



NEWS LETTER

ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI
DEPARTMENT OF BOTANY

2023-2024

HOD'S MESSAGE

Dear students, faculty, and friends,

As we embark on the 2023-2024 academic year, I am filled with great enthusiasm and optimism for the Department of Botany. The previous year has been a testament to our collective dedication, resilience, and passion for botanical sciences, and I am confident that this year will be even more remarkable. Our department continues to be a beacon of excellence in research, education, and community engagement. This year, we have several exciting initiatives and projects that aim to further our understanding of plant sciences and their critical role in addressing global challenges such as climate change, food security, and biodiversity conservation. I would like to extend a warm welcome to our new students and faculty members.

You are joining a vibrant and supportive community that is committed to fostering intellectual growth, innovative research, and collaborative learning. Our curriculum has been enriched with new courses and practical experiences designed to provide a comprehensive understanding of botany's diverse fields. To our returning students and faculty, thank you for your continued dedication and hard work. Your contributions have significantly shaped our department's success, and I look forward to witnessing your continued achievements. Let us strive to build on our past accomplishments and explore new frontiers in botanical research. This year, we will also be enhancing our outreach programs to engage with the broader community. Through workshops, seminars, and public lectures, we aim to share our knowledge and inspire a greater appreciation for the plant sciences. I encourage each of you to participate actively in these events and share your expertise and enthusiasm with others. In closing, I want to emphasize the importance of collaboration, curiosity, and innovation. The challenges we face today require interdisciplinary approaches and a commitment to lifelong learning. Let us work together to advance the field of botany and make meaningful contributions to our world. Wishing you all a productive and inspiring academic year.



REV. SR. DR. AROCKIA JENECIUS ALPHONSE
HEAD & ASSOCIATE PROFESSOR
DEPARTMENT OF BOTANY

EDITORIAL TEAM

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Rev. Sr. Dr. Arockia Jenecius Alphonse

Head & Associate Professor, Department of Botany

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ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI DEPARTMENT OF BOTANY

ACTIVITIES OF THE ASSOCIATION

LECTURE ON BIODIVERSITY AND ITS CONSERVATION

An Invited Lecture was organised by the Department of Botany on 13th July 2023. Dr. Antony Xavier, Associate Professor of Botany, St. Xavier's College, Palayamkottai delivered a lecture on "Biodiversity and its Conservation". He gave an introduction about biodiversity and also explained why the conservation of biodiversity is an urgent need for the society. 7 faculty, 59 students and 3 research scholars from the Departments of Botany and Chemistry benefitted from the invited lecture.



LECTURE ON GENETICALLY MODIFIED CROPS



Dr. K. Jeba Ananthi, (Alumna, 1995 – 1998), Assistant Professor of Botany, Sarah Tucker College (Autonomous), Tirunelveli was the resource person on 15th December 2023. Her lecture explored the realm of genetically modified (GM) crops, discussing the principles, methodologies, and applications of genetic engineering in agriculture. 216 students benefitted from this programme.

MENTOR MENTEE SYSTEM

During the 2023-24 period, our mentor-mentee program successfully supported the professional and personal development of 88 students under the guidance of 10 dedicated staff members. The program aimed to foster a collaborative learning environment and enhance the skills and career prospects of our mentees. Structured over a series of bi-weekly meetings, which were conducted both virtually and in-person, the program facilitated meaningful interactions between mentors and mentees. These sessions covered a range of topics including career planning, skill development, and personal growth.

Tutor Ward 2023-24		
Teaching Staff Strength= 10		
Students Strength = 88		
S.No	Class	Total No. of Students
1.	I B.Sc.	28
2.	II B.Sc.	34
3.	III B.Sc.	15
4.	I M.Sc.	6
5.	II M.Sc.	5



ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI DEPARTMENT OF BOTANY

CERTIFICATE COURSES

1. Certificate course on Tally ERP 9 commenced on 26th June 2023 for the III-year students (15) with Ms. Suga Priya from RJ Computer Education Centre as the instructor.
2. Certificate course on MS office commenced on 27th June 2023 for II-year students (34) with Ms. Suga Priya from RJ Computer Education Centre as the instructor.

BOS

The Board of Studies for the Department of Botany was organized on 19th April 2023. Dr. P. Mehalingam, Associate Professor, Department of Botany, V.H.N. Senthilkumar Nadar College, Dr. G. Priscilla Sweetlin, Assistant Professor and Head, Department of Botany, Lady Doak College (Autonomous), Madurai represented the programme as subject expert from other university. Dr. S. Jayakumar, Associate Professor of Botany, Nesamony Memorial Christian College, Marthandam, Kanyakumari represented as the subject expert from MS University. Dr. C. Antony Rose Immaculate, Associate Professor and Head, Department of Botany, Stella Maris College (Autonomous), Chennai represented the programme as the alumina of the Department of Botany.

The Board of Studies for the Department of Botany was organized on 9th March 2024. Dr. G. Priscilla Sweetlin, Assistant Professor and Head, Department of Botany, Lady Doak College (Autonomous), Madurai represented the programme as subject expert from other university. Dr. S. Jayakumar, Associate Professor of Botany, Nesamony Memorial Christian College, Marthandam, Kanyakumari represented as the subject expert from MS University. Dr. C. Antony Rose Immaculate, Associate Professor and Head, Department of Botany, Stella Maris College (Autonomous), Chennai represented the programme as the alumina of the Department of Botany.

MOU ACTIVITY

A Memorandum of Understanding (MoU) was signed between the Department of Botany, St. Mary's College (Autonomous), Thoothukudi with the Department of Botany, Holy Cross college, Nagercoil and the Department of Botany, Aringar Anna College (Arts and Science), Krishnagiri on 19th October 2023. Dr. A. Anami Augustus Arul, Head and Assistant Professor of Botany, Holy Cross College, Nagercoil signed the MoU which is counter signed by Rev. Sr. Dr. Jessie Fernando, Principal, St. Mary's College (Autonomous), Thoothukudi. Dr. Gnanavel, Assistant Professor, Department of Botany, Aringar Anna Arts and Science College, Krishnagiri signed the MoU which is counter signed by Rev. Sr. Dr. Jessie Fernando, Principal, St. Mary's College (Autonomous), Thoothukudi. Dr. Mary Baptista Janet, Dean of Biological sciences and Dr. A. Arockia Jenecius Alphonse, Head and Associate Professor of Botany, St. Mary's College (Autonomous), Thoothukudi served as the witness for the event.





ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI

DEPARTMENT OF BOTANY

FACULTY EXCHANGE PROGRAMME

The Department of Botany organized the Faculty Exchange Programme with Holy Cross College (Autonomous), Nagercoil, marking a major step towards promoting academic collaboration and knowledge sharing. The two prestigious institutions signed a Memorandum of Understanding (MoU) that included this effort. In accordance with the requirements of the Memorandum of Understanding, seven academic staff members from each college took part in the exchange programme between 12th February to 20th February, 2024, strengthening relations between the two institutions and fostering their academic development. By giving lectures to undergraduate and postgraduate students for 30 hours, the visiting faculty members contributed to the enrichment of the learning environment. 125 students benefitted out of it.





ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI DEPARTMENT OF BOTANY

PTA



Parents Teachers Meeting was organized for the parents of III B.Sc. Botany students on 12th January, 2024 in the Botany Library. Rev. Sr. Dr. Arockia Jenecius Alphonse, Head and Associate Professor of Botany and Ms. S. Pauline Jenifer, Assistant Professor and Class Incharge of III B.Sc. Botany met the parents.



The Parents Teachers meeting was conducted for the parents of II M.Sc. Botany students on 12th January 2024. Parents of 3 students attended the meeting. Rev. Sr. Dr. Arockia Jenecius Alphonse, Head of the Department of Botany and Dr. A. Jacintha Tamil Malar Associate Professor and Class Incharge met the parents



The Parents -Teachers Meeting was convened for parents of II B.Sc. students on 22nd January 2024 at the Botany Department UG Laboratory. A total of 25 parents attended the meeting. Staff in-charge of the class Dr. E. Daffodil D Almeida provided detailed insights into the academic progress of students, discussing their achievements, strengths and areas that need improvement.



Parents Teachers Meeting was conducted on 6th February 2024 for the I M.Sc. and I B.Sc. Botany students. Dr. G. Flora, Assistant Professor of Botany, Class in charge of I M.Sc. Botany and Dr. S. Beulah Jerlin, Assistant Professor of Botany, Class in-charge of I B.Sc. Botany met the parents. During the meeting, the wards' first semester grade sheets were distributed. 26 Parents out of 28 I B.Sc. students and 3 parents out of 6 students turned out during the meeting were attended the meeting.





ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI DEPARTMENT OF BOTANY

ALUMNAE CONTRIBUTION

ALUMNAE MEET



The Alumnae Meet of the 2015 to 2020 batch of the Department of Botany was held on 3rd December 2023, in the Botany lecture hall marking a significant reunion of graduates who embarked on their academic journey together five years ago. 40 alumnae were present.



ENTREPRENEURIAL TRAINING PROGRAMME ON PREPARATION OF HERBAL COSMETICS



The Department of Botany organised an Entrepreneurial Training Programme on the topic “Preparation of Herbal Cosmetics” on 17th July 2023 to the Botany students. Dr. M. Packia Lincy, an alumna of St. Mary's College and Assistant Professor of Botany, Lady Doak College, Madurai was the resource person. She explained the preparation of herbal cosmetics and gave hands on training for the preparation of kajal, herbal soap, kumkum and lip balm. 36 students and 2 faculty benefitted from this programme.





ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI DEPARTMENT OF BOTANY

SKILL DEVELOPMENT PROGRAMME ON SEED PRIMING: A SUSTAINABLE TOOL FOR ORGANIC FARMING



The Department of Botany organised the Skill Development Programme on “Seed Priming: A Sustainable Tool for Organic Farming” on 25th August 2023 in the Botany lecture hall for the I UG Botany students. Dr. B. Kamatchi Kala, an alumna of St. Mary's College and Assistant Professor, PG & Research Department of Botany, Sri Parasakthi College for Women, Courtallam, Tenkasi was the resource person. She explained seed priming and its mechanism, importance of seed priming and demonstrated various methods of seed priming. She also motivated the students to carry out the research in different avenues of seed priming. 28 students and 4 faculty were benefitted through the programme.

LECTURE SERIES ON BIOTECHNOLOGY

The Department of Botany organised a Lecture Series on “Biotechnology” from 11th December 2023 to 15th December 2023. Dr. Antony Rose Immaculate (Alumna, 1995 – 1998), Associate Professor of Botany, Stella Maris College (Autonomous), Chennai, gave lecture on “Bioterrorism” on 11th December 2023. Dr. V. Kalpanadevi (Alumna, 2004 – 2007), Assistant Professor of Botany, ANJA College (Autonomous), Sivakasi, presented a talk on “In vitro callus regeneration of *Andrographis paniculata* Nees., - an important medicinal plant” on 12th December 2023. Dr. Shunmuga Sundari (Alumna, 2014), Former Young Scientist, DBT Young Scientist Project, Pune, gave lecture on “Conservation of plant diversity” on 13th December 2023. On 14th December 2023, Dr. S. Sudha (Alumna, 1987 – 1990), Associate Professor of Botany, Government Siddha College, Palayamkottai, gave a lecture on “Medicinal Plants in Siddha Medicine”. Dr. K. Jeba Ananthi, (Alumna, 1995 – 1998), Assistant Professor of Botany, Sarah Tucker College (Autonomous), Tirunelveli was the resource person on 15th December 2023. Her lecture explored the realm of genetically modified (GM) crops, discussing the principles, methodologies, and applications of genetic engineering in agriculture. 216 students benefitted from this programme.





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ENDOWMENT LECTURE



Department of Botany organized the Inaugural Session of Prof. Joy Mohandhas Endowment and first endowment lecture on 18th March, 2024 in the College Conference Hall. Prof. K. K. Mohandhas, Former Professor of Hindi, V.O. Chidambaram College, Thoothukudi, Prof. Joy Mohandhas, Former Professor and Head, Department of Botany, Women's Christian College, Nagercoil, Dr. Dulcy Elizabeth, Former Dean of Sciences, Former Controller of Examinations and Former Head and Associate Professor of Botany, St. Mary's College (Autonomous), Thoothukudi and Dr. Sahaya Sathish, Associate professor of Botany, St. Joseph's College, Trichirapalli were the chief guests. Dr. Sahaya Sathish delivered a talk on "Green Nanotechnology: Advancement in Phyto formulation in Research". Prof. Mohandhas along with Prof. Joy Mohandhas contributed ₹2,50, 000/- towards Prof. Joy Endowment through which a national level seminar with paper presentation was proposed to be conducted annually in the month of January or February. He also contributed ₹ 50,000/- separately for awarding cash prize for the meritorious students in the III UG (by calculating their five semester marks) and II PG (by calculating three semester marks) every year. The cheque for the same was given to Rev. Sr. Dr. Arockia Jenecius Alphonse which in turn was received by Rev. Sr. Dr. Jessie Fernando.

FACULTY CORNER

RESEARCH PUBLICATION / PRESENTATION

- Dr. A. Arockia Jenecius Alphonse published a research paper entitled "Biosynthesis, characterisation and corrosion inhibition efficiency of silver nanoparticles using ascidians" in Scopus indexed journal on 14th August 2023.
- 2. Part-time scholar Ms. M. Shantha presented a paper entitled "Anticancer activity and phytochemical analysis of red algae *Halymenia floresii* collected from the Gulf of Mannar" in the second international conference on "Unravelling therapeutic resources from nature's treasure" organised by the Mohamed Sathak College of Arts and Science, Sholinganallur, Chennai on 21st and 22nd September 2023.
- Dr. G. Flora, Assistant Professor of Botany and Full-time scholar Ms. G. Mary Stephy published a research paper entitled "Assessing the bioactive potential of low-cost textile dyes extracted from brown seaweeds and their dyeing properties" in Environmental Science and Pollution Research Journal in the month of October 2023.
- Part time scholar Mrs. M. Shantha and A. Arockia Jenecius Alphonse, Assistant Professor of Botany published a research paper entitled "Phytochemical Constituency Profiling and Antimicrobial Activity of *Haloplegma dupperreyi* from the Mandapam, Rameshwaram Coast, Tamil Nadu" in the "Indian Journal Natural Sciences" in the month of October 2023.



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RESEARCH PUBLICATION / PRESENTATION

- Dr. A. Antony Selvi, Assistant Professor of Botany presented the abstract on “Exploring the anti-inflammatory and anti-pyretic activity of ethanolic extract of *Grewia flavescens* and *Grewia rhamnifolia*” in the international conference on “Innovation in Science and Technology for Sustainable Development” organised by the Department of Science, Maharishi School of Science and Humanities, Maharishi University of Information Technology, Lucknow from 21st November to 23rd November 2023.
- Dr. G. Flora, Assistant Professor of Botany and Ms. G. Mary Stephy, fulltime scholar published a paper entitled “Recent advances in remediation strategies for mitigating the impacts of emerging pollutants in water and ensuring environmental sustainability” in Journal of Environmental Management.
- Ms. J.N. Monisha, full time scholar has been awarded the Best Oral Presentation on “Assessing marine water quality and unravelling microbial diversity from three different stations of Thoothukudi coast” in the one-day international seminar on “Recent trends in the role of microbiota in human health and diseases” held on 28th December 2023 organised by the PG and Research Department of Microbiology, Sadakathullah Appa College (Autonomous), Tirunelveli.
- Fulltime Scholar Ms. J. Rathinam presented a paper entitled “Growth tolerance of selected unicellular cyanobacteria on diisononyl phthalate pollution” in the international conference on “Frontiers in Biological and Medical Sciences” organized by the Research Department of Zoology, Seethalakshmi Ramaswami College (Autonomous), Tiruchirappalli from 19th January 2024.
- Ms. S. Pauline Jenifer, Assistant Professor of Botany presented a paper entitled “Phytochemical analysis and antioxidant evaluation of medicinal plant used in the treatment of urolithiasis: a comprehensive study” in the one-day national seminar on “Exploring the essence: advances in life sciences” held on 12th February 2024 organised by the Department of Zoology, Sadakathullah Appa College (Autonomous), Tirunelveli.
- Dr. P. Hermalin, Assistant Professor of Botany won consolation prize for Poster presentation on “Assessment of metal accumulation potential of *Avicennia marina* in Thoothukudi” in the one-day national seminar on “Exploring the essence: advances in life sciences” held on 12th February 2024 organised by the Department of Zoology, Sadakathullah Appa College (Autonomous), Tirunelveli.
- Dr. B. Maria Sumathi, Assistant Professor of Botany presented a paper entitled “Anti-inflammatory activity of *Jatropha gossypifolia* leaves extract against carrageenan induced paw edema” in the one-day national seminar on “Exploring the essence: advances in life sciences” held on 12th February 2024 organised by the Department of Zoology, Sadakathullah Appa College (Autonomous), Tirunelveli.
- Ms. G. Mary Stephy, full-time research scholar presented a paper entitled “Assessment of *Scenedesmus dimorphus* NRMC- F 0174 tolerance on a hazardous chemical dibutyl adipate” in the two-day International Conference on “Microalgae: Biodiversity and Bioprospecting” organised by the Department of Botany, St. Mary's College (Autonomous), Thoothukudi, under Star College Scheme Sponsored by the DBT, Govt. of India, New Delhi on 20th and 21st February 2024.
- Ms. J. Rathnam, full-time research scholar presented a paper entitled “Growth tolerance of Selected Unicellular Cyanobacteria on Diethyl Terephthalate Pollution” in the two-day International Conference on “Microalgae: Biodiversity and Bioprospecting” organised by the Department of Botany, St. Mary's College (Autonomous), Thoothukudi, under Star College Scheme Sponsored by the DBT, Govt. of India, New Delhi on 20th and 21st February 2024.
- Dr. G. Flora won third prize for Poster presentation on “A comprehensive review on accumulation of hazardous plastic additives in medicinal plants” presented in the two days national symposium on farmer- manufacturer's meet: vision for import to export strategy (FMMVIES-2024) Organized by Center of medicinal plants research in Homeopathy, Ooty, Nilgiris on 26th February 2024 and 27th February 2024.
- Dr. G. Flora, Assistant Professor of Botany published a paper entitled “Biochemical engineering for elemental sulfur from flue gases through multi-enzymatic based approaches – A review” in Science of the total environment Journal in the month of February 2024.





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RESEARCH PUBLICATION / PRESENTATION

- Dr. G. Flora won third prize for Poster presentation on “A comprehensive review on accumulation of hazardous plastic additives in medicinal plants” presented in the two days national symposium on farmer- manufacturer's meet: vision for import to export strategy (FMMVIES-2024) Organized by Center of medicinal plants research in Homeopathy, Ooty, Nilgiris on 26th February 2024 and 27th February 2024.
- Ms. A. Selvaananthi, full-time research scholar presented a paper entitled “Fungi for financial freedom: unveiling opportunities in mushroom cultivation for women in Tamil Nadu” in the one-day interdisciplinary national seminar on “Role of Women Empowerment in Economic Development” organised by the Department of Economics and Women Cell, Director General Higher Education, Haryana on 5th March 2024.
- Dr. E. Daffodil D Almeida, Assistant Professor of Botany, presented a paper entitled “Exploration of floristic diversity in Vagaikulam village, Thoothukudi District, Tamil Nadu, India” in the one-day national conference on “Herbal Medicine to Sustain Human and Environmental Health” held on 8th March 2024 organised by the PG and Research Department of Botany, V.O. Chidambaram College, Thoothukudi.

- Ms. G. Mary Stephy, fulltime scholar presented a paper entitled “Understanding the impact of dibutyl adipate on *Scenedesmus dimorphus* NRMCF-0174: tolerance assessment and ecological implications” in the National Conference on “Environmental Issues and their Treatments” organised by Life Science Forum, PG and Research Department of Zoology, V.O. Chidambaram College, Tuticorin between 27th March 2024 and 28th March 2024.
- Ms. J. Rathinam, fulltime scholar presented a paper entitled “Exploring the resilience of unicellular cyanobacteria: tolerance to dioctyl terephthalate pollution.” in the National Conference on “Environmental Issues and their Treatments” organised by Life Science Forum, PG and Research Department of Zoology, V.O. Chidambaram College, Tuticorin between 27th March 2024 and 28th March 2024.
- Dr. G. Flora, Assistant Professor of Botany published a paper entitled “Biofuels an alternative to traditional fossil fuels: A comprehensive review” in Sustainable Energy Technologies and Assessments.



BOOK CHAPTER



Dr. G. Flora, Assistant Professor of Botany and Full-time scholar Ms. G. Mary Stephy published a book chapter entitled “Case Studies in Diatom Biorefinery” in the book Diatoms Biotechnology in the month of October 2023.

MEMBERSHIP IN PROFESSIONAL BODIES

- Dr. A. Jacintha Tamil Malar was appointed as the subject expert in Board of Studies of Allied Botany for a period of 3 years from 13th February 2023 to 12th February 2026. She attended the board meeting held on 24th June 2023 conducted by V.V. Vanniaperumal college for women, Virudhunagar.
- Dr. A. Arockia Jenecius Alphonse, Associate Professor of Botany served as the Subject Expert for the screening cum evaluation committee with regard to the Career Advancement Scheme (CAS), St. John's College, Palayamkottai on 7th November 2023.



ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI

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EXAMINARS

- Dr. A. Arockia Jenecius Alphonse, Head and Assistant Professor of Botany conducted the Manonmaniam Sundaranar University B.Sc. Botany Major Practical Examinations, April 2023 for B.Sc. Botany students of V.O.Chidambaram College from 27th April to 29th April 2023 and 2nd May to 3rd May 2023 (Five days).
- Dr. A. Arockia Jenecius Alphonse, Head and Assistant Professor of Botany was the Chairperson of End Semester valuation, April 2023 for B.Sc. and M.Sc. Botany Major and Allied students of St. Mary's College (Autonomous), Thoothukudi from 4th May to 9th May 2023.
- Dr. A. Jacintha Tamil Malar, Assistant Professor of Botany was the Chairperson of End Semester EVS valuation, April 2023 for I B. Sc. students of St. Mary's College (Autonomous), Thoothukudi held on 10th May 2023. Three faculty from the Department of Botany Dr. E. Daffodil D' Almeida, Dr. F. Dayana Loba and Ms. S. Pauline Jenifer jointly evaluated the EVS papers with other faculty members of the college.
- Dr. Mary Santhi, Assistant Professor of Botany, St. Mary's College (Autonomous), Thoothukudi served as an examiner in the evaluation board for EVS (April 2023 semester examination) at Sadakathullah Appa College (Autonomous), Tirunelveli from 29th May 2023 to 31st May 2023.
- Dr. F. Dayana Loba, Ms. S. Pauline Jenifer and Dr. P. Hermalin, Assistant Professors of Botany served as evaluators for the course "Computer for Digital Era" in the End Semester Examination, November 2023 in St. Mary's College (Autonomous), Thoothukudi on 14th November 2023.
- Dr. A. Arockia Jenecius Alphonse, Head and Associate Professor of Botany was the Chairperson of End Semester valuation, November 2023 for B.Sc. and M.Sc. Botany Major and Allied students of St. Mary's College (Autonomous), Thoothukudi from 14th November to 17th November 2023.
- Dr. F. Dayana Loba, Assistant Professor of Botany served as the Question Setter for the courses "Allied Botany" (23-2BYA2) and "Taxonomy of Embryology and Medicinal Botany" (21-ABYA2) for B. Sc. Allied and Botany End Semester Examination April 2024 at Sarah Tucker College (Autonomous), Tirunelveli on 25th January 2024.
- Dr. F. Dayana Loba, Assistant Professor of Botany conducted the Manonmaniam Sundaranar University M.Sc. Botany Major Practical Examinations, April 2024 for M.Sc. Botany students of Kamaraj College from 29th April 2024 and 30th April 2024 (two days).
- Dr. A. Jacintha Tamil Malar, Associate Professor of Botany conducted the Manonmaniam Sundaranar University M.Sc. Botany Major Practical Examinations, April 2024 for M.Sc. Botany students of V.O. Chidambaram College from 29th April 2024 and 04th May 2024 (five days).

RESOURCE PERSONS

Dr. A. Jacintha Tamil Malar, Assistant Professor of Botany, St. Mary's College (Autonomous), Thoothukudi served as the Resource Person for a Hands-on Training Programme on "Identification of the most important algal groups" on 5th October 2023 organized by the Department of Botany, V.V. Vanniaperumal College for Women, Virudhunagar.





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Dr. G. Flora served as the key note speaker in Vishwa Intellectual Property Conclave 2023 organised by the Vishwakarma Institute of Information Technology, Pune on 24th November and 25th November 2023.



As a part of “Inservice Training Programme for School Teachers (Science) of Thoothukudi District” organised by St. Mary’s College (Autonomous), Thoothukudi and Sponsored by the Tamil Nadu State Council, the Department of Botany offered two lecture sessions and two practical sessions on 29th January 2024. Ms. S. Pauline Jenifer and Dr. E. Daffodil D Almeida, Assistant Professors of Botany delivered lectures on “Role of Genetically Modified Crops in Agriculture” and “Legumes of Tribals: Ancestral Wisdom for Modern Wellness” respectively. Dr. G. Flora and Dr. F. Dayana Lobo, Assistant Professors of Botany demonstrated the technique on “Identification of Bacteria and Fungi”. Dr. S. Beulah Jerlin and Dr. B. Maria Sumathi, Assistant Professors of Botany demonstrated the technique on “Plant Population Analysis through Quadrat Method”.



PARTICIPATION ORIENTATION / REFRESHER / FDP

- Dr. E. Daffodil D’ Almeida attended a one-week online FDP on “Education 4.0” from 1st June 2023 to 7th June 2023 conducted by Teaching Learning Centre, Ramanujan College, University of New Delhi.
- Dr. E. Daffodil D Almeida, Assistant Professor of Botany completed a one-week online FDP on “Blended Learning: Concepts and Tools” conducted by Teaching Learning Centre, Ramanujan College, University of New Delhi, from 1st July 2023 to 7th July 2023 with an ‘A’ Grade.
- Dr. R. Mary Santhi, Assistant Professor of Botany attended Faculty Induction Programme from 25th July 2023 to 23rd August 2023 conducted by the University of Kerala, Thiruvananthapuram.
- Dr. A. Arockia Jenecius Alphonse, Dr. G. Flora and Dr. R. Mary Santhi, Assistant Professors of Botany attended four weeks international online FDP attended four weeks international online Certificate Course on “Microbiology Laboratory Techniques (Phase I)” organised by the Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur in collaboration with Rio de Janeiro State University, Brazil and Biotechnology Society of Nepal from 4th September 2023 to 4th October 2023.



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PARTICIPATION ORIENTATION / REFRESHER / FDP

- Dr. A. Arockia Jenecius Alphonse and Dr. R. Mary Santhi, Assistant Professors of Botany attended four weeks international online FDP on “Medically Important Bacteria” (Phase I) organised by the Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur in collaboration with Rio de Janeiro State University, Brazil and Biotechnology Society of Nepal from 9th October 2023 to 8th November 2023.
- Dr. F. Dayana Lobo, Dr. B. Maria Sumathi and Ms. S. Pauline Jenifer, Assistant Professors of Botany attended one-month Faculty Induction Programme from 22nd October to 20th November 2023 organised by Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with K. M. Mayawati Government Girls P.G. College, Badalpur, GB Nager, U.P. under the Ministry of Education Sponsored by Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching Scheme.
- Dr. A. Arockia Jenecius Alphonse, Associate Professor of Botany participated in the Two-day International Professional Development Workshops for Administrators and Faculty Members on “Faculty Excellence in Teaching and Scholarship” organised by Madras Christian College (Autonomous), Thoothukudi in association with AIACHE, New Delhi & Asia Network of the United States on 23rd October and 24th October 2023.
- Dr. A. Jacintha Tamil Malar, Associate Professor of Botany, Dr. G. Flora and Dr. F. Dayana Lobo, Assistant Professors of Botany completed the 12 weeks (July – October 2023) NPTEL – AICTE Faculty Development Programme on “Dairy and Food Process and Products Technology” on 28th October 2023 conducted by IIT Madras funded by the MoE, Government of India.
- Dr. R. Mary Santhi, Assistant Professor of Botany attended National Level Faculty Development Programme on “Advances in Effective Teaching” organised by IQAC, Sree Narayana College, Kollam, Kerala in association with Kerala State Higher Education Council, Government of Kerala from 1st November to 8th November 2023.
- Dr. P. Hermalin, Assistant Professor of Botany participated in the international online FDP on “Preparing Teachers for Artificial Intelligence Driven Education” organised by Annammal College of Education for Women, Thoothukudi and Centre for Education beyond Curriculum, Christ (Deemed to be University), Bangalore from 6th November to 10th November 2023.
- Dr. S. Beulah Jerlin, Assistant Professor of Botany, St. Mary's College (Autonomous), Thoothukudi attended the UGC sponsored online Refresher Course in Botany conducted by the UGC – Malaviya Mission Teacher Training Centre (Formerly UGC – Human Resource Development Centre), Madurai Kamaraj University, Madurai for 14 days from 7th December 2023 to 20th December 2023.
- Dr. B. Maria Sumathi, Ms. S. Pauline Jenifer and Dr. P. Hermalin participated in the virtual Faculty Development Programme on “Recent Scenario in Biological Science” organised by the PG and Research Department of Zoology, V.O. Chidambaram College, Thoothukudi from 12th February 2024 to 18th February 2024.
- Dr. F. Dayana Lobo, Ms. S. Pauline Jenifer, Dr. R. Mary Santhi, Dr. P. Hermalin and Dr. A. Antony Selvi Assistant Professors of Botany participated in the three-day Faculty Development Programme on “Exploring Biotechnology: Innovative Applications and Advancements” organised by the PG and research department of Zoology, St. Mary's College (Autonomous), Thoothukudi from 14th to 16th February 2024.
- Dr. E. Daffodil D Almeida and Dr. A. Antony Selvi, Assistant Professors of Botany participated the national level seven days upskilling Faculty Development Programme (Online mode) organised by Cluster Department of Life Sciences, Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi from 21st February to 27th February under UGC Autonomy grant.
- Dr. A. Jacintha Tamil Malar, Associate Professor of Botany, Dr. E. Daffodil D Almeida, Dr. F. Dayana Lobo, Ms. S. Pauline Jenifer, Dr. P. Hermalin and Dr. R. Mary Santhi, Assistant Professors of Botany attended the National Level Virtual Faculty Development Programme on “Emerging Trends in Plant Sciences” organised by Department of Botany, Bishop Heber College (Autonomous), Tiruchirappalli from 4th March 2024 to 11th March 2024.
- Dr. R. Mary Santhi, Assistant Professor of Botany participated one-week online Faculty Development Programme on “Advanced Research Methodology” organised by Amiruddaula Islamia Degree College, Lucknow & Science Tech Institute, Lucknow from 21st March 2024 to 27th March 2024.



ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI

DEPARTMENT OF BOTANY

CONFERENCE / SEMINAR / WORKSHOP / WEBINAR PARTICIPATION

- Non-teaching staff of the department Ms. Nirmala. T and Ms. Nirmala. R attended the training on MS office from 5th June 2023 to 12th June 2023 conducted by the Management, St. Mary's College (Autonomous), Thoothukudi.
- Dr. E. Daffodil D' Almeida participated in the international short-term training programme – IX on Environment Pollution: A threat to life below water & World Environment Day Celebration week from 5th June 2023 to 11th June 2023 organised by Raj Rishi Government Autonomous College, Alwar (Rajasthan), India.
- Eight faculty attended the orientation programme on "The Role of Teachers in Prioritizing Institutional Development" held on 24th June 2023 organised by the IQAC, St. Mary's College (Autonomous), Thoothukudi.
- Dr. E. Daffodil D Almeida, Assistant Professor of Botany, St. Mary's College (Autonomous), Thoothukudi participated in the upcycling workshop conducted during Swachhta Pakhwada 2023, conducted by the NSS units of St. Mary's College (Autonomous), Thoothukudi in collaboration with Indian Oil Corporation Limited.
- Dr. P. Hermalin, Assistant Professor of Botany attended a one-day national seminar on "Artificial intelligence tools for education with special reference to chat GPT, GPT 4 and Lamma" organised by the Library committee and Institution innovation council of St. Mary's College (Autonomous), Thoothukudi in technical collaboration with SALIS – Tirunelveli chapter on 11th August 2023.
- Ms. S. Pauline Jenifer, Assistant Professor of Botany attended a one-day orientation workshop on "UBA and convergence possibilities especially under Pradhan Mantri Matsya Sampada Yojana (PMMSY) for participating institution in Tamil Nadu" at GRI on 29th August 2023 for the selected UBA Coordinators organised by Regional Coordinating Institute – Unnat Bharat Abhiyan, The Gandhigram Rural Institute (Deemed University), Dindigul.
- Dr. S. Beulah Jerlin, Dr. E. Daffodil D Almeida, Dr. F. Dayana Lobo, Dr. B. Maria Sumathi, Ms. S. Pauline Jenifer and Dr. P. Hermalin attended a one-day workshop on "Chat GPT and other artificial intelligence tools for classroom teaching and research" organised by the Library committee and IIC, St. Mary's College (Autonomous), Thoothukudi on 7th September 2023.
- Staff members Dr. G. Flora, Dr. S. Beulah Jerlin, Ms. S. Pauline Jenifer and Dr. R. Mary Santhi participated in the workshop on "Academic Writing: Authenticity and Ethical Imperatives" organised by the Research Forum and Library Committee, St. Mary's College (Autonomous), Thoothukudi on 20th September 2023.
- Dr. G. Flora participated in the 52 edition of Bridge 2023 – Madurai (A high impact industry – institute interaction event of India) organised by ICT Academy held on 30th September 2023 at courtyard by Marriott, Madurai.
- Dr. A. Jacintha Tamil Malar and Dr. F. Dayana Lobo participated in the one-day National Conference on "Agrobiome" organised by the Department of Microbiology, St. Mary's College (Autonomous), Thoothukudi on 30th September 2023.
- Dr. G. Flora and Dr. E. Daffodil D Almeida, Assistant Professors of Botany participated in "NEP-2020: Environment and Development - Solutions to Plastic Pollution" organised by UGC-HRDC, Jai Narain Vyas university, Rajasthan on 6th October 2023.
- Dr. A. Arockia Jenecius Alphonse, Head & Assistant Professor of Botany, participated in the Industry Conclave "Innovations, Biobusiness and Startup Ecosystem in Algal Biotechnology – A Carbon Neutral Initiative" on 6th October 2023 organized by the Department of Microbiology, Madras Christian College (Autonomous), Tambaram East, Chennai.
- Dr. R. Mary Santhi, Assistant Professor of Botany, St. Mary's College (Autonomous), Thoothukudi participated in the webinar on "NIRF & KIRF" organized by IQAC, Sree Narayana College, Kollam as part of Agora-2023 on 17th October.
- 10 faculty from the Department of Botany participated in the Professional Progression Programme on "Designing and Development of Digital Resources for Teaching and Learning" organised by the IQAC, St. Mary's College (Autonomous), Thoothukudi on 23rd November 2023.
- 10 faculty from the Department of Botany participated in a one-day workshop on "Concept LOCF and its implementation" organised by the Deans, St. Mary's College (Autonomous), Thoothukudi on 24th November 2023.



ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI

DEPARTMENT OF BOTANY

CONFERENCE / SEMINAR / WORKSHOP / WEBINAR PARTICIPATION

- Dr. Flora, Assistant Professor of Botany participated in the workshop on “Creating Documentaries as Tools for Teaching in Higher Education” organised by the Centre for Education Beyond Curriculum (CEDBEC), CHRIST (Deemed to be University), Bangalore & Eduplus: An Initiative of CHRIST (Deemed to be University), Nodal Office, Thiruvananthapuram, Kerala held on 28th and 29th November 2023.
- 10 faculty of Department of Botany participated in the online workshop on “Avoiding predatory guidelines for choosing quality journals in the digital age” organised by the Marian Research Forum, St. Mary's College (Autonomous), Thoothukudi on 11th December 2023.
- All the catholic faculty participated in the two-day retreat organised by the Management of the College on 2nd January 2024 and 3rd January 2024.
- 11 faculty attended a National Seminar on “Navigating consultancy, filing patent and designing research article: Insights and Strategies” organized by the Marian Research Forum and IQAC of St. Mary's College (Autonomous), Thoothukudi on 20th January 2024.
- Dr. A. Arockia Jenecius Alphonse, Associate Professor of Botany attended DBT Coordinators meeting under Star College Scheme from 7th to 9th February 2024 at RVS College of Arts and Science, Sulur, Coimbatore.
- Dr. E. Daffodil D Almeida, Assistant Professor of Botany, participated in the UGC sponsored webinar on “Student Diversity and Inclusive Education” conducted by the UGC Malaviya Mission Teacher Training Centre, Madurai Kamaraj University on 17th February 2024.
- Dr. A. Antony Selvi, Assistant Professor of Botany participated in the DST FIST sponsored National Seminar on “Tackling Antibiotics Resistance by Bacteriophage Therapy” organised by the Department of Biotechnology, Institutions Innovation Council & Centre of Excellence in Life Sciences, PSGR Krishnammal College for Women, Coimbatore on 1st March 2024.
- Dr. S. Beulah Jerlin attended one day Interdisciplinary National Seminar on "Role of Women Empowerment in Economic Development" organized by the Department of Economics and Women cell, Director General Higher Education, Haryana on 5th March 2024.
- Dr. S. Beulah Jerlin and Ms. S. Pauline Jenifer, Assistant Professors of Botany participated in the webinar on “Plagiarism: Ways and Means to Curb the Menace in AI World” organised by the Library Committee of St. Mary's College (Autonomous), Thoothukudi on 13th March 2024.
- Dr. R. Mary Santhi, Assistant Professor of Botany participated in the webinar on “Open Access Publishing & Research Metrics” organised by Researchers' Forum & IQAC, Sree Narayana College, Kollam, Kerala on 16th March 2024 online.
- Dr. G. Flora, Dr. S. Beulah Jerlin, Dr. F. Dayana Lobo, Dr. B. Maria Sumathi and Ms. S. Pauline Jenifer Assistant Professors of Botany participated in a webinar on “Glimpse on Open Education Resources (OER) in conjunction with tutorial on Zotero: A reference management tool” organised by the Library Committee, St. Mary's College (Autonomous), Thoothukudi on 20th March 2024.
- Dr. S. Beulah Jerlin and Dr. E. Daffodil D Almeida participated in the National webinar on "Nature based solutions, a sustainable approach for environmental conservation: a paradigm shift" organised by V.O. Chidambaram College, Thoothukudi on the 27th of March, 2024
- Dr. A. Jacintha Tamil Malar, Associate Professor of Botany attended one day International Seminar on “Recent Trends in Biology” organised by the PG and Research Department of Botany, Rani Anna Govt. College for Women, Tirunelveli on 04.04.2024.
- Dr. E. Daffodil D Almeida, Dr. B. Maria Sumathi and Dr. R. Mary Santhi, Assistant Professors of Botany attended online training programme on “AI – Tools for Teaching and Learning” organised by Internal Quality Assurance Cell (IQAC), St. Xavier's College (Autonomous), Palayamkottai & Xavier Board of Higher Education, Tamil Nadu Chapter on 06.04.2024.



ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI

DEPARTMENT OF BOTANY

AWARDS

Dr. G. Flora, Assistant Professor of Botany received the Best Academician Award on 2nd September 2023 in the international award ceremony on the birth anniversary of Bharat Ratna Dr. Saravepalli Radhakrishnan organised by the Sidvi foundation.



Dr. G. Flora, Assistant Professor of Botany was awarded the Best coordinator in UGC - webinar (online) on “NEP-2020: Environment and Development - Solutions to Plastic Pollution” organised by UGC-HRDC, Jai Marain Vyas university, Rajasthan on 6th October 2023.



Dr. G. Flora, Assistant Professor of Botany was awarded the best coordinator in UGC-Webinar (online) on “NEP-2020: Water and Sanitation” organized by UGC-HRDC, Jai Marain Vyas university, Rajasthan on 12th October 2023



Dr. E. Daffodil D' Almeida, Nodal Officer of SSR, Assistant Professor of Botany was awarded for successfully involving in the electoral process and for their active participation in the enrolment of new eligible electors, felicitated in the State Level National Voter's Day function held at Kalaivanar Arangam, Chennai organized by the Election Commission of India on 25th January 2024.

E CONTENT

Dr. S. Beulah Jerlin has contributed valuable educational resources with two pieces of e-content on the topic classification of algae and fungi.



Chytridiomycetes

General characteristics



chytridiomycetes

Dr. G. Flora

5 subscribers

Subscribe



Dr. G. Flora has prepared two e content on significant topics within the study of fungi. The first content explains into the general characteristics of Chytridiomycetes, second content focuses on the Oomycetes

Oomycetes (Water Molds)

GENERAL CHARACTERISTICS

Dr. G. Flora
Assistant Professor
Department of Botany
St. Mary's College
(Autonomous)
Thoothukudi, Tamil Nadu



Oomycetes

Dr. G. Flora

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ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI

DEPARTMENT OF BOTANY

RESEARCH CENTER

NEW SCHOLARS



Ms. C. Eruthaya Abisha joined as full-time scholar under the supervision of Dr. S. Beulah Jerlin in the Department of Botany on 8th May 2023.



Ms. J. Shiny joined as Part-time scholar under the supervision of Dr. G. Flora in the Department of Botany on 9th June 2023.

DOCTORAL COMMITTEE MEETINGS

Dr. S. Beulah Jerlin conducted the first DC meeting for the full-time research scholar Ms. C. Eruthaya Abisha on 23rd June 2023 at 2.30 p.m.

The research guide Dr. G. Flora conducted the first DC meeting for her part time scholar Ms. J. Shiny on 29th September 2023.



Dr. G. Flora, Assistant Professor of Botany conducted the Second DC meeting for her Full-time scholar Ms. G. Mary Stephy on 10th October 2023.

Dr. A. Arockia Jenecius Alphonse, Associate Professor of Botany conducted the Second DC meeting for her Full-time scholar Ms. J. N. Monisha on 12.04.2024. The revised title is "Bioprospection of Marine Microalgae from Thoothukudi: Isolation and Characterization".

Dr. S. Beulah Jerlin, Assistant Professor of Botany conducted the Second DC meeting for her Full-time scholar Ms. A. Selvaanathi on 15th March 2023.



Dr. G. Flora, Assistant Professor of Botany conducted the Second DC meeting for her Full-time scholar Ms. J. Rathinam on 06.04.2024. A revision in the title was made: "Exploring the resilience of Cyanobacteria on emerging contaminants and its applications."

SCHOLAR PARTICIPATION

- Full time research scholars Ms. J. Rathinam participated in the online webinar on "The Potential of Genome Editing for Sustainable Agriculture" held on 23rd May 2023 organised by Bioingene, Online Platform.
- Full time research scholars Ms. G. Mary Stephy and Ms. J. Rathinam participated in the online webinar on Microplastics held on 5th June 2023 organised by the Department of Zoology, S.T. Hindu College, Nagercoil.



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SCHOLAR PARTICIPATION

- Full time research scholar Ms. J. Rathinam attended a ten day online short-term course on Advancements in Biological Sciences from 20th June 2023 to 29th June 2023 organised by Ramjas College, New Delhi.
- Full time research scholar Ms. J. Rathinam attended an International interactive webinar on “Academic Entrepreneurship Challenges and Rewards” held on July 1st 2023 organised by Bioingene.com, an online platform for the promotion of international plant science research.
- Full time research scholar Ms. Selvaananthi attended a one-month online certificate course from 4th July 2023 to 4th August 2023 on the topic “Advance in Research” conducted by Manucritpedia, Nagercoil.
- Full time research scholars Ms. J. Rathinam and Ms. C. Eruthaya Abisha participated in an international virtual conference on “Recent Trends in Organometallic and Material Science” organised by the Department of Chemistry, Easwari Engineering College on 6th and 7th July 2023.
- Full time research scholar Ms. J. Rathinam participated in the online National Seminar on “Water Pollution: Impacts and Remedial Measures” held on 17th July 2023 organised by the department of Biotechnology and National Science Scheme, SRM Institute of Science and Technology, Ramapuram campus, Chennai.
- Full time scholars Ms. J. Rathinam, Ms. C. Eruthaya Abisha and Ms. J.N. Monisha participated in a one-day national level expert talk on “Utilization of waste into value added products using thermochemical methods” in connection with “World Biofuel Day” organised by the department of Biotechnology, College of Science and Humanities, SRM institute of Science and Technology, Ramapuram campus, Chennai held on 5th August 2023.
- Full time scholars Ms. J. Rathinam participated in a five-day international workshop on “Computational intelligence 2023” held from 7th to 11th August 2023 organised by the Amirta School of AI, Amirta Vishva Vidyapeetham, Coimbatore, India.
- Full time scholars Ms. J. Rathinam, Ms. C. Eruthaya Abisha, Ms. G. Mary Stephy and Ms. J.N. Monisha and all the students of I M.Sc. Botany attended a one-day national seminar on “Artificial intelligence tools for education with special reference to chat GPT, GPT 4 and Lamma” organised by the Library committee and Institution innovation council of St. Mary's College (Autonomous), Thoothukudi in technical collaboration with SALIS – Tirunelveli chapter on 11th August 2023.
- Full time scholars Ms. J. Rathinam and Ms. C. Eruthaya Abisha attended the international live interactive webinar on “intellectual property (IPR): Patents, Designs, Trademarks, GI and Copyrights” on 26th August 2023 organised by Bioingene.com, an online platform for the promotion of international Plant Science Research, Bhubaneswar, India.
- Full time scholars Ms. J. Rathinam and Ms. C. Eruthaya Abisha attended the international webinar on “Innovative use of educational media and technology in a higher education” organised by Institute of Professional Excellence and Management in collaboration with Centre for Innovative Learning & Knowledge Application on August 28th 2023.
- Full time research scholars Ms. J. Rathinam and Ms. C. Eruthaya Abisha attended a one-day international webinar on “Benign – by – design preparation of nanomaterials for catalytic and sustainable development” organised by the Department of Science and Humanities, National Engineering College, Kovilpatti, Tamil Nadu on 19th September 2023.
- Full time research scholars Ms. J. Rathinam and Ms. C. Eruthaya Abisha attended one-week FDP on “Recent advances, trends and challenges in nanomaterials characterization techniques” organised by the Department of Physics, KLEF – VJA, Guntur, Andhra Pradesh from 25th September 2023 to 29th September 2023.
- Fulltime research scholar Ms. J.N. Monisha attended an online International conference on “Functional nanomaterials and nanodevices” (ICFNN 2023) organised by the faculty of Allied Health Sciences, Chettinad Academy of Research and Education, Chennai on 26th September 2023.
- Full time scholar Ms. J. N. Monisha participated in the National Webinar on “Recent Concepts and Perspectives in Mycology” organized by the Department of Botany, Government Degree College, Ramachandrapuram, Dr. B. R. Ambedkar Kona Seema District, Andhra Pradesh, India on 2nd October 2023.
- Full time scholar Ms. C. Eruthaya Abisha participated in AI-Powered Chemistry: How Reaxys is Transforming Education and Research Webinar on 4th October 2023.



ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI

DEPARTMENT OF BOTANY

SCHOLAR PARTICIPATION

- Full time scholar Ms. J. N. Monisha participated in the Industry Conclave “Innovations, Biobusiness and Startup Ecosystem in Algal Biotechnology – A Carbon Neutral Initiative” on 6th October 2023 organized by the Department of Microbiology, Madras Christian College (Autonomous), Tambaram East, Chennai.
- Full time scholars Ms. J. Rathinam and Ms. C. Eruthaya Abisha participated in the National level webinar on “Research Metrics” organized by Kerala State Council for Science and Technology and Environment - Library, Kerala on 12th October 2023.
- Full time scholars Ms. J. Rathinam and Ms. C. Eruthaya Abisha participated in the National level workshop on “IPR” to create awareness on Intellectual Property Rights and Patents, to develop Academic and Industrial Research Perspective organized by the P.G. Department of Chemistry, Kanya Maha Vidyalaya, Jalandhar on 16th October 2023.
- Full time Scholars Ms. C. Eruthaya Abisha and J. Rathinam participated in the National Seminar on “Materials Science and Engineering” organised by the Department of Physics, SRM Institute of Science and Technology, Ramapuram Campus, Chennai on 27th October 2023.
- Ms. C. Eruthaya Abisha, full time scholar attended the international live interactive webinar on “Millets for sustainable future – a perspective on abiotic stress and BNI” organised by Bioingene.com, an online platform for the promotion of international plant science research and beyond on 2nd December 2023.
- Full time scholars Ms. C. Eruthaya Abisha, Ms. G. Mary Stephy and Ms. J. Rathinam attended Chief Minister research (CMRF) eligibility test for the year 2023 – 2024 on 10th December 2023 conducted by Teachers Recruitment Board, Chennai.
- Four full time scholars of Department of Botany participated in the online workshop on “Avoiding predatory guidelines for choosing quality journals in the digital age” organised by the Marian Research Forum, St. Mary's College (Autonomous), Thoothukudi on 11th December 2023.
- Part-time Scholar Ms. M. Shantha participated in one-week National online Faculty Development Programme on “How to write and publish research papers” organised by HI Learn Edutech Institute, Bijapur, Karnataka from 12th January to 18th January 2024.
- 1.5 research scholars attended a National Seminar on “Navigating consultancy, filing patent and designing research article: Insights and Strategies” organized by the Marian Research Forum and IQAC of St. Mary's College (Autonomous), Thoothukudi on 20th January 2024.
- Ms. Shantha, part-time research scholar participated in the intercollegiate workshop on “Primer Designing for Common Genetic Disease” organised by the PG Department of Biotechnology, School of Biosciences, Kumararani Meena Muthiah College of Arts and Science on 4th March 2024.
- Ms. G. Mary Stephy and Ms. J. Rathinam, Full-time research scholar of Department of Botany participated in the National Seminar on “Marine Resources: Conservation and Sustainable Utilization and Strategies” organised by the PG and Research Department of Zoology, St. Mary's College (Autonomous), Thoothukudi on 6th March 2024.
- Ms. C. Eruthaya Abisha, Ms. A. Selvaanathi, Ms. G. Mary Stephy, Ms. J. Rathinam and Ms. J.N. Monisha, Full-time research scholars participated in the webinar on “Plagiarism: Ways and Means to Curb the Menace in AI World” organised by the Library Committee of St. Mary's College (Autonomous), Thoothukudi on 13th March 2024.
- Ms. J. Rathinam, full-time scholar from the Department of Botany participated in a webinar on “Glimpse on Open Education Resources (OER) in conjunction with tutorial on Zotero: A reference management tool” organised by the Library Committee, St. Mary's College (Autonomous), Thoothukudi on 20th March 2024.

RESEARCH EVENT

- Permission to change the research supervisor was granted to the full-time research scholar Ms. J. Rathinam on 19th July 2023 onwards.
- Full time scholar A. Selvaanathi applied for maternity leave from 16th August 2023 to 12th February 2024.
- Research advisory committee member of the full-time scholar Ms. J. Rathinam has been replaced by Dr. T. Ramanathan, Associate Professor, Department of CAS in Marine biology, Annamalai University, Cuddalore after 19th October 2023.



ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI

DEPARTMENT OF BOTANY

CDP

AWARENESS PROGRAMME ON MILLETS

Dr. P. Hermalin, Dr. A. Antony Selvi, Assistant Professors of Botany and students of II B.Sc. Botany conducted an "Awareness Programme on Millets" in Namalvar Nagar on 15th August 2023. The awareness programme commenced with a villu pattu, which imparted the awareness on the uses of millets, followed by group song and group dance. Students also conducted games for students of Namalvar Nagar and prizes were distributed. 56 village people benefitted from this programme.



THE GRAMA SABHA MEETING

In commemoration of 76th year of independence, Dr. P. Hermalin, Dr. A. Antony Selvi, Assistant Professors of Botany and II B.Sc. Botany under Unnat Bharat Abhiyaan, participated in the Grama Sabha Meeting on 15th August 2023 to discuss the requirements of the people residing in Namalvar Nagar. The Grama sabha meeting commenced under the headship of the Panchayat President Mrs. Jebakani and Clerk Mrs. Mariammal. Residents of Servaikaranmadam panchayat assembled near panchayat office to represent their needs related to public transportation through bus, rectifying the bad condition of roads and various other regional issues. In addition, petitions were also received from public and assured that to the maximum extend their requirements will be met. 356 village people participated in the Grama Sabha meeting.





ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI DEPARTMENT OF BOTANY

TRAINING PROGRAMME ON PREPARATION HERBAL REMEDIES AND TUITION

Dr. R. Mary Santhi and Dr. P. Hermalin, Assistant Professors of Botany and students of II B.Sc. Botany conducted a Training Programme on “Preparation Herbal Remedies and Tuition” for School Students in Namalvar Nagar on 26th January 2024 to facilitate their academic progress and also demonstrated the preparation of homemade herbal remedies for cold and gastric problems to the village people. 37 village people and 30 students benefitted from this programme.



THE GRAMA SABHA MEETING



In commemoration of 75th Republic year, II B.Sc. students and faculty from the Department of Botany, St. Mary's College (AISHE Code: 41151), Thoothukudi under Unnat Bharat Abhiyaan participated in “Grama Sabha Meeting” on 26th January 2024. The Grama sabha meeting commenced under the headship of the Panchayat President Mrs. Jeba Kani, in the presence of Clerk Mrs. Mariammal, Vice-President Mrs. Angelin Jenitta and ward members. In the meeting, various discussions took place regarding water facilities to be availed to all people, repairing the roads, utilization of funds allotted to those who lost home during the flood. Cooperative Bank Loan has been sanctioned to those who have lost their livestock during flood. Labor Welfare Board members elaborated on the various scholarships being provided for student community and also the women welfare schemes available. 256 village people participated the meeting.





ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI DEPARTMENT OF BOTANY

FIELD/LAB/ INDUSTRIAL VISIT

EDUCATIONAL TRIP TO OOTY

Educational trip to Ooty was arranged by the faculty for the Botany students, for experiential learning about Plant diversity and Ecology. On 13th July and 14th July 2023, students from I M.Sc. III B.Sc. and II B.Sc. went to Ooty. The faculty members Dr. G. Flora, Dr. B. Maria Sumathi and Ms. S. Pauline Jenifer escorted the students. 53 students benefited out of it.



FIELD TRIP TO UVARI



The Department of Botany arranged a one-day Field Trip to Uvari, Sri Suyambulinga Swami Temple, SokkanKudierappu, Manapad, Alanthalai and Tiruchendur for the I UG Botany and Chemistry students on 23rd August 2023 as a part of their curriculum. 51 students and 2 faculty members Dr. S. Beulah Jerlin and Dr. F. Dayana Lobo were benefitted through this field trip.

TRIP TO VISIT CSIR-CSMCRI - MARINE ALGAL RESEARCH STATION, MANDAPAM CAMP

The Department of Botany arranged a one-day Trip to Visit CSIR-CSMCRI - Marine Algal Research Station, Mandapam camp on 5th September 2023 for the I PG students as a part of their curriculum to learn the cultivation of seaweed. A total of 6 students and 2 faculty members Dr. G. Flora and Dr. B. Maria Sumathi were benefitted out of it





ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI

DEPARTMENT OF BOTANY

INDUSTRIAL VISIT TO ANTENNA TRUST

The Department of Botany arranged a one-day Industrial Visit to Antenna Trust, Madurai on 12th September 2023. II B.Sc. students attended a one-day training on "Horticulture Techniques" and I B.Sc. students attended a one-day training on "Spirulina Production" at Antenna Resource Centre campus, Madurai. 64 students benefitted out of it. Dr. S. Beulah Jerlin, Dr. E. Daffodil D Almeida and Dr. R. Mary Santhi escorted the students



EDUCATIONAL TRIP TO GOA



Educational Trip to Goa was arranged for II M.Sc. Botany students from 22nd September 2023 to 24th September 2023. Dr. A. Jacintha Tamil Malar and Dr. S. Beulah Jerlin escorted the students. On 22nd September, students and faculty visited ICARI, Ela, Old Goa.

FIELD TRIP TO MANJOLAI FOREST

On 5th March 2024, the Department of Botany arranged a one-day Field Trip to Manjulai Forest in Tirunelveli for the I M.Sc. students as an integral aspect of their academic courses like Plant Taxonomy and Ecology. Dr. Jacintha Tamil Malar and Dr. G. Flora accompanied the students.



LABORATORY VISIT TO MADURAI KAMARAJ UNIVERSITY

The Department of Botany organized a Laboratory Visit to Madurai Kamaraj University, Madurai on 6th March 2024 for III B.Sc. and II M.Sc. students as an integral aspect of their academic courses like Microbiology, Molecular Biology and Biotechnology. Dr. F. Dayana Lobo and Ms. S. Pauline Jenifer accompanied the students.





ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI DEPARTMENT OF BOTANY

INDUSTRIAL VISIT TO NAGA FOOD INDUSTRY

Dr. G. Flora, Dr. B. Maria Sumathi and 31 Botany NME students of St. Mary's College (Autonomous), Thoothukudi, underwent an Industrial Visit to Naga Food Industry, Dindigul, on 27th March 2024.



FIELD TRIP TO AGASTHIYAR HILLS



On 27th of March 2024, the Department of Botany organized a Field Trip to Agasthiyar Hills in Tirunelveli for the 58 undergraduate students of I and II year. The primary objective of the trip was to study the diversity of angiosperms in the natural habitat. This field excursion aimed to provide hands-on experience and practical knowledge to the students regarding plant identification and ecosystem dynamics. Dr. S. Beulah Jerlin and Dr. E. Daffodil D Almeida escorted the students.



STUDENTS ACTIVITIES



- Full time research scholar Ms. J.N. Monisha, Ms. R. Renitta Bency and S. Muthamilselvi of I M.Sc. Botany attended a one-month summer internship in the National Facility for Marine Cyanobacteria, Bharathidasan University, Trichirapalli from 17th May 2023 to 17th June 2023.



- Ms. Malar Nivedhitha. R of III B.Sc. Botany , Ms. R. Abinayasri, J. Annie Pushpa and P. Madhuniha of I M.Sc. attended a 15 day Internship Programme on Research Techniques and its application in life sciences conducted by Ayya Nadar Janaki Ammal College from 1st June 2023 to 15th June 2023.



- Ms. Kenzy. K of II B.Sc. Botany attended Annual Training Camp (ATC) at Sarah Tucker college, Tirunelveli from 5th June 2023 to 14th June 2023 for 10 days.

PARTICIPATION

- 8 students from II UG Botany participated in the online quiz related to environment day conducted on 5th June 2023 by NSS of St. Mary's College (Autonomous), Thoothukudi
- International yoga day was celebrated in the college on 21st June 2023. 7 students from III B.Sc. Botany participated in the programme.
- Induction programme was conducted from 22nd June 2023 to 29th June 2023 for I UG students by the IQAC, St. Mary's College (Autonomous), Thoothukudi.
- 20 II B.Sc. students attended the awareness programme rally against drug abuse and illicit trafficking on 26th June 2023 organised by NSS unit of St. Mary's College (Autonomous), Thoothukudi.



R. Malar Nivedhitha



Ms. A. Selvi Aberna



S. Jeya Preetha

- Office bearers for Botany Association were elected by the faculty of the Department on 27th June 2023. Ms. R. Malar Nivedhitha of III B.Sc. Botany was elected the President. Ms. A. Selvi Aberna of II B.Sc. Botany and Ms. S. Jeya Preetha of I B.Sc. Botany were elected Secretary and Vice-President respectively.

PARTICIPATION



- Interdepartmental competitions were conducted as a part of Cleaness Fortnight 2023 on 10th July 2023 by the NSS units of St. Mary's College in collaboration with Indian Oil Corporation Limited. Ms. N. Harini Shenel and P. Sai Akshaya of II B.Sc. Botany won the third prize in poster making and elocution respectively.



- Interdepartmental competitions were conducted in commemoration of the International year of millets 2023 on 13th July 2023 by the Departments of Computer Science and Psychology along with IQAC, St. Mary's College (Autonomous), Thoothukudi. Ms. A Selvi Aberna of II B.Sc. Botany won the first prize in slogan writing and A.P. Maria Andreyra and E. Snega of I B.Sc. Botany won the first prize in Rangoli.



- Ms. K. Kency of II B.Sc. Botany attended NCC training programme on 26th July 2023 conducted at V. O. Chidambaram College, Thoothukudi.
- Five students from II B.Sc. Botany attended knowledge sharing session on GTM strategy for successful entrepreneurial journey held on 27th July 2023 organised by Entrepreneurship and Innovation Cell, St. Mary's College (Autonomous), Thoothukudi.



- Ms. R. Vidhya of II B.Sc. Botany participated in Tamilnadu AICUF state council held from 28th to 30th July 2023 at Arul Ananthar College, Karumathur. The same student was elected the Women's coordinator in the state level.
- Ms. N. Violet Sarojini of I M.Sc. Botany appeared for the competitive examination for Staff Selection Commission on 8th August 2023 conducted by Government of India.
- Ms. A. Selvi Aberna of II B.Sc. Botany completed a certificate course on "Aari Work" from 1st June 2023 to 10th August 2023 conducted by St. Mary's College (Autonomous), Thoothukudi.
- Ms. G. Sarosmi of II B.Sc. Botany participated and won the second place in the pencil sketching competition on "Millets for Women's Health" conducted by the centre for Eco-Feminine Excellence on 10th August 2023.



- Ms. R. Vidhya of II B.Sc. Botany participated in the 35th AICUF National council held from 12th to 15th August 2023 at AICUF house, Chennai.

PARTICIPATION



- Ms. A. Selvi Aberna of II B.Sc. Botany won the I prize in English essay writing competition, Ms. P. Sai Akshaya of II B.Sc. Botany won the II prize in English elocution and Ms. C. Muthuvalli of I B.Sc. Botany won the II prize in Tamil essay writing competition conducted by the Department of History, St. Mary's College (Autonomous), Thoothukudi in commemoration of the centenary celebration of Vaikom Satyagraha on 14th August 2023.
- Ms. R. Malar Nivedhitha of III B.Sc. Botany has successfully completed a course on "Modelling structures with analytical modeler" on August 20th 2023 conducted by Bentley.
- Ms. R. Malar Nivedhitha of III B.Sc. Botany has successfully completed a course on "2D / 3D CAD Modeling of Building Environment" on August 21st 2023 conducted by Bentley.
- Ms. R. Malar Nivedhitha of III B.Sc. Botany has successfully completed the self-paced training course on "Computer vision onramp" on 22nd August 2023 conducted by Math works, Training services.
- Ms. R. Malar Nivedhitha of III B.Sc. Botany has successfully completed the self-paced training course on "MongoDB Logging Basics" on 25th August 2023 conducted by MongoDB.
- S. Muthamil Selvi of II M.Sc. Botany appeared for the examination for sub inspector on 26th August 2023 conducted by Tamil Nadu uniformed service recruitment board, Chennai.
- Ms. M. K. Habeeb Jahira and Ms. N. Harini Shenel of II B.Sc. Botany participated and won I Prize in slogan writing (Tamil) and Poster making respectively conducted by the Anti-Ragging cell, St. Mary's College (Autonomous), Thoothukudi on 28th August 2023.
- Ms. R. Vidhya of II B.Sc. Botany participated in the short reel competition in "SPRINGS 2K23" held on 16th September 2023 by Fatima College (Autonomous), Madurai.
- Ms. N. Harini Shenel, Ms. P. Sai Akshaya and Ms. J. Padmavathy of II B.Sc. Botany participated in the poster making competition in commemoration of 151st birth anniversary of V.O. Chidambaram conducted by Government Museum, Tirunelveli on 17th September 2023.
- Ms. R. Malar Nivedhitha of III B.Sc. Botany completed an online course on "Cloud and virtualization concepts" conducted by IT Academy on 17th September 2023.
- Ms. R. Vidhya of II B.Sc. Botany participated in the short reel competition in "SPRINGS 2K23" held on 16th September 2023 by Fatima College (Autonomous), Madurai.
- Ms. N. Harini Shenel, Ms. P. Sai Akshaya and Ms. J. Padmavathy of II B.Sc. Botany participated in the poster making competition in commemoration of 151st birth anniversary of V.O. Chidambaram conducted by Government Museum, Tirunelveli on 17th September 2023.
- Ms. R. Malar Nivedhitha of III B.Sc. Botany completed an online course on "Cloud and virtualization concepts" conducted by IT Academy on 17th September 2023.
- Ms. R. Abinayasri of II M.Sc. Botany, eight students from III B.Sc. Botany and three students from II B.Sc. Botany participated in various competitions on BLOWIZ 2023 conducted by the Department of Botany, St. Xavier's College (Autonomous), Palayamkottai on 21st September 2023. Ms. R. Malar Nivedhitha, Ms. N. Antony Steffigrap and Ms. C. Prathiba secured second prize in Art from Bio-waste, Ms. M. Priya Dharshini, Ms. L. Maria Jasmin and Ms. M. Muthu Meena secured third prize in foliar arrangement, Ms. R. Malar Nivedhitha and Ms. S. Penalt Shiranthi secured third prize in plant identification, Ms. N. Ponsha Kanthija and Ms. S. Penalt Shiranthi secured third prize in quiz competition respectively.



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- Ms. S. Jeya Preetha of I B.Sc. Botany won third prize in poetry writing conducted by Idhayalaya – The Heart Center, Sundaram Arulraj Hospital on 25th September 2023.
- Ms. R. Malar Nivedhitha has successfully completed the following seven online courses on: “Microsoft Azure AI fundamentals: Explore visual tools for machine learning” “Bring AI to your business with AI Builder” “Microsoft Azure AI fundamentals: Get started with artificial intelligence” “Create boots with power virtual agents” “GitHub Copilot fundamentals: understand the AI pair programmer” “Create machine learning models” “Improve business performance with AI Builder” conducted by the Microsoft and received certificates on 28th September 2023.
- 32 students from the Department of Botany attended online quiz on “Eve of International day of non-violence” conducted by the Department of Chemistry, Quiz Club and the Department of Library on 2nd October 2023.
- Ms. R. Abinaya Sri, Ms. J. Annie Pushpa, Ms. P. Madhuniha, Ms. S. Muthamilselvi and Ms. R. Renitta Bency of II M.Sc. students participated in the National workshop on “UGC/ NET/SET Preparatory Course” organised by the Department of English, St. Mary's College (Autonomous), Thoothukudi on 7th October 2023.
- 41 students of Department of Botany attended online Quiz on "India: Land of Agriculture" conducted by the Department of Library and Quiz Club, St. Mary's College (Autonomous), Thoothukudi on 18th October 2023.
- 20 students from II B.Sc. Botany and 9 students from I B.Sc. Botany attended online Quiz on “Road Safety Rules” conducted by the RSP, St. Mary's College (Autonomous), Thoothukudi on 19th October 2023.
- 5 students from I M.Sc. Botany, 3 students from II M.Sc. Botany and 15 students from II B.Sc. Botany completed 12 weeks (July – October 2023) NPTEL online certificate course on Dairy and Food Process and Products Technology on 28th October 2023 conducted by Indian Institute of Technology, Kharagpur funded by the MoE, Government of India.
- 14 students from III B.Sc. Botany participated in five days skill development programme organised by Students Council, St. Mary's College (Autonomous), Thoothukudi from 23rd November 2023 to 29th November 2023.



- Ms. N. Vidhya of II B.Sc. Botany attended a leadership camp from 23rd November 2023 to 27th November 2023 at AICUF house, Chennai.

- Road Safety Patrol of St. Mary's College (Autonomous) conducted a quiz on 19th October 2023 entitled “Road safety rules”. Ms. M. Subha of I B.Sc. Botany, Ms. S. Sindhu of II B.Sc. Botany won the second prize, Ms. R. Mari Anusya and Ms. S. Palani of II B.Sc. Botany secured the third prize on 11th December 2023.



- Ms. A. Selvi Aberna of II B. Sc Botany won the first prize and Ms. S. Sindhu participated in the Quiz Competition on “Energy Efficiency, Energy Conservation and Energy Cost” conducted by the Quiz club and IQAC, St. Mary's College (Autonomous), Thoothukudi in collaboration with NLC / NTPL, Thoothukudi on 14nd December 2024.

PARTICIPATION

- Ms. P. Madhuniha, Ms. R. Renitta Bency, Ms. R. Abinayasri and Ms. Muthamil Selvi of II M.Sc. Botany wrote the NET exam on 26th December 2023 conducted by Council of Scientific and Industrial Research, Ministry of Science and Technology, Govt. of India, New Delhi.
- Ms. Harini of II B. Sc Botany won the second prize in pencil drawing conducted by the PG and Research Department of History, St. Mary's College (Autonomous), Thoothukudi in commemoration of the 75th Republic Day celebration on 23rd January 2024.



- Ms. S. Jeya Preetha and Ms. Andrea of I B. Sc Botany, Campus Ambassador of St. Mary's College (Autonomous), Thoothukudi for successfully involving in the electoral process and for their active participation in the enrolment of new eligible electors, felicitated in the State Level National Voter's Day function held at Kalaivanar Arangam, Chennai organized by Election Commission of India on 25th January 2024.
- Students of I B.Sc. Botany wrote the Thirukural Exam conducted by Ulaga Thirukural Peravai, Madurai on 29th January 2024.



- On the 12th of February 2024, six students from I PG and 5 students from UG attended a one-day training session on "Mushroom Cultivation and Biocontrol Agent Production" at the VOC Agricultural College and Research Institute in Killikulam, Vallanadu. Dr. G. Flora, Assistant Professor of Botany, St. Mary's College (Autonomous), Thoothukudi accompanied the students.

- Ms. M. Subha of I B.Sc. Botany participated in Social Analysis workshop held at Loyola IIT Madurai on 16th February 2024 to 18th February 2024 organised by AICUF



- Department of Botany, St. Mary's College (Autonomous), Thoothukudi in collaboration with ICAR-SCAD-Krishi Vigyan Kendra, Vagaikulam organised 30 hour internship programme on "Organic farming technology and Biofertilizer" for II B.Sc. Botany students from 19th February 2024 to 24th February 2024. 34 students benefited out of it.
- Ms. C. Muthuvalli of I B.Sc. Botany participated in the "Story Telling" competition organised by the Library Committee, St. Mary's College (Autonomous), Thoothukudi on 22nd February 2024.
- Six students and five students from II and I M.Sc. Botany participated in the one-day national conference on "Herbal Medicine to Sustain Human and Environmental Health" held on 8th March 2024 organised by the PG and Research Department of Botany, V.O. Chidambaram College, Thoothukudi.
- Ms. A. Selvi Aberna, Ms. M.K. Habeeb Jahira and Ms. B. Prathiba of II B.Sc. Botany students submitted their innovative idea on "Extraction of beta carotenoid from the microalgae – Dunaliella for soap making", Ms. S. Sindhu, Ms. N. Harini Shenel and Ms. Emima Varshini of II B.Sc. Botany submitted their innovative idea on "Pollution free environment by using algae", Ms. P. Sai Akshaya, Ms. V. Salomi and Ms. R. Vidhya of II B.Sc. Botany submitted their innovative idea on "Plant Dye Tattoo" to the EDII's hackathon contest for higher education students of Tamil Nadu 2024 on 20th March 2024.
- Ms. R. Malar Nivedhitha, Ms. M. Muthu Meena, Ms. S. Abina of III B.Sc. Botany participated in the creative writing competition on essay, Ms. R. Malar Nivedhitha also participated on poetry, Ms. M. Priya Dharshini of III B.Sc. Botany participated on drawing conducted by Shakespeare Publications, Coimbatore for the academic year 2023 – 2024.



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PARTICIPATION



- 12 III B.Sc. students attended Science Academies Lecture Workshop on “Recent Developments on Biodiversity and Ecoservices and their Impact on Human Welfare” organised by PG and research Department of Botany, V.O. Chidambaram College, Thoothukudi, sponsored by Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi, National Academy of Sciences, India on 03.04.2024 and 04.04.2024.

- .Ms. S. Jeya Preetha of I B.Sc. Botany won third prize on Poetry Writing in State Level, third prize in Essay Writing in College Level and Ms. M. Dharanya of I B.Sc. Botany won second prize in Drawing competition in College Level conducted by Shakespeare Publications, Coimbatore on 11.04.2024.

FINE ARTS

Ms. M. Priyadarshini and Ms. S. Penalt Shiranthi of III B.Sc. Botany won second prize in flower arrangement, Ms. A. Vennila of II B.Sc. Botany won second prize in glass painting, Ms. A. Selvi Aberna of II B.Sc. Botany secured I Prize in pot painting, Ms. N. Harinin Shenel secured second prize in pencil drawing and Ms. M. Muthu Meena of III B.Sc. Botany won third prize in flower tying competitions as a part of the Marian Art Fest'24, organised by St. Mary's College (Autonomous), Thoothukudi held from 29th February 2024 to 2nd March 2024.

MOOC

II B. Sc Botany – 2023-24

Course name: **Dairy and Food Process and Product Technology**

No. of Students appeared: 33

Total Number of Students Passed: 15

I M. Sc Botany – 2023 - 24

Course name: **Dairy and Food Process and Product Technology**

No. of Students appeared: 6

Total Number of Students Passed: 5

II M. Sc Botany – 2023 – 24

Course name: **Dairy and Food Process and Product Technology**

No. of Students appeared : 3

Total Number of Students Passed: 2

Course name: **Food Microbiology and Food Safety**

No. of Students appeared : 2

Total Number of Students Passed: 2





ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI

DEPARTMENT OF BOTANY

OTHER PROGRAMMES ORGANISED

ENTREPRENEURIAL TRAINING PROGRAMME ON MILLET-BASED TIFFIN RECIPES

The Department of Botany along with IQAC celebrated the International year of millets on 28th July 2023 with the aim of promoting the utilization of millets in diverse culinary applications. As a part of it, the department conducted an Entrepreneurial Training Programme on “Millet-based Tiffin Recipes”. Dr. Sr. Jessie Fernando, the Principal, St. Mary's College (Autonomous), Thoothukudi tasted the millet-based food items prepared by the faculty and students of Botany department. 72 enthusiastic participants attended the programme



INVITED TALK ON ETHNOBOTANICAL DOCUMENTATION



The Department of Botany organised an Invited Talk on “Ethnobotanical Documentation” for the II UG and I PG Botany students in the Botany Lecture Hall on 9th August 2023. Dr. R. Gnanavel., Assistant Professor of Botany, School of Life Sciences, Arignar Anna College (Arts and Science), Polupalli, Krishnagiri was the resource person. 41 students were benefited from this programme.

CAREER GUIDANCE TALK ON JOB OPPORTUNITIES FOR BOTANIST

The Department of Botany organised a Career Guidance Talk on “Job Opportunities for Botanist” in the Botany Lecture hall on 9th August 2023. Dr. R. Gnanavel., Assistant Professor of Botany, School of Life Sciences, Arignar Anna College (Arts and Science), Polupalli, Krishnagiri was the resource person. 21 students and 4 faculty benefited from this programme.



SKILL DEVELOPMENT PROGRAMME ON FROM SAMPLE TO INSIGHTS: NUCLEIC ACID EXTRACTION AND PCR ANALYSIS



The Department of Botany conducted a Skill Development Programme on “From sample to insights: Nucleic acid extraction and PCR analysis” on 11th August 2023. Dr. M. Senthil @ Shankar, Research fellow, ICAR – CTCRI, Trivandrum, Kerala was the resource person. 2 faculty and 19 students benefitted through this programme.



ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI DEPARTMENT OF BOTANY

OTHER PROGRAMMES ORGANISED

MOTIVATIONAL TALK ON WHERE AM I NOW? WHERE DO I WANT TO GO?

The Department of Botany organised a Motivational Talk on “Where am I now? Where do I want to go?” on 9th September 2023. Dr. X. Rosary (Alumna, Batch 1971 – 1976), Retired Associate Professor of Botany, St. Mary's College (Autonomous), Thoothukudi and the Director of the Department of Youth Welfare, Manonmaniam Sundaranar University, Tirunelveli was the resource person. . 54 students benefitted out of the programme.



INTER-SCHOOL AND INTER- COLLEGIATE ART FESTIVAL



The Department of Botany organised an Invited Talk on “Ethnobotanical Documentation” for the II UG and I PG Botany students in the Botany Lecture Hall on 9th August 2023. Dr. R. Gnanavel., Assistant Professor of Botany, School of Life Sciences, Arignar Anna College (Arts and Science), Polupalli, Krishnagiri was the resource person. 41 students were benefitted from this programme.

INVITED TALK ON ALGAE - AN AMAZING ORGANISM

The Department of Botany organised an Invited Talk on “Algae – An Amazing Organism” on 29th September 2023. Dr. Bakthavachalam Babu, Assistant Professor of Botany, Madras Christian College (Autonomous), Chennai was the resource person. A total of 60 students were benefitted from this lecture.



INTERCOLLEGIATE ONLINE QUIZ SERIES ON PLANT SCIENCE

The Department of Botany conducted an online Inter-collegiate Quiz Series on “Plant Science” from 25th September 2023 to 30th September 2023. The event aimed to enhance the knowledge and interest in the field of botany among the students. UG and PG students, research scholars and faculty of different institution from all over India registered and participated in the quiz. 192 participants benefitted out of it. Ms. R. Devi Priya of M.M.E.S. Women's Arts and Science College and Ms. Deepthi of Lady Doak College, Madurai secured the first and second places respectively. Cash awards were given to the winners.



ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI DEPARTMENT OF BOTANY

OTHER PROGRAMMES ORGANISED

STATE SEMINAR ON EXPLORING THE HORIZONS FOR ENTHRALLING CAREER FOR SCIENCE ENTHUSIASTS

The Department of Botany organized a State level Seminar on "Exploring the Horizons for Enthralling Career for Science Enthusiasts" for the school students of Thoothukudi District on 19th October 2023. Dr. Gnanavel, Assistant Professor, Department of Botany, School of Life Sciences, Arignar Anna College (Arts and Science), Krishnagiri addressed the students on "Botanical Horizons: Navigating Diverse Career for Botany Graduates." Dr. Mugendhiren, Senior Research Fellow, Center for Medicinal Plants Research in Homeopathy (CMPRH), Nilgiris addressed on "A Comprehensive and Overarching Theme for Higher Studies in Botany". Dr. X. Rosary Mary, former Director of Youth Welfare, M. S. University, Tirunelveli and retired Associate Professor of Botany, St. Mary's College (Autonomous), Thoothukudi lectured on "Plants and human beings are inseparable parts of Nature – What's my role in preserving this precious globe?". 123 students and 10 staff from 10 schools of Thoothukudi district, 9 students and 1 faculty from Holy Cross College (Autonomous), Nagercoil and 80 students and 10 faculty from the Department of Botany, St. Mary's College (Autonomous), Thoothukudi benefitted through this seminar.



BEST PRACTICE INTRODUCED



As a part of the Best Practices, the Department of Botany introduced a Merit scholarship and prizes for 100% attendance for the students of Department of Botany on 19th October 2023. The meritorious students were selected based on their academic profile and awarded with the amount of Rs. 1000/- The students with 100% attendance were given a cash prize of Rs. 500.

TRAINING ON PLANT TISSUE CULTURE TECHNIQUES

The Department of Botany organized a two-day Hands-on Training on "Plant Tissue Culture Techniques" from 22nd January and 23rd January 2024. Dr. Prem Kumar, Associate Professor of Botany, VHNSN College (Autonomous), Virudhunagar served as the resource person for the programme. 16 participants benefitted out of it.





ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI DEPARTMENT OF BOTANY

OTHER PROGRAMMES ORGANISED

NATIONAL LECTURE CUM TRAINING ON TAXONOMIC TALE OF THE PLANT KINGDOM

The Department of Botany, St. Mary's College (Autonomous), Thoothukudi organized a two-day National Lecture cum Training on "Taxonomic Tale of the Plant Kingdom" on the 8th and 9th of February, 2024. Dr. Shreekar Pant, Coordinator of the Centre for Biodiversity Studies at Baba Ghulam Shah Badshah University, Rajouri, Jammu and Kashmir, delivered an enlightening lecture on "Taxonomy, Biodiversity and Nature-Based Solutions for a Better Tomorrow. Dr. R. Murugan, Assistant Professor at the Centre for Research & Postgraduate Studies in Botany, Ayya Nadar Janaki Ammal College, Sivakasi, elucidated on "Plant Identification and Botanical Nomenclature," followed by a hands-on training session on "Preparation of Taxonomic Keys and Herbarium," providing participants with practical insights into the methodologies employed in taxonomy and Dr. D. Narasimhan, Former Head & Associate Professor of Botany at Madras Christian College, Chennai, addressed the audience on the topic "Why Are We Afraid of Teaching and Learning Taxonomy?" shedding light on the challenges associated with teaching and learning taxonomy. 147 students and faculty benefitted from this programme.



INTERNATIONAL CONFERENCE ON MICROALGAE: BIODIVERSITY AND BIOPROSPECTING

The Department of Botany organised a two-day International Conference on "Microalgae: Biodiversity and Bioprospecting" under Star College Scheme Sponsored by the DBT, Govt. of India, New Delhi on 20th and 21st February 2024. Dr. N. Thajuddin, Pro-Vice Chancellor of BSA Crescent Institute of Science & Technology, Chennai, delivered a talk on "Classify, Consume and Celebrate the Competencies of Microalgae". Dr. Lewis Oscar, Post-Doctoral Fellow from the Division of Medicine at Houston Methodist Hospital, Houston, United States, gave a talk on "Antipathogenic potentials of Cyanobacteria against Gram negative and Gram-Positive bacteria". Dr. S. Nagaraj, Assistant Professor at the Centre for Advanced Studies in Botany, University of Madras, Chennai, delved into the intricate world of microalgae, discussing on the "Taxonomy, Biodiversity and the Biotechnological Aspects of Microalgae". On the second day, Dr. M. Muthukumaran, Assistant Professor of Botany, Ramakrishna Mission Vivekananda College (Autonomous), Chennai, shared insights of the "Potential of Microalgae for Phycoremediation of Industrial Effluents and its Wide-ranging Applications". Dr. Praveen Kumar Ramasamy, Leader of the Microalgae Section at the Bioresources Center, Food and Production Division, Danish Technological Institute, Taastrup, Denmark, discussed the "Application of microalgal bioprocesses in food and feed production". Dr. P. Hanumantha Rao, Associate Professor of Microbiology, Madras Christian College (Autonomous), Chennai shed light on "Open Immobilized Polyculture Microalgae Systems for Phycoremediation - a sustainable approach for the future. During the conference, 34 research findings were presented. 100 participants benefitted from this programme.





ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI DEPARTMENT OF BOTANY

OTHER PROGRAMMES ORGANISED

SCIENCE EXPO" 2024

All the science departments of St. Mary's College (Autonomous), Thoothukudi organized one day "Science Expo" 2024 on 28th February 2024 for school students. The Department of Botany exhibited medicinal plants, physiological set ups, seaweeds, fossils, plant diversity and modification of plants. 1418 school students from the Districts of Thoothukudi, Tirunelveli and Tiruchendur benefitted out of it.



INTER SCHOOL SCIENCE QUIZ '24



The Interschool Science Quiz '24 for 6th to 8th standard students of the schools of Thoothukudi district was organized by all the science departments of St. Mary's College (Autonomous), Thoothukudi on 28th February 2024 in view of Science Day celebration. The event witnessed the participation of 21 teams from 13 different schools from Thoothukudi district. Ms. S. Pauline Jenifer, Assistant Professor, Department of Botany and Dr. Zozimus Divya, Assistant Professor, Department of Chemistry acted as the quiz mistresses.

LECTURE CUM HANDS-ON TRAINING ON HISTOCHEMICAL TECHNIQUES



The Department of Botany organized a Lecture cum Hands-on Training on "Histochemical Techniques" on the 11th March 2024. The event was conducted for the I UG, II UG, and I PG students of the Botany Department. Dr. V. Nandagopalan, Associate Professor from the Department of Botany at National College (Autonomous), Tiruchirappalli, was the resource person. He conducted hands-on training, guiding the students through the practical aspects of histochemical analysis. A total of 42 students and 5 faculty members benefited from this informative session.

SPECIAL LECTURE ON 'OER AND OVERVIEW ON N- LIST'

The Department of Botany in association with Department of Library organized a Special Lecture entitled 'OER and overview on N- List" on 14th March 2024 for I M.Sc. Students. Dr. Vinitha, Librarian St. Mary's College (Autonomous) Thoothukudi, was the resource person. The event aimed to promote innovative ways of utilizing library resources beyond the physical space of the library. Six first year PG Botany Students and two Ph.D. Scholars participated.





ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI DEPARTMENT OF BOTANY

OTHER PROGRAMMES ORGANISED

NATIONAL WORKSHOP ON STEERING THE ENTREPRENEURS: STRATEGIES FOR START-UP SUCCESS

The Department of Botany in collaboration with the Department of Economics, St. Mary's College (Autonomous), Thoothukudi organized a one-day National Workshop on "Steering the Entrepreneurs: Strategies for Start-up Success" on 16th March 2024. Dr. R. Karupphasamy, Dean of the School of Management at Hindustan Institute of Technology & Science, Bay Range Campus, Padur, Chennai, kicked off the event with a lecture titled "Government Schemes and Incubator Facility," shedding light on various government initiatives and support available for budding entrepreneurs. Dr. R. Mohan Kumar, a distinguished Professor from the Department of P. G. Commerce at Kristu Jayanti College (Autonomous), Bengaluru, Karnataka, took the stage to deliver a talk on "Innovate, Adapt, Thrive: Crafting Success in the Digital Entrepreneurial Landscape." Dr. Leena Jenefa, Associate Professor at the School of Management, Hindustan Institute of Technology & Science, Bay Range Campus, Padur, Chennai concluded the workshop with her session titled "Entrepreneurship Skills, Attitude & Behaviour Development." Students from the Departments of Botany and Economics benefitted from this programme.



INVITED LECTURE ON APPLICATION OF MATHEMATICS IN SCIENCE



On 18th March 2024, the Department of Botany in association with Department of Mathematics, St. Mary's College (Autonomous), Thoothukudi organized an Invited Lecture on the topic "Application of Mathematics in Science". Dr. M. P. Jeyaraman, Associate Professor of Mathematics from Presidency College, Chennai was the resource person. Departments of Botany and Mathematics benefitted from this programme.

INTERNATIONAL CONFERENCE ON BIOTECHNOLOGY TO ENTREPRENEURSHIP

Department of Botany in collaboration with P.G and Research Department of Commerce organised an International Conference on "Biotechnology to Entrepreneurship" on March 25th and 26th 2024 in Hybrid mode. Dr. Suresh Govindan, Research Head, AVN Ayurveda Formulation Private Limited, Madurai, Dr. S. Murugan, Associate Professor, Department of Biotechnology, Karunya Institute of Technology & Science, Coimbatore, Dr. Sharan Kumar Shetty, Deputy Vice Chancellor, Texila University, Zambia, Southern Africa, Mr. P. Austin, Founder & MD, Athmic Biotech Solutions Pvt. Ltd, Thiruvananthapuram, Kerala gave insights into how biotechnology offers immense opportunities for businesses to innovate, differentiate, and create value across diverse sectors, driving economic growth, and societal impact. Two hundred and forty students and ten members of faculty attended the conference.





ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI

DEPARTMENT OF BOTANY

OTHER PROGRAMMES ORGANISED

NATIONAL SEMINAR ON INTERSECTING VISTAS: THE FUSION OF LANDSCAPE AESTHETICS AND LITERATURE OF THE HUMAN ECOLOGY

Department of Botany in association with Department of English conducted a one-day National Seminar on “Intersecting Vistas: The Fusion of Landscape Aesthetics and Literature of the Human Ecology” on 25th March 2024. The erudite sessions started with the special lecture by Dr. Dian V. Prakash, Assistant Professor of English, All Saints College, Thiruvananthapuram. She addressed the students on the topic “Shattering the Hubris: The Rise of Eco literature”. The next session was handled by Dr. M. Sheeba, Assistant Professor of English, Ayyankali Memorial Arts and Science Govt Aided College, Punnalur, Tiruvanthapuram. She delivered her lecture on the topic “Is Nature Whispering or Warning? Rethink... Reconnect... Restore...”. Two hundred and fifty-four students and sixteen members of faculty attended the conference.



NATIONAL SEMINAR ON FARMING AND FLORAL FOOT PRINTS – TRACING INTERWOVEN HISTORICAL AND BOTANICAL HERITAGE



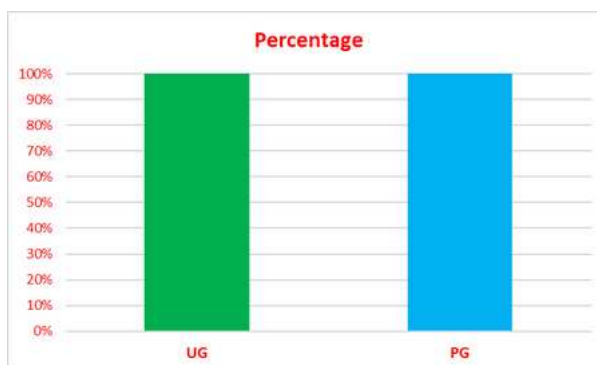
Department of Botany in association with the Department of History, St. Mary's College (Autonomous) Thoothukudi hosted a National Seminar on “Farming and Floral Foot Prints -Tracing Interwoven Historical and Botanical Heritage” on 27th March 2024. The distinguished resource persons Dr. Sebastian Joseph, Former Associate Professor of History, UC College, Aluva, Kerala, Prof. S. Rajavelu, Chief Advisor, Archaeology HR &CE, Government of Tamil Nadu, Chennai and Dr. D. Ruckmani Assistant Professor of History, Muthurangam Government Arts College, Vellore addressed on intricate relationship between History and Botany shedding light on Farming practices and Floral Prints through the ages and its impact in history. One hundred and twenty-one participants benefitted from this programme.

PROJECTS

The student projects encompasses **6 undergraduate group projects** and **6 postgraduate individual projects**, highlighting the phytochemical analysis and green synthesis of nanoparticles from medicinal plants, as well as the exploration of marine microalgae diversity, phycoremediation, hydroponics, and eco-friendly dyes.

III UG & II PG PASS PERCENTAGE

III UG PASS PERCENTAGE - 73%
III PG PASS PERCENTAGE - 100%





ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI

DEPARTMENT OF BOTANY

HIGHER EDUCATION

Sl.No	Name of student enrolled for higher education	Programme completed	Name of institution joined	Name of programme admitted to
1	Muthamilselvi. S	M.Sc. Botany	St. Ignatius College of education, Palayamkottai	B.Ed.,
2	Madhuniha. P	M.Sc. Botany	Dr. Hashims institute of life sciences, Kerala	NET Coaching
3	Rennita Bency. R	M.Sc. Botany	Dr. Hashims institute of life sciences, Kerala	NET Coaching
4	Penalt Shiranthi. S	B.Sc. Botany	St. Mary's College (Autonomous) Thoothukudi	M.Sc.
5	Ponsha Kanthija.	B.Sc. Botany	St. Mary's College (Autonomous) Thoothukudi	M.Sc.
6	Priyadharshini. M	B.Sc. Botany	St. Mary's College (Autonomous) Thoothukudi	M.Sc.

PLACEMENT

S. No.	Name of student placed with his/her contact details	Programme completed	Name of the employer with contact details	Pay package at the time of appointment
1	Abinaya Sri. R	M.Sc. Botany	Trainee Teacher, Sri Ambal Vidhyalaya CBSE School, Vilathikulam.	9000/-
2	Maria Jasmin. L	B.Sc. Botany	Clerk, IDFC FIRST Bharat Limited, Trichy	12, 000/-
3	Sindhiya. A	B.Sc. Botany	Sales representative, Jayavilas Textile Mill, Madurai	16, 000/-
4	Muthulakshmi. S	B.Sc. Botany	Sales woman, Velan Hyper Mart, Thoothukudi	7, 500/-