of 3.66/4 in the IV cycle by NAAC)

PALAYAMKOTTAI - 627 002.

National Workshop on “Plant Taxonomy and Molecular Systematics”

(Both Pteridophytes and Angiosperms)



Sponsored by

Tamilnadu State Council for Science and Technology

Date : 5th Dec 2024

Time: 9:30 am

Venue: Fr.Caussanel hall

Inauguration

Felicitation

Rev. Fr. Dr .S. Ignacimuthu, S.J.,
Rector, St. Xavier's Institutions, Palayamkottai

Presidential address

Rev. Fr. Dr. Godwin Rufus, S.J.,
Principal, St. Xavier's College, Palayamkottai

Keynote address

Dr.S . Soosairaj, M.Sc., Ph.D
Associate Professor in Botany,
Department of Botany, St.Joseph's College (Autonomous),
Tiruchirappalli – 620 002. Tamil Nadu

Guest of Honour

Dr. V. Ravichandran, M.Sc., Ph.D.
Senior Preservation Assistant
Botanical Survey of India (BSI)
Ministry of Environment, Forest and Climate Change
Southern Regional Centre, Coimbatore - 641 003

CONVENOR & ORGANIZING SECRETARY

Dr.L. Joelri Michael Raj
Asst. Prof. and HOD (i/c), Dept. of Botany

CO-CONVENOR

Rev.Dr.M. Anthonysamy SJ
Asst. Professor, Dept. of Botany SXC

CO- ORGANISING SECRETARIES

Dr. Y. Justin Koilpillai, Asst. Professor, Dept. of Botany SXC
Dr. N. Vasanth, Asst. Professor, Dept. of Botany SXC

Welcome All UG, PG and Research scholars of the department
HEAD and FACULTY, DEPARTMENT OF BOTANY, SXC

Resource Persons

3. Dr. S. Mutheeswaran

Senior Scientist, Xavier Research Foundation,
St. Xavier's College (Autonomous)
Palayamkottai, Tirunelveli
(Specialization : Medicinal Plant Taxonomy)

4. Dr.V. Irudayaraj

(Former President of Indian Fern Society)
Associate Professor (Retd.) Department of Botany,
St. Xavier's College (Autonomous)
Palayamkottai, Tirunelveli
(Specialization : Pteridophyte Taxonomy)

Registration

Scan code to register



Register through Google Form Link

<https://forms.gle/dkHTk69XadFDd8C1A>

Payment Details

Payment can be made through online mode
by NEFT.

Name of the Acc. : **The Society of
St Francis Xavier**

Acc. No. : **36555195365**

Bank Name : **State Bank of India**

IFSC Code : **SBIN0010482**

Registration Fees

For Teaching Faculty / Scientist : Rs.700/-
(Includes University, College & School Teachers)

For Research scholars : Rs.600/-

For UG/PG students : Rs.500/-

Limited to 40 participants only

No TA/DA will be provided. (Registration fee includes
Kit, Refreshments, lunch and Field Visit) Accommodation
will be arranged on payment basis with prior intimation

Registration can also be done by paying the registration
fees through G Pay - 96003 41157

CHIEF PATRON

Rev. Fr. Dr. S. Ignacimuthu, S.J.
Rector

PATRON

Rev.Fr. Dr. G. Pushparaj, S.J.
Secretary

CHAIRMAN

Rev. Fr. Dr. Godwin Rufus S.J.
Principal

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ORGANISING MEMBERS

Dr. G. Sahaya Antony Xavier

Dr. M.Johnson

Dr. J.John Peter Paul

Dr. T.Leon Stephen Raj

Dr. M.Joe Virgin Lorgia

Dr.M.Johnson Gritto

Dr. N. Maria Francis Jeffrey Bose

For further details contact:

Dr. L. Joelri Michael Raj - 82484 69608

Dr. N. Vasanth - 99656 08108



ST. XAVIER'S COLLEGE (Autonomous)

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1923 (Accredited at A** Grade with a CGPA of 3.66/4 in the IV cycle by NAAC)

PALAYAMKOTTAI - 627 002.

National Workshop on "Plant Taxonomy and Molecular Systematics" (Both Pteridophytes and Angiosperms)

05th-06th December 2024



Sponsored by



**Tamilnadu State Council for
Science and Technology**

Organised by

Department of Botany

St.Xavier's College (Autonomous)

Palayamkottai - 627 002.

Profile of the College

St. Xavier's College was established at Palayamkottai in 1923 by Jesuit Fathers of the Jesuit Madurai Province with an aim of preparing generations of students for a happy, healthy and harmonious life. The motto of the college is "*Veritate Lumen et Vita*" ("Light and Life through Truth"). It is a grant-in-aid institution recognized by the UGC Act under sections 2(f) and 12(B).

The college is affiliated to the Manonmaniam Sundaranar University. In recognition of its service and excellence, the college was granted autonomy in 1987. The UGC awarded the status "College with Potential for Excellence" in 2004 and again in 2010, 2014 and 2019. The NAAC accredited the college at A++ grade with a CGPA of 3.66/4 in IV cycle in 2019.

STAR College scheme has been awarded by DBT, Govt. of India. In the ranking conducted by NIRF, the college ranks 36 in College Category in 2024. Today more than 4500 men and women students study in 15 post-graduate and 20 under-graduate departments. Doctoral research is carried out by 12 departments. With great pride and joy the college had celebrated its hundred years of existence.

About the Botany Department

The Botany Department with a Post graduate and Research Centre had its beginning in 1927 with an intermediate Botany programme. Botany has been offered as an Ancillary subject since 1957. Later, in 1970 the Department had its own beginning offering B.Sc. Botany and in 1983 the M.Sc. programme was started. By the concerted efforts of the faculties from the period of its establishment, especially the extensive scientific works of Rev. Dr. V.S. Manickam SJ, the Department has grown to the present status and it was upgraded as a Research Department in 1994. CBB (Centre for Biodiversity and Biotechnology) and a Herbarium of fern collections was established with international recognition by IAPT. Since then several major

and minor research projects supported by agencies such as UGC, DBT, DST-SERB, CSIR, TNSCST, ICSSR and UBCHEA have been completed. More than 100 scholars have completed their Ph.D., from the Research centre of the Department. The Department of Science & Technology of the Govt. of India has chosen this Department as one of the centers for "Fund of improvement of Science and Technology Infrastructure in University and Higher Education Institutes" (FIST). It has become a fully fledged research centre to offer research programs in vast areas of Plant Sciences. Moreover the department has its own instrumentation centre with sophisticated instruments for Molecular Biology, Microbiology, Phytochemistry and Plant Tissue Culture.

About the Workshop

The workshop leads a deep insight on identification and classification of both Pteridophytes and Angiosperms, gives a real learning experience on field with a detailed information on nomenclature, key preparation and adds information on DNA barcoding techniques & molecular systematics. This forum would enable each learner to hold a role in conservation of biodiversity by systematically knowing the right plants. The fundamental understanding of the plants will lead each participant to expand the reality in other related fields such as forestry, horticulture and especially identification of medicinal plants. Therefore the utmost goal of this workshop is to enhance the participants to enkindle the interest in plant taxonomy along with the recent molecular methods in identification of plants and obtain an onsite evaluation of plants through systematic methods.

This two days workshop will include training in basic techniques in plant identification, nomenclature, taxonomy key preparation, and adds information on APG classification based on Molecular Systematics. This extended knowledge would play an important role in the medical field such as Siddha, Ayurveda in validation of medicinal preparations.

This workshop will focus on giving practical insights to post-graduate students, research scholars, and teaching faculty where they will undertake a field visit to plants growing in natural habitats in papanasam and will have onsite visit to Xavier Solai on systematic evaluation medicinal plants. Xavier Solai is an Agro-Biodiversity park located in irudayakulam, Ambasamudhram Taluk, Tirunelveli Dt. It was established in 20 acres of land at the cost of 2.5 crores. It was officially inaugurated recently on 3/09/2024 by the district collector of Tirunelveli (Dr. K.P. Karthekeyan IAS). The park (Solai) consists of a museum displaying traditional medicines and seeds of different varieties and a special garden with more than 300 medicinal plants, fruit yielding trees and succulents.

Highlights of the workshop

- ◆ Floristic diversity of Pteridophytes and Angiosperms in Western Ghats of Tamilnadu
- ◆ Taxonomy key preparation (both ferns and Angiosperms)
- ◆ Identification and validation of medicinal plants (based on Field visit to Xavier Solai)
- ◆ Recent nomenclature in plant taxonomy
- ◆ Basics of Molecular Systematics, DNA barcoding Technique and APG classification system
- ◆ **On-site identification and evaluation of plants: Field visit to study on Local flora (Papanasam) and Xavier Solai (An Agro-Biodiversity Park)**

Resource Persons

1. Dr. V.Ravichandran

Senior Preservation Assistant
Botanical Survey of India (BSI)
T.N.A.U. Campus, Coimbatore 641 003, Tamil Nadu
(Specialization : Classical Taxonomy & Molecular Systematics)

2. Dr. S. Soosairaj

Associate Professor, Dept. of Botany
St. Joseph's College (Autonomous)
Tiruchirappalli
(Specialization : Angiosperm Taxonomy)



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Date : 6th Dec 2024 | Time: 4:00pm | Venue: Fr.Caussanel hall

Valediction Function

Valediction Address

Rev. Fr. Dr. G. Pushparaj, S.J.,
Secretary, St. Xavier's College, Palayamkottai

Guest of Honour(s)

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