

St. Mary's College (Autonomous), Thoothukudi

Department of Botany

Newsletter 2018 - 2019



HOD's Message

Greetings from the Department of Botany!

It is with immense pride and joy that I present this edition of the Botany Department's Newsletter at St. Mary's College (Autonomous), Thoothukudi.

This publication offers a glimpse into the vibrant activities, initiatives, and achievements of our students and faculty, who remain dedicated to advancing knowledge in botany and fostering a genuine love for the study of plants and ecosystems. In our department, we believe in nurturing curiosity and a commitment to lifelong learning. We have embarked on a journey that combines academic rigor with hands-on research, enabling our students to gain practical insights into plant sciences, ecology, and biodiversity conservation.

Our focus is to equip students with skills and knowledge that extend beyond the classroom, preparing them to meet the demands of both the scientific community and environmental stewardship.

Editorial Team

Dr. M. Glory

Dr. M. Mary Josephine

Dr Sr. Arockia Jenecius Alphonse

Dr. A. Jacintha Tamil Malar

Dr. G. Flora

Dr. S. Beulah Jerlin

Dr. E. Daffodil D Almeida

Dr. F. Dayana Lobo

Dr. B, Maria Sumathi

Ms. S. Pauline Jenifer

Ms. G. Anusiya

Association Meeting

The Botany Association held a meeting on July 18, 2018, focused on "Career Opportunities." Dr. Gandhi Mathi Nathan, Head of the Department of Economics at V.O.C. College, Thoothukudi, was the guest speaker. He discussed various career paths for botany students, providing insights and advice to help them make informed career choices.



The Botany Association hosted a meeting on August 20, 2018, on the topic "Plant Relationship and Adaptation." Dr. Rayappa A. Kasi, a conservationist from the Diocese of Vellore, was the guest speaker. He shared insights on how plants adapt to their environments and interact within ecosystems, providing valuable knowledge to students and faculty.

Mentor Mentee Details

S. No.	Class	Number of students	Name of the Mentor
1	I B.Sc.	16	Dr. E. Daffodil D Almeida,
		16	Dr. F. Dayana Lobo
		16	Dr. B. Maria Sumathi
2	II B.Sc.	15	Dr. A. Jacintha Tamil Malar
		16	Ms. S. Pauline Jenifer
		16	Ms. G. Anusiya
3	III B.Sc.	22	Dr. G. Flora
		22	Dr. S. Beulah Jerlin
4	I M.Sc.	8	Dr. M. Glory
5	II M.Sc.	10	Dr. M. Mary Josephine

BoS Minutes

The board of studies meeting was conducted in 16.02.2019

Subject Experts

1. Dr. T. Ramanathan,
Associate Professor,
CAS in Marine Biology, Parangipettaai,
Chithambaram.
2. Dr. Patrick Raja,
Head of the Department of Botany,
St. Xavier's College (Autonomous),
Palayamkottai.
3. Dr. Lohidas,
Associate Professor,
Department of Botany,
Scott Christian College,
Nagercoil.
4. Dr. Saravana Ganthi
Head, Department of Botany,
Rani Anna Govt. Arts College for women,
Abisekapatty, Tirunelveli.

Alumna

5. Dr. Somalakshmi,
Assistant Professor, Department of Botany
V.O.Chidambaram College,
Thoothukudi-6280008.

Industrialist

6. M. Gunasekaran,
Karthik Enterprises,
9A/31, Arockiapura Shanmugapuram,
Chottaijan Thoppu,
Thoothukudi.

Resolution

It was, resolved that In UG Biochemistry and Bioenergetics is renamed as Biochemistry, Allied I and II papers have be changed with Plant diversity I and Taxonomy and Plant physiology. In PG, Elective Pharmacognosy is recommended to replace with tissue culture.

It was resolved that Botany for competitive examination of Self study optional is replaced with compulsory self study paper.

It was observed that more than 10% percentage of revision has been made.

It was observed that research activity is undertaken in UG as group project and in PG as individual project.

The Board placed the following suggestions:
UG syllabus is comparatively tough than PG syllabus.

Satisfied with the curriculum structure.

Industrialist Mr. M. Gunasekaran, Karthik Enterprises came forward to provide opportunity for the internship of the students and to depute resource persons for effective conduction of certificate course.

The syllabus and course structure was acknowledged and approved by the Board.

FACULTY ACTIVITIES - FACULTY PARTICIPATION

S.No.	Name of Teacher who attended the programme.	Title of the programme.	Duration	DD-MM-YYYY (from - to)					
1.	Dr. A. Jacintha Tamil Malar	Seminar on Fostering Transparency, Routing out Plagiarism A to Z, Department of Library and Research Forum, St. Mary's College (Autonomous), Theotokudi	1 day	20.07.2018	10.	Dr. A. Jacintha Tamil Malar	Basic to Innovative Approaches in bioscience, Department of Botany, Holy Cross College, Autonomous, Nagarcoil	1 day	22.01.2019
2.	Dr. G. Flora	Seminar on Fostering Transparency, Routing out Plagiarism A to Z, Department of Library and Research Forum, St. Mary's College (Autonomous), Theotokudi	1 day	20.07.2018	11.	Dr. Sr. Arcadia Jenecia Alphonse	Autonomy to Colleges, Benefits and way forward", UGC, SERO, Hyderabad	1 day	04.02.2019
3.	Ms. S. Pauline Jenifer	Seminar on Fostering Transparency, Routing out Plagiarism A to Z, Department of Library and Research Forum, St. Mary's College (Autonomous), Theotokudi	1 day	20.07.2018	12.	Dr. A. Jacintha Tamil Malar	International Seminar on Wonderful World of Oceans: Emerging Trends and Implications, Department of Zoology St. Mary's College (Autonomous), Theotokudi	1 day	12.02.2019
4.	Dr. Sr. Arcadia Jenecia Alphonse	Public Financial Management Systems (PFMS) with special reference to EAT modules, VHNSN College (Autonomous), Virudhunagar	2 days	07.08.2018 08.08.2018	13.	Dr. G. Flora	International Seminar on Wonderful World of Oceans: Emerging Trends and Implications, Department of Zoology St. Mary's College (Autonomous), Theotokudi	1 day	12.02.2019
5.	Dr. Glory	Tax Planning, South Indian Bank & Kotak Life Insurance	1 day	31.08.2018	14.	Dr. S. Beulah Jerlin	International Seminar on Wonderful World of Oceans: Emerging Trends and Implications, Department of Zoology St. Mary's College (Autonomous), Theotokudi	1 day	12.02.2019
6.	Dr. Sr. Arcadia Jenecia Alphonse	Prevention of Sexual Harassment at Working Places & Creation of Legal Awareness, Centre for Women Empowerment & Women Studies, Marunjanai Sundararaj University	1 day	03.10.2018	15.	Dr. E. Daffodil D Almeida	International Seminar on Wonderful World of Oceans: Emerging Trends and Implications, Department of Zoology St. Mary's College (Autonomous), Theotokudi	1 day	12.02.2019
7.	Dr. B. Maria Sumathi	Research in India- Current State and Future Prospects, Marian Research Forum, St. Mary's College (Autonomous), Science Academic Lecture	1 day	04.11.2018	16.	Dr. E. Davana Lobo	International Seminar on Wonderful World of Oceans: Emerging Trends and Implications, Department of Zoology St. Mary's College (Autonomous), Theotokudi	1 day	12.02.2019
8.	Dr. A. Jacintha Tamil Malar	Workshop on "Recent Trends in Microbiology and Biotechnology", Department of Botany, St. Xavier's College (Autonomous), Palayankottai	2 days	04.12.2018 05.12.2018	17.	Dr. B. Maria Sumathi	International Seminar on Wonderful World of Oceans: Emerging Trends and Implications, Department of Zoology St. Mary's College (Autonomous), Theotokudi	1 day	12.02.2019
9.	Dr. Sr. Arcadia Jenecia Alphonse	NAAC Reforms: Outcome based education – an overview", IQAC, V.O.Chidambaram College, Theotokudi	2 days	14.12.2018 15.12.2018	18.	Ms. S. Pauline Jenifer	International Seminar on Wonderful World of Oceans: Emerging Trends and Implications, Department of Zoology St. Mary's College (Autonomous), Theotokudi	1 day	12.02.2019

19.	Dr. A. Jacintha Tamil Malar	Insight into Promotion Criteria-API Score & CAS Filing, IQAC, V.V. Vanniaperumal College for Women, Virudhunagar	1 day	20.02.2019
20.	Dr. E. Daffodil D Almeida	Seminar on Advances in Plant Science Research (APSR-2019), Department of Botany, Annamalai University, Annamalai Nagar	2 days	27.02.2019 28.02.2019
21.	Ms. S. Pauline Jenifer	Seminar on Advances in Plant Science Research (APSR-2019), Department of Botany, Annamalai University, Annamalai Nagar	2 days	27.02.2019 28.02.2019
22.	Dr. A. Jacintha Tamil Malar	State level workshop on Creating Blog for Google Generation in the 2.0 World, Department of Library, St. Mary's College (Autonomous), Theotokudi	1 day	12.03.2019
23.	Dr. E. Daffodil D Almeida	State level workshop on Creating Blog for Google Generation in the 2.0 World, Department of Library, St. Mary's College (Autonomous), Theotokudi	1 day	12.03.2019
24.	Ms. S. Pauline Jenifer	State level workshop on Creating Blog for Google Generation in the 2.0 World, Department of Library, St. Mary's College (Autonomous), Theotokudi	1 day	12.03.2019

FACULTY ACTED AS RESOURCE PERSON

Dr. M. Glory, Head and Associate Professor of Botany, acted as a resource person and delivered as lecture Environmental Pollution and Health Impact National Seminar conducted at Annammal College of Education, Thoothukudi on 14.12.2018

Dr. M. Glory, Head and Associate Professor of Botany, acted as a resource person and delivered as lecture on Plant to Plate experience in the State level workshop conducted at Annammal College of Education, Thoothukudi on 08/02/2019

FACULTY - MEMBERSHIP IN PROFESSIONAL BODIES

Dr. M. Glory, Head and Associate Professor of Botany, acted as a question paper setter by Tamil Nadu Public Service Commission, Chennai 3 on 25.09.2018 - 26.09.2018 and 29.09.2018 - 30.09.2018

Dr. M. Glory, Head and Associate Professor of Botany, attended Board of studies meeting as a Subject expert at Holy Cross College Nagercoil on 04.02.2019

Faculty Attended Orientation Course

Dr. S. Beulah Jerlin attended UGC Sponsored 101st Orientation Programme, UGC Human Resource Development Centre, Bharathidasan University, Tiruchirapalli from 18.05.2018 - 14.06.2018.



No. of Paper Published
4



No. of e-content
2

Research centre

Research Centre Renewal Date: April, 2018

Scholar Registered

S. No.	Name of the Scholar with Reg. No.	Date of Commencement	Topic	Name of the Supervisor
1.	Ms. Pauline Jenifer S (18222212142008) (Part Time)	05.07.2018	Weed as a drug for urelithic problems	Dr. S. Beulah Jerlin

DC Meeting Conducted

1. The First DC Meeting for the candidate Ms. S. Pauline Jenifer (Reg. No. 18222212142008) Part Time was conducted in the Audio Visual room on 27.08.2018. Dr. S. Beulah Jerlin was the guide. Rev. Sr. Arockia Jenecius Alphonse, Assistant Professor of Botany, St. Mary's College (Autonomous), Thoothukudi and Dr. Petchimuthu, Assistant Professor of Botany, Sri KGS Arts and Science College, Srivaikundam were the DC members.
2. Dr. M. Glory, Head and Associate Professor of Botany conducted the first Doctoral committee meeting for Ms. Anita, Assistant Professor of Microbiology on 08.02.2019



Ph.D. VIVA VOCE



Full Time Scholar Mrs. P. Hermalin defended her thesis on the topic "Biogeochemistry of Mangrove Ecosystem of Thoothukudi, Tamil Nadu" on 05.03.2019. Dr. M. Glory, Head and Associate Professor of Botany was her guide. Dr. Kalidass, Taxonomy and Conservation Regional Plant Resource Centre, Forest and environmental Department, Government of Odisha, Bhubaneswar was the external Examiner



29.09.2018



16.03.2019

27.10.2018



**CDP ACTIVITY -
SERVAIKARANMADAM**



02.02.2019

08.12.2018



26.01.2018



DEPARTMENT ACTIVITIES - PROGRAMME ORGANIZED

Hands on training on Mushroom cultivation 19.09.2018

Hands on training on Mushroom cultivation was given by Dr. J. Nagarajan, Assistant Professor of Zoology, Kamaraj college, Thoothukudi on 18 September 2018 for the III UG students as a part of their certificate course. This helped us in establishing the successful mushroom cultivation and there by fund raising.



Two day Hands on Training on Tissue Culture 12.02.2019 to 13.02.2019

A two day hands on training on "Tissue Culture" for our PG students on 12.02.2019 - 13.02.2019. Dr. Jahir Hussain, Assistant Professor, Department of Botany, Government Arts College (Autonomous) Karur was the resource person. The hands on training was given to the students in the tissue culture lab. The students participated enthusiastically and benefited with the confidence of repeating this techniques by their own.



National workshop on Urban Horticulture and Food safety 05.03.2019

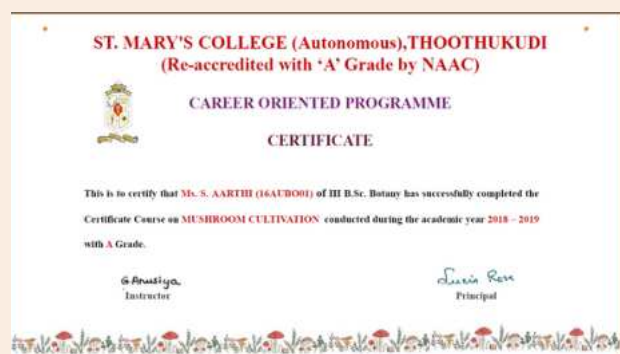
Department of Botany has organized one day National workshop on Urban Horticulture and Food safety on 5th March 2019. Dr. Mathew Dan, Senior Scientist & Head, Division of Plant Genetic Resources (JNTBGRI), Palode - Trivandrum, Dr. R. Arulmozhiyan, Professor and Head, Department of Horticulture, Agricultural College and Research Institute, Killikulam. Ms. X. Rajathi, MD, Morning Star, Thoothukudi were the resource persons. Dr. Thenmozhi, Head and Associate Professor of French acted as the valedictorian



Certificate Course



**II B.Sc. Botany
Course - Tally ERP 9
No. of Students enrolled - 44**



**III B.Sc. Botany
Course - Mushroom Cultivation
No. of Students enrolled - 44**

FIELD TRIP



A one day field trip was organised for II UG and I PG students to Kothaiyar on 21.07.2018 for the plant collection.

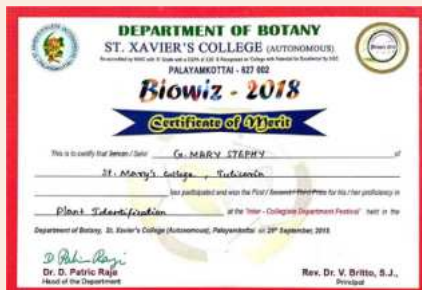
On September 25, 2018, a field trip to Hare Island was organized for First Year Undergraduate (I UG) and First Year Postgraduate (I PG) students, accompanied by Dr. Beulah Jerlin and Dr. F. Dayana Lobo. The objective was to provide practical experience in algal collection and to enhance students' understanding of algal diversity and ecology.



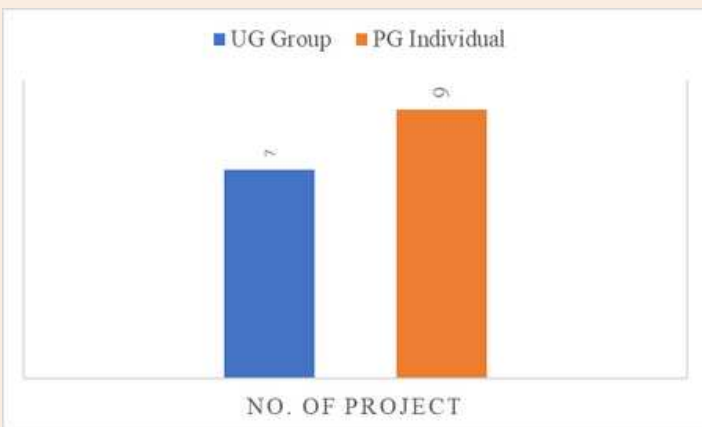
On October 30, 2018, a study trip was organized for the III UG and II PG students to Vivekananda Kendra at Vivekanandapuram, Kanyakumari, to learn about vermicomposting techniques. The trip included two staff members, Dr. A. Jacintha Tamil Malar and Dr. G. Flora. During the visit, S. Rajamony, a Research Assistant at Vivekananda Kendra, provided an in-depth explanation of the various techniques involved in vermicomposting.

STUDENTS ACTIVITY

Students of our department participated in many competitions and won many prizes



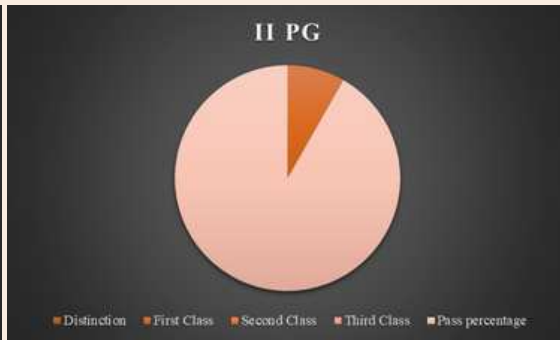
Students Project



PTA Meeting

S. No.	Class	Date
1	II UG, III UG and II PG	18.08.2018
2	I UG and I PG	08.02.2019

Result Analysis



Students - Placement



Students Progression - Higher Education

