

NEWSLETTER 2022-2023



Department of Botany

HOD'S Message

Greetings from the Department of Botany!

It brings me great pleasure to share with you the latest edition of our Department of Botany Newsletter at St. Mary's College (Autonomous), Thoothukudi. This newsletter is a reflection of the hard work, dedication, and passion of our students and faculty, showcasing the remarkable accomplishments, activities, and events that have taken place over the recent months.

Our department continues to thrive as a center of excellence, nurturing inquisitive minds and fostering a deeper understanding of the natural world. Through innovative teaching methods, research projects, and hands-on field experiences, we are committed to inspiring our students and preparing them for a sustainable future. As botanists, our mission goes beyond academics; we aim to instill a lifelong appreciation for the environment and a responsibility toward conserving biodiversity.

I am proud of our faculty members who consistently go above and beyond to guide and mentor our students, encouraging them to participate in workshops, seminars, and research endeavors. Their commitment has led to an environment where learning and discovery are paramount. Our students, too, have risen to the challenge, participating in national conferences, conducting meaningful research, and excelling in their studies.

As we move forward, let us continue to build on our strengths, embrace new opportunities, and work together to contribute positively to society and the field of botany. Thank you for being a part of our journey, and I hope you find this newsletter both inspiring and informative.

With warm regards,

Dr. M. Glory

Associate Professor and Head, Department of Botany

St. Mary's College (Autonomous), Thoothukudi

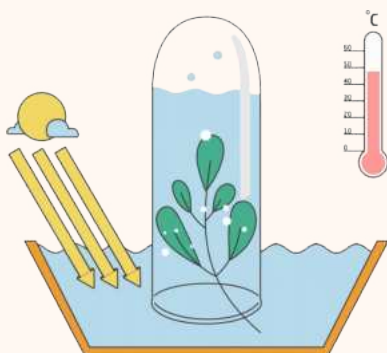
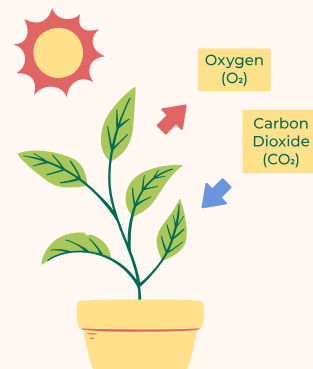
Editorial team



Dr. M. Glory
Dr Sr. Arockia Jenecius alphonse
Dr. A. Jacintha Tamil Malar
Dr. G. Flora
Dr. S. Beulah Jerlin
Dr. E. Daffodil D almeida
Dr. F. Dayana lobo
Dr. B. Maria sumathi
Ms. S. Pauline Jenifer
Dr. R. Mary Santhi
Dr. P. Hermalin

ACTIVITIES OF THE ASSOCIATION

Botany Association Meeting was conducted on “plant physiology ” on 17.02.2023. Dr. Beschi rayan, Associate Professor, Department of Botany, St. xavier’s college (Autonomous) palayamkottai.





MENTOR MENTEE DETAILS

S.No	Class	Total No. of Students	Name of the Mentor
1.	I B.Sc.	34	Dr. F. Flora, Dr. B. Maria Sumathi and Dr. R. Mary santhi
2.	II B.Sc.	15	Dr. E. Daffodil D' Almeida. Dr. F. Dayana Lobo
3.	III B.Sc.	37	Ms.S.pauline Jenifer Dr. A. Jacintha Tamil Malar Dr. P. Hermalin
4.	I M.Sc.	6	Dr. M. Glory
5.	II M.Sc.	13	Dr. A. Arockia Jenecious Alphonse Dr. S. Beulah Jerlin

CERTIFICATE COURSES



Year of study	Name of the Course	No. of Students Enrolled
III B.Sc.	Desktop Publishing	37

BOARD OF STUDIES - MINUTES

The board of studies meeting was conducted in 19.04.2023

Subject expert from University out of MS University

1) Dr. P. Mehalingam, Associate Professor

Department of Botany,

V.H.N. Senthilkumar Nadar College,

Virudunagar - 626 001

Mail id: mehalingam@vhnsnc.edu.in

Mob: 9443545338

2) G.Priscilla Sweetlin,

Assistant Professor and Head,

Department of Botany,

Lady Doak College (Autonomous), Madurai

Mail id: priscillasweetlin@ldc.edu.in

Mob: 94864 94605

Subject Experts to be sent to the University

1) Dr. S. Jayakumar,

Associate Professor, Department of Botany,

N.M. Christian College,

Marthandam, Kanniyakumari - 629 165

Mail id: jayas1968@gmail.com

Mob: 9442788481

Expert in Allied area:

Dr. M. Theradimani,

Dean, Agricultural College & Research Institute, Tamil

Nadu Agricultural University,

Killikulam -628 252

Thoothukudi

Mail Id: mtheradi@gmail.com

Mob: 9443432752

Alumna

Dr. Antony Rose Immaculate C, Assistant Professor and

Head, Department of Botany,

Stella Maris College (Autonomous),

Chennai - 600086.

Mail

id:antonyroseimmaculate@stellamariscollege.edu.in

Mob: 99405 88388

➤➤➤ MOU ACTIVITY - ONE WEEK TRAINING PROGRAMME ON BIOLOGICAL TECHNIQUES



In view of connecting students to strengthen the opportunities and increasing competency across the institutions, our department has organized a week training programme on Biological Techniques PG students of Holycross home science college from 26.9.2022 to 30.9.2022. All the 30 student participants are fruitfully engaged in the hands-on training experience by all the teachers of the botany department.



➤➤➤ MOU ACTIVITY - INTERNSHIP PROGRAM ON FOOD NUTRITION

As part of the Memorandum of Understanding, 12 PG students from Holycross Home Science College in Thoothukudi completed a 15-day internship in the Botany Department. Participants were actively engaged in training sessions led by faculty members and research scholars from the Department of Botany in accomplishment for their M.Sc. projects.



➤➤➤ PTA & ALUMNAE MEET

PTA MEET DATES

I UG - 21.01.2023

I PG - 21.01.2023

ALUMNAE MEET DATE

24.09.2022



FACULTY PARTICIPATION

S.No	Name of Teacher who attended the programme	Title of the programme	Duration	DD-MM-YYYY (from - to)
1.	Dr. S. Beulah Jerlin	Webinar on "Startup Company - It's Legal issues and ethics	1 day	30.08.2022
2.	Dr. S. Beulah Jerlin	Faculty Development program on "Biotechnology Today and Tomorrow: Innovations and Implications	5 days	01 .09.2022 to 05.09.2022
3.	Dr. F. Dayana Lobo	Faculty Development program on "Biotechnology Today and Tomorrow: Innovations and Implications	5 days	01 .09.2022 to 05.09.2022
4.	Dr. S. Beulah Jerlin	Workshop on "NEP 2020 and Indian Knowledge Tradition: Changing Role of Teachers"	1 day	06.09.2022
5.	Dr. S. Beulah Jerlin	Workshop on "NEP 2020 and Indian Knowledge Tradition: Changing Role of Teachers"	1 day	08.09.2022
6.	Dr. S. Beulah Jerlin	Webinar on Emerging Trends in Microbial Technology	1 day	08.09.2022
7.	Dr. S. Beulah Jerlin	Conference on The Role of IQAC in Quality Sustenance and Quality Enhancement in the Context of Revised Assessment and Accreditation framework (RAAF) in Higher Education Institution (HEI)"	2 days	15.09.2022 to 16.09.2022
8.	Dr. S. Beulah Jerlin	Multilingual Thirukural World Record Programme	1 day	10.10.2022
9.	Dr. S. Beulah Jerlin	Seminar on "NAAC Accreditation process: Preparation & Stakeholderds feedback"	1 day	12.11.2022
10.	Dr. S. Beulah Jerlin	Evaluator of Understanding Ecosystem for Health abd Wellbeing	1 day	26.11.2022
11.	Dr. G. Flora	International Seminar on Plant Response to Climate Change	2 days	08.12.2022 & 09.12.2022
12.	Ms. S. Pauline Jenifer	International Seminar on Plant Response To climate Change (PlantCliC-2022)	2 days	08.12.2022 & 09.12.2022
13.	Dr. Mary Santhi. R	International Seminar on Plant Response To climate Change (PlantCliC-2022)	2 days	08.12.2022 & 09.12.2022
14.	Dr. S. Beulah Jerlin	Evaluator of Understanding Ecosystem for Health abd Wellbeing	1 day	10.12.2022
15.	Dr. P. Hermalin	Conference on Recent Progress in Bioprospecting - derived Therapeutic Products	2 days	12.01.2023 to 13.01.2023
16.	Dr. E. Daffodil D Almeida	One Day Orientation Programme for NSS Programme Officers	1 day	31.01.2023
17.	Dr. A. Jacintha Tamil Malar	Seven Days International Faculty Development Online Certificate Course on "MICROSCOPY – AN OVERVIEW (Phase I)"	2 days	03 .02.2023 to 09.02.2023
18.	Dr. G. Flora	International Conference on the Urgency of Sustainable Development: A Bio-Psycho-Social Perspective	2 days	03.02.2023 & 04.02.2023
19.	Dr. E. Daffodil D Almeida	Seven Days International Faculty Development Online " Certificate Course on "MICROSCOPY – AN OVERVIEW (Phase I)"	7 days	03 .02.2023 to 09.02.2023
20.	Dr. F. Dayana Lobo	Seven Days International Faculty Development Online Certificate Course on "MICROSCOPY – AN OVERVIEW (Phase I)"	7 days	03 .02.2023 to 09.02.2023

S.No	Name of Teacher who attended the programme	Title of the programme	Duration	DD-MM-YYYY (from - to)
21.	Ms. S. Pauline Jenifer	International Webinar on Keys to Publish in High Impact Journals	1 day	07.02.2023
22.	Dr. Mary Santhi. R	Three days Faculty Training Programme on Molecular Modelling and Dynamics	3 days	13.02.2023 to 15.02.2023
23.	Dr. B. Maria Sumathi	Three days Faculty Training Programme on Techniques in Genome Biology	3 days	08.02.2023 to 10.02.2023
24.	Dr. F. Dayana Lobo	Three days Faculty Training Programme on Techniques in Genome Biology	3 days	08.02.2023 to 10.02.2023
25.	Ms. S. Pauline Jenifer	Three days Faculty Training Programme on Techniques in Genome Biology	3 days	08.02.2023 to 10.02.2023
26.	Dr. P. Hermalin	Three days Faculty Training Programme on Techniques in Genome Biology	3 days	08.02.2023 to 10.02.2023
27.	Dr. G. Flora	Seven Days International Faculty Development Online Certificate Course on "PROKARYOTES – AN OVERVIEW (Phase I)"	7 days	03 .03.2023 to 09.03.2023
28.	Ms. S. Pauline Jenifer	Conference on "Research Publication: An Integrative and Dynamic Approach"	1 day	19.04.2023
29.	Dr. Mary Santhi. R	Conference on Research Publication an Integrative and Dynamic Approach	1 day	19.04.2023
30.	Dr. F. Dayana Lobo	Environmental Biotechnology by NPTEL Online Certification Course (Funded by the Ministry of HRD, Govt. of India) offered by Indian Institute of Technology, Madras through Swayam Portal	12 weeks	July- October 2022
31.	Dr. A. Jacintha Tamil Malar	Environmental Biotechnology by NPTEL Online Certification Course (Funded by the Ministry of HRD, Govt. of India) offered by Indian Institute of Technology, Madras through Swayam Portal	12 weeks	July- October 2022
32.	Dr. G. Flora	Environmental Biotechnology by NPTEL Online Certification Course (Funded by the Ministry of HRD, Govt. of India) offered by Indian Institute of Technology, Madras through Swayam Portal	12 weeks	July- October 2022
33.	Dr. S. Beulah Jerlin	Environmental Biotechnology by NPTEL Online Certification Course (Funded by the Ministry of HRD, Govt. of India) offered by Indian Institute of Technology, Madras through Swayam Portal	12 weeks	July- October 2022
34.	Dr. S. Beulah Jerlin	Basics of Health Promotion and Education Intervention by NPTEL Online Certification Course (Funded by the Ministry of HRD, Govt. of India) offered by Indian Institute of Technology, Madras through Swayam Portal	8 weeks	July- September 2022
35.	Dr. E. Daffodil D Almeida	Refresher Course on Recent Developments in Botanical Studies, organized by UGC- Human Resource Development Centre, Madurai Kamaraj University UGC- Human Resource Development Centre, Madurai Kamaraj University	15 days	02.11.2022 to 15.11.2022
36.	Dr. G. Flora	Refresher Course on Recent Developments in Botanical Studies, organized by UGC- Human Resource Development Centre, Madurai Kamaraj University UGC- Human Resource Development Centre, Madurai Kamaraj University	15 days	02.11.2022 to 15.11.2022
37.	Dr. S. Beulah Jerlin	Refresher Course in Life Science and Biotechnology organized by UGC HRDC Jawaharlal Nehru University, New Delhi.	20 days	26.09.2022 to 10.10.2022

>>> BOOKS PUBLISHED BY FACULTIES

S.No	Name of the Teacher	Title of the Book published	Title of the Chapter published	Year and month of publication	ISBN of the Book/Conference Proceeding	Name of the Publisher
1	Dr. Sr. A. Arockia Jenecius Alphonse, Dr. G. Amala Jothi Grace & Dr. P. Subavathy	Biochemistry Volume II		July 05	978-93-80430-81-2, 1 - 136	CBA Publishers, Chennai
2.	Maalmarugan.J, Egbert Selvin Rose. A, Anbarasan. P, Poorani. R, Aarthi. N, Ganesan. H, Senthil Kannan. K & Flora. G	Nanovaccinology as Targeted Therapeutics	Biomedical and Electronic Tune-ups of 2C4NA nanocrystalline sample	June 2022	Print ISBN:9781119857341 Online ISBN:9781119858041, 131-139	Scrivener Publishing
3.	Senthil Kannan. K, Pauline Jenifer. S, Divya. R, Raju. K, Gayathri. A, Jemma Hermelin Jesy Diaz, Maria Sumathi. B and Flora. G	Nanovaccinology as Targeted Therapeutics	Biological effect nanotubular, Vanderwall's impact of 4-methyl-2-nitroaniline (4M2NA) nanocrystals	June 2022	Print ISBN:9781119857341 Online ISBN:9781119858041, 243-251	Scrivener Publishing
4.	K. Senthil Kannan, F. Dayana Lobo, A. Gayathri, K. Prathebha, A. Jacintha Tamil Malar, B. Maria Sumathi, G. Flora, & A. Egbert Selwin Rose	Nanovaccinology as Targeted Therapeutics	Nano, Peptide Link, Pharma Impact and Electron Density of AMPHB Macro, Nano Crystalline Samples	June 2022	Print ISBN:9781119857341 Online ISBN:9781119858041, 213-226	Scrivener Publishing

S.No	Name of the Teacher	Title of the Book published	Title of the Chapter published	Year and month of publication	ISBN of the Book/Conference Proceeding	Name of the Publisher
5	S. Pauline Jenifer, G. Flora, C. Zozimus Divya Lobo, A. Charles, K. Senthil Kannan, D. Anbuvel, V. Prajith, Jemma Hermelin Jesy Diaz	Nanovaccinology as Targeted Therapeutics	Device Utility, Energy and Bio utility of N2MNM4MBH Macro Nano Models	June 2022	Print ISBN:9781119857341 Online ISBN:9781119858041 , 169-182	Scivener Publishing
6.	K. Senthil Kannan, Prabhjeet Kaur Dhillon, Jemma Hermelin Jesy Diaz, P. Padmavathi, G. Flora, S. Irudhya Sahaya Lancy, G. Jeeva Rani Thangam, & M. Sheeba	Nanovaccinology as Targeted Therapeutics	Biocurative, Tribological, Electro-Functionalities of ZnO-MIZN Nanoparticles	June 2022	Print ISBN:9781119857341 Online ISBN:9781119858041 , 183-194	Scivener Publishing
7.	Dayana Lobo, F. Senthil Kannan, K. Mathivanan, V. Jacintha Tamil Malar, A. Christy, S. Flora, G. Ganesan, H. & Maalmarugan, J	Nanovaccinology as Targeted Therapeutics	Antidiabetic, Anti-Oxidant, Computational, Filter, and Tribological Characterizations of Bis Glycine Lithium Bromide Monohydrate Nano (32 nm) Scaled Crystals	June 2022	Print ISBN:9781119857341 Online ISBN:9781119858041 , 183-194	Scivener Publishing
8.	Flora, G. Munikumari, A. Sheeba, M. Diaz, Jemma Hermelin Jesy Senthil Kannan, K. Ponrathy, T. Muthu Sheeba, M. & Joshua Steve Abishek, B	Nanovaccinology as Targeted Therapeutics	Nanotubular Device Effect, Super Cell Effectiveness, Hirshfeld Energy Analysis and Biomedical Efficacy of 2-Fluoro-5-Nitro-Aniline (2F5NA) Crystals	June 2022	Print ISBN:9781119857341 Online ISBN:9781119858041 , 195-212	Scivener Publishing

S.No	Name of the Teacher	Title of the Book published	Title of the Chapter published	Year and month of publication	ISBN of the Book/Conference Proceeding	Name of the Publisher
9.	G. Flora, S. Christy, V. Shobana, R. Divya, Jemma Hermelin Jesy Diaz, S. Pauline Jenifer, K. Senthil Kannan & A. Jacintha Tamil Malar	Nanovaccinology as Targeted Therapeutics	Super Lattice, Computational Interactions and Bio-Uses of CPDMDP Crystals	June 2022	Print ISBN:9781119857341 Online ISBN:9781119858041 , 227-242	Scrivener Publishing
10.	B. Maria Sumathi, J. Maalmarugan, H. Ganesan, P. Saravanan, R.P. Patel, M. Sheeba, G. Flora & K. Senthil Kannan	Nanovaccinology as Targeted Therapeutics	Biological, Electronic-Filter, Influx and Theoretical Practicalities of 2-Chloro-6-Nitroaniline (2C6NA) Crystals for Biomedical and Microelectronics Tasks	June 2022	Print ISBN:9781119857341 Online ISBN:9781119858041 , 145-156	Scrivener Publishing
11.	G. Flora, H. Ganesan, J. Maalmarugan, A. Egbert Selwin Rose, F. Dayana Lobo, R. Divya, K. Senthil Kannan & M. Sheeba	Nanovaccinology as Targeted Therapeutics	Biomedical, Tribological, and Electronic Functionalities of Silver Nanoparticles	June 2022	Print ISBN:9781119857341 Online ISBN:9781119858041 , 257-266	Scrivener Publishing

>>> CHAPTERS PUBLISHED BY FACULTIES

S.No.	Name of the Teacher	Title of the Chapter published	Title of the proceedings of the conference	Name of the conference	Year and month of publication	ISBN of the Book/Conference Proceeding	Name of the Publisher
1	Ms. Pauline Jenifer. S, Dr. Beulah Jerlin. S	Antibacterial and antioxidant activity of selected plants used in the treatment of Urolithiasis	Proceeding of International Seminar on Plant Response to Climate Change (PlantCliC-2022)	International Seminar on Plant Response to Climate Change (PlantCliC-2022)	Dec-22	ISBN978-81-956678-1-9, 100-110	i-manager publications, Nagercoil
2.	Dr. Mary Santhi. R	Biofilm Reduction Assay by Semi Purified Fraction of <i>Hypnea musciformis</i> against <i>Candida albicans</i>	Proceeding of International Seminar on Plant Response to Climate Change (PlantCliC-2022)	International Seminar on Plant Response to Climate Change (PlantCliC-2022)	Dec-22	ISBN978-81-956678-1-9, 140-147	i-manager publications, Nagercoil

>>> RESEARCH CENTER

Research centre Renewal Date : 05.08.2022

New Scholar Registered

S.No.	Name of the Scholar with Reg. No.	Date of Commencement	Topic	Name of the Supervisor
1.	C. Eruthaya Abisha	08.05.2023	Proximate composition and pharmacognostical evaluation of the unique potential of medicinal halophytes pearl fishery coast, Thoothukudi, Tamil Nadu	Dr. S. Beulah Jerlin

DC Meeting conducted

The second DC meeting for the candidate, Ms. M. Santha (Reg. No. 19222212272018), Part-Time, was conducted in the Audio-Visual Room on 14.06.2022. Dr. Sr. Arockia Jenecius Alphonse was the guide. Dr. G. Flora, Assistant Professor of Botany at St. Mary's College (Autonomous), Thoothukudi, and Dr. D. Abiya Chelliah, Assistant Professor of Botany at St. John's College, Palayamkottai, Tirunelveli, were the DC members.

CDP REPORT <<<

Venue: Servaikaranmadam

13.08.2022

**AWARENESS PROGRAMME ON
“NATIONAL FLAG HOISTING”
NO. OF BENEFICIARIES: 50**



15.08.2022

**THE GRAMA SABHA MEETING
NO. OF BENEFICIARIES:180**



26.01.2023

**PREPARATION OF HOME MADE
ORGANIC PLANT GROWTH HORMONES
NO. OF BENEFICIARIES:41**



26.01.2023

**THE GRAMA SABHA MEETING
NO. OF BENEFICIARIES:250**





EDUCATIONAL TOUR /IV REPORT - FIELD TRIP TO AAVIN MILK FACTORY, TIRUNELVELI

The Department of Botany organized a one-day field trip to the Aavin milk factory, in Tirunelveli for the II UG NME students as a part of their curricular activity on 09th February, 2023. The trip started on 09th February, at 8:00 am and we reached the Aavin milk factory at 9.30 am. On the way, finally we visited the district science centre there we saw four galleries on the topics 'Fun Science', 'Popular Science', 'Electronics' and a 'New Wing of Electronics'. The Centre also has a 3D Theatre, Television Studio and Pre-historic Park. The Mirror Magic Corner is an added attraction of the Centre. 35 students and 2 staff members (Dr. B. Maria Sumathi and Ms. Pauline Jenifer) benefitted through this field trip.



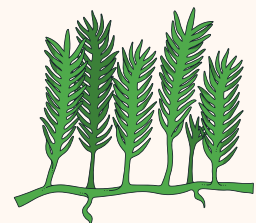
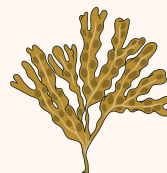
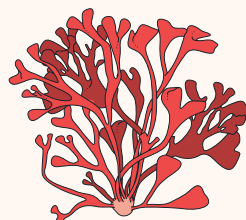
➤➤➤ FIELD TRIP TO COASTLINE ECOLOGY



The Department of Botany organized a one day field trip to Punnakayal, Amalinaga, Manapad, SokkanKudierappu and Uvari for the III UG students as a part of their curricular activity on 04thFebruary, 2023. The trip started on 04thFebruary, at 8:00am and we reached Punnakayal estuary and witnessed mangroves and salt marshes. Then we reached Amalainagar to observe sandy shore and then we went to Manapad to see rocky and muddy shore. We took lunch in Manapad and proceeded to SokkanKudierappu to have a glance at sandy shore. Finally, we visited Uvari there we observed the muddy shore and sea weeds like Caulerpa sp, Padina sp Sargassum sp. 36 students and 2 staff members (Dr.S. Beulah Jerlin and Dr. F. Dayana Lobo) were benefitted through this field trip.

FIELD STUDY TO IDINTHAKARAI COAST <<<

Field study to Idinthakarai coast by 36 students from I B.Sc. Botany and 16 students from I M.Sc. Botany were accompanied by faculties Dr. M. Glory, Dr. J. Jacintha Tamil Malar, Dr. G. Flora for the collection of algal samples. Reached the collection site (Idinthakarai Coast) early morning during low tide and students collected various algal samples belonging to Chlorophyceae, Phaeophyceae and Rhodophyceae.



Department Activities

Competition on Plant's Scientific Epithet



IN COMMEMORATION OF NATIONAL SCIENCE DAY ON 28TH FEBRUARY 2023 COMPETITION ON PLANT'S SCIENTIFIC EPITHET WAS ORGANIZED BY DR. JACINTHA TAMIL MALAR, ASSISTANT PROFESSOR OF BOTANY AND DR. DAYANA LOBO, ASSISTANT PROFESSOR OF BOTANY FOR UG AND PG BOTANY STUDENTS. TWENTY FIVE PLANTS WERE SELECTED FROM THE LIST OF 110 PLANTS WHICH HAVE KEPT FOR LEARNING BINOMIAL EVERYDAY AS "THINAMUM ORU PLANT". A TOTAL OF 103 STUDENTS PARTICIPATED, LAVANYA. G, II M.SC. BOTANY AND SATHEESWARI. P, III B.SC. BOTANY WON THE PRIZES.

Invited Lecture on Plant Physiology

An invited lecture on Plant Physiology was organized for the III UG Botany students, by the Marian Star Centre, Department of Botany, St. Mary's college (Autonomous) Thoothukudi, sponsored by Department of Biotechnology, Star College Programme, New Delhi on 17th February, 2023. Dr. Beschi Antony Rayan, Associate Professor, Department of Botany, St. Xavier's College (Autonomous), Palayamkottai was the resource person. 36 students were benefitted through this programme.



HANDS ON TRAINING ON PREPARATION OF ORGANIC WEEDICIDES, FUNGICIDES AND PLANT GROWING STRUCTURES

The Marian Star Centre, Department of Botany has organized the hands-on training on preparation of organic weedicides, fungicides and plant growing structures, sponsored by Department of Biotechnology, Star College Programme, New Delhi on February 7th 2023 in the Botany Lab for the II UG students of Botany. Dr. Y. Rajakumar, Former Deputy Director of Horticulture, Govt. of Tamil Nadu, Thoothukudi was the resource person. Total of 15 students were benefitted from the training program



HANDS ON TRAINING PROGRAMME ON BAKING



The Marian Star Centre, Department of Botany has organized the “Hands-on training programme on Baking” sponsored by the Department of Biotechnology, Star College Programme, New Delhi on 6th February 2023 in the Botany Laboratory for the II UG NME students of Botany. Ms. Karolin, Head and Assistant professor, Department of Food Science and Nutrition, Holy Cross Home Science College, Thoothukudi was the resource person. 36 students benefitted from this training program.



INVITED LECTURE ON LANGUAGE SKILL ENHANCEMENT



The Marian Star Centre, Department of Botany has organized the guest lecture on Language Skill Enhancement, sponsored by Department of Biotechnology, Star College Programme, New Delhi on February 3rd 2023 in the Botany Lecture Hall for the I UG students of Botany. Dr. Sudha Rani. S, Assistant Professor of English, St. Mary's College (Autonomous) was the resource person. Total of 36 students were benefitted from the lecture session.

HANDS ON TRAINING ON MICROTOME

The Marian Star Centre, Department of Botany has organized the hands on training on Microtome, sponsored by Department of Biotechnology, Star College Programme, New Delhi on 1st and 2nd February 2023 in the Botany Laboratory for the I UG students of Botany Department. Mr. R. Vasanthakumar, Research Scholar, Department of Biotechnology, Manonmaniam Sundaranar University, Tirunelveli was the resource person. 33 students were benefitted through this programme.



IN-HOUSE TRAINING PROGRAMME ON TAXONOMY OF ANGIOSPERMS AND HERBARIUM TECHNIQUES

An internal training programme on Taxonomy of Angiosperms and herbarium techniques offered by the Marian Star Centre, Department of Botany, sponsored by the Department of Biotechnology under the Star College Program in New Delhi was conducted on December 21, 2022, in the Botany Laboratory. This programme was directed by Dr. F. Dayana Lobo, Assistant Professor of Botany at St. Mary's College (Autonomous). In her introductory speech, Dr. F. Dayana Lobo discussed about plant taxonomy. 38 students from the II B. Sc. Zoology department collected 108 different plants from the college campus, scanned them, and then preserved them for the herbarium. Using Gamble's Flora of Presidency of Madras, the plants were identified. Through this initiative, 38 students were benefitted.

IN-HOUSE TRAINING PROGRAMME ON FOOD PROCESSING TECHNOLOGY

The Marian Star Centre, Department of Botany has organized the in-house training programme on Food Processing Technology, sponsored by Department of Biotechnology, Star College Programme, New Delhi from 21st to 22nd December 2022 in the Botany Laboratory for the II UG NME students of Botany. Dr. G. Flora, Assistant Professor of Botany and Dr. Maria Sumathi, Assistant Professor of Botany, St. Mary's College (Autonomous) were the resource persons. 38 students were benefitted by this training.

In - house Training Programme on Molecular Biology and Bioinformatics

Three days in-house training programme on Molecular Biology and Bioinformatics was organized for the III UG Botany students, by the Marian Star Center, Department of Botany, St. Mary's college (Autonomous) Thoothukudi, sponsored by Department of Biotechnology, Star College Programme, New Delhi from 20th to 22nd December, 2022 in the botany lab. Ms. S. Pauline Jenifer and Dr. P. Hermalin were the resource persons. 35 students actively participated in the hands-on training programme and got benefitted. We accomplished the task fruitfully.



IN-HOUSE TRAINING PROGRAMME ON ORGANIC FARMING



The Marian Star Centre, Department of Botany has organized the in-house training programme on Organic farming, sponsored by Department of Biotechnology, Star College Programme, New Delhi from 19th to 21st December 2022 in the Botany Laboratory for the II UG students of Botany. Dr. Beulah Jerlin. S, Assistant Professor of Botany and Dr. Mary Santhi. R, Assistant Professor of Botany, St. Mary's College (Autonomous) were the resource persons. Total of 15 students were benefitted from the training program.

In-house training programme on Microtechniques

The Marian Star Centre, Department of Botany has organized the in-house training programme on Microtechniques, sponsored by Department of Biotechnology, Star College Programme, New Delhi on 19th and 20th December 2022 in the Botany Laboratory for the I UG students of Botany Department. Dr. E. Daffodil D Almeida, Assistant Professor of Botany, Dr. F. Dayana Lobo, Assistant Professor of Botany, St. Mary's College (Autonomous) were the resource persons. 34 students were benefitted through this programme.



WORLD FOOD DAY CELEBRATION UNDER CAUSSANEL SCIENCE CLUB



Integrated educational Partnership between St. Mary's College (Autonomous), Thoothukudi and St. Francis Xavier Higher Secondary School, Thoothukudi, commemorated World Food Day on 17th October 2022 under Caussanel Science Club organized by PG and Research Department of Botany, initiated by DBT Star Scheme, St. Mary's College(Autonomous). 35 students were benefitted through this programme



INVITED LECTURE ON PLATE TECTONICS AND CONTINENTAL DRIFTS

NATIONAL WEBINAR ON “RECENT

TRENDS IN MICROBIAL TECHNOLOGY”



The Marian Star Centre, Department of Botany organized an invited lecture on Plate Tectonics and Continental Drifts sponsored by DBT, Star College Programme, New Delhi for the UG students on 9th September 2022. Dr. S. Selvam, Assistant Professor in Geology, V.O. Chidambaram College, Thoothukudi was the resource person. 90 students from the department of Botany were benefitted through this invited lecture.



An one day national webinar on “Recent Trends in Microbial Technology” was organized by the Marine star centre, PG and Research Department of Botany, St. Mary’s College (Autonomous), Thoothukudi and sponsored by the DBT – Star college scheme, New Delhi on 8th September 2022,



The keynote address was given by Dr. Ravichandran. P, Professor & Head Department of Plant Science, Manonmaniam Sundaranar University, Tirunelveli on the topic “Interaction of Endophytic micorrhizae among grass roots.” The first session of the webinar started with the introduction of the resource person. Dr. T.C.K. Sugitha, Assistant Professor (Senior scale), School of Agriculture and Biosciences, Karunya Institute of Technology and Sciences, Coimbatore was the resource person. The second session was handled by Dr. T. Jebasingh, Assistant Professor, School of Biological Sciences, Madurai Kamaraj University, Madurai. Nearly 93 participants from various colleges all over the country attended the programme.





STUDENT ACTIVITIES

MOOC EXAM

2022 – 2023

Year	Class	Course Name	No. of students appeared	No. of students Passed
2022-2023	II PG	Functional Foods and Nutraceuticals	4	4
	I PG	Food Microbiology and Food Safety	6	3
	III UG	Environmental Biotechnology	16	16

Mr. Uday
 THE HEAD, DEPARTMENT OF BIOTECHNOLOGY
 St. Mary's College, Tuticorin



8 students from III UG, 3 from I PG, and 2 students from II PG achieved elite positions in their online MOOC courses.

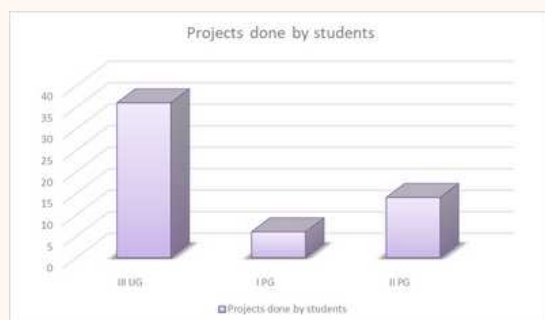
Result Analysis

Batch	No. of Students appeared	No. of Students passed	Pass percentage
III UG	36	33	91.66
II PG	12	12	100

>>> HIGHER EDUCATION

Sl.No	Name of student enrolled for higher education	Programme completed	Name of institution joined	Name of programme admitted to
1	Abinaya. S	UG Botany	St. Mary's College, Thoothukudi	M.Sc.
2	Antony Abinaya. J	UG Botany	V.O.C College, Thoothukudi.	M.Sc.
3	Anushya. M	UG Botany	V.O.C College, Thoothukudi.	M.Sc.
4	Archana. M	UG Botany	V.O.C College, Thoothukudi.	M.Sc.
5	Emibai. D	UG Botany	St. Mary's College, Thoothukudi	M.Sc.
6	Emily. J	UG Botany	St. Joseph's College of Education, Tenkasi	B.Ed.
7	Pathiram. A	UG Botany	St. Mary's College, Thoothukudi	M.Sc.
8	Raja Rohini. M	UG Botany	St. Mary's College, Thoothukudi	M.Sc.
9	Satheeswari. P	UG Botany	Mohamed Sathak Dasthgir Teacher Trraining College, Ramanathapuram	B.Ed.
10	Sindhuja. V	UG Botany	V.O.C College of Education, Thoothukudi	B.Ed.
11	Violet Sarojini. N	UG Botany	St. Mary's College, Thoothukudi	M.Sc.

STUDENTS PROJECTS



36 III UG students, 6 I PG students, and 14 II PG students successfully completed their projects

PLACEMENT

SI.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	Anjana Devi. R	UG Botany	Customer care Executive, Thisaynvilai	18,000
2	Kavitha. B	UG Botany	Foxconn Company, Sriperumbudhur, Chennai	20,000
3	Maria Ajila. C	UG Botany	Foxconn Company, Sriperumbudhur, Chennai	20,000
4	Monisha. J	UG Botany	Foxconn Company, Sriperumbudhur, Chennai	20,000
5	Muthumari sathya. M	UG Botany	Foxconn Company, Sriperumbudhur, Chennai	20,000
6	Kabidevi Sri. K	UG Botany	Sales Officer, Gold Loan, IDFC First Bharat	15,500
7	Anitha. S	UG Botany	Relationship Manager, Business Loan, IDFC First Bharat	15,500
8	Anitha Nancy Mary. J	PG Botany	Teacher, Victoria CBSE School, Thoothukudi	8,000
9	Dharshini. M	PG Botany	Trainer Livewire Placement and Training Institute, Shanmugapuram, Thoothukudi	10,000
10	Loorthumini. S	PG Botany	Assistant Professor, Nazareth Margoschis college at Pillaiyanmanai.	12,000
11	Snowba serapine	PG Botany	Teacher, Victoria CBSE School, Thoothukudi	8000