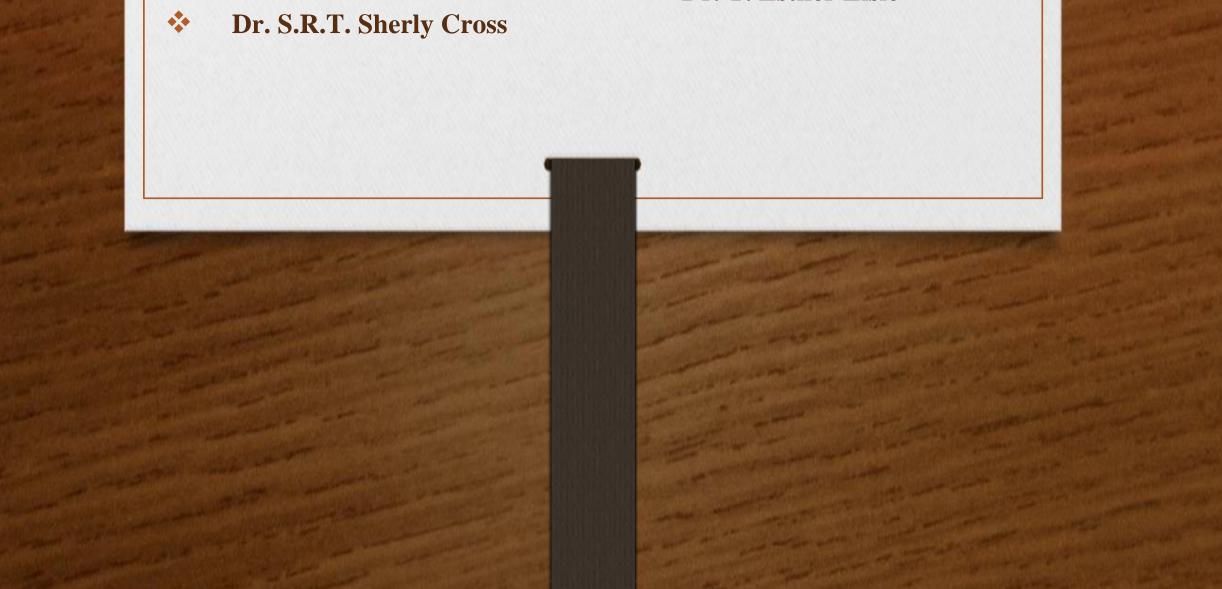
DEPARTMENT OF ZOOLOGY



Editorial Team

- Dr. N. Arokiya Mary
- Dr. P. J. Joslin
- Dr. S. Mary Baptista Janet
- Dr. Sr. C. Shibana
- Dr. Jemma Hermelin Jesy Diaz

- Dr. S. Selvi
- Dr. R. Sri Priya
- ***** Dr. M. Paripooranaselvi
- Dr. P. Subavathy
- Dr. J. Shoba
- **&** Dr. T. Esther Elsie



From HOD's desk

Warm greetings to all!

It gives me immense pleasure and great privilege to bring out the newsletter for the academic year 2022-2023. This offers a glimpse of the plethora of activities and achievements and mirrors the vision and mission of the department.



Our educational philosophy goes beyond the confines of the classroom, embracing the practical knowledge acquisition through instilling hands-on laboratory experiences, industrial interaction and insightful field studies. All the programs are kept in tune with the latest trends in life science bridging the gap between theoretical knowledge and its real world application. Publication of the proceedings of the national conference with ISBN number is an important milestone which builds a stronger and bigger foundation for collaboration and innovation in research.

I extend congratulations to the faculty members for the effective role played by them with a sense of belongingness and unwavering commitment in reimagining the education with a scientific approach and extensive research to pursue academic excellence. I applaud the students for their earnest attempts to acquire holistic development with curiosity and inspiration.

I express my deep sense of gratitude to the administrators, Dr.Sr.Shibana Secretary and Dr.Sr. Lucia Rose, Principal for their guidance. My heartfelt thanks to Dr.Sr.Jenocius Alphonse, Member Secretary and overall coordinator of the DBT STAR College Scheme for her support.

I wish the department to scale even greater heights in the years to come and serve the society through motivation and empowerment of students with a lifelong passion for exploration, inquiry and discovery.

Happy reading!

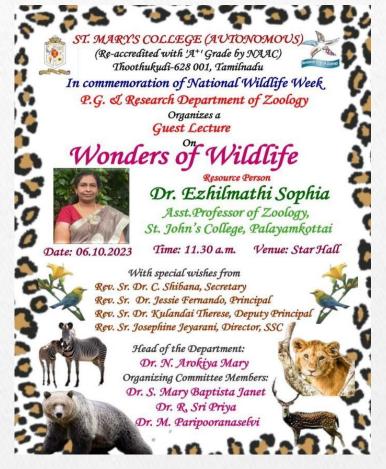
With kind regards Dr.N.Arokiya Mary

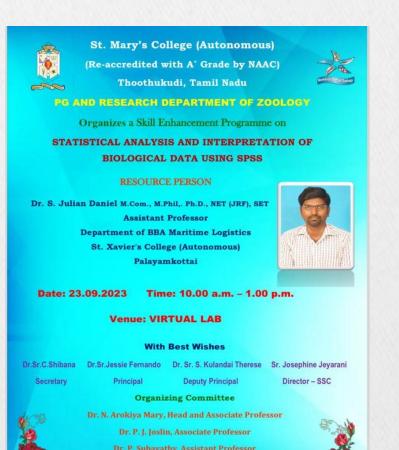
PROGRAMS ORGANISED

Guest lecture on 'Wonders of Wild life'

A Guest lecture on the topic 'Wonders of Wild life' in commemoration of National Wildlife Week was organised by the Department of Zoology on 06.10.23 in the Star Hall. Dr. Ezhilmathi Sophia, Asst. Professor of Zoology, St. John's College, Palayamkottai was the resource person. 140 participants got benefitted by the lecture.

Skill Enhancement Programme " Statistical Analysis And Interpretation Of Biological Data Using SPSS" A Skill Enhancement Programme On Statistical Analysis And Interpretation Of Biological Data Using SPSS Was Organised On 23-09.23. Dr. S. Julian Daniel, Assistant Professor, Department Of BBA Maritime Logistics, St. Xavier's College, Palayamkottai Served As The Resource Person. 45





Students Were Benefitted Out Of This Programme



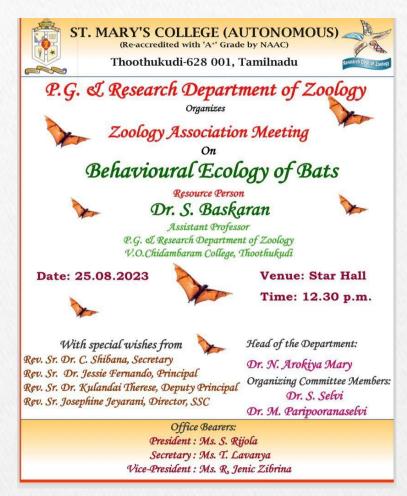


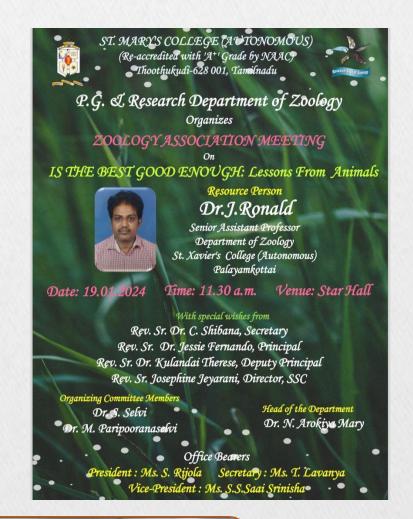
ASSOCIATION MEETINGS

An Association meeting on "Behavioural Ecology of Bats" was organized on 25.08.2023. Dr. S.
Baskaran, Assistant Professor, P.G. & Research Department of Zoology, V.O.Chidambaram
College, Thoothukudi was the resource person.
122 students from our department participated in the meeting.

An Association meeting was scheduled with the theme 'Is The Best Good Enough: Lessons From Animals' on 19.01.2024. Dr.J.Ronald, Senior Assistant Professor, Department of Zoology,

St. Xavier's College (Autonomous), Palayamkottai was the resource person. 122 students from our department participated in





the meeting.



25.08.2023





Three Days Faculty Development Programme On " Exploring Biotechnology: Innovative Applications and Advancements "

A faculty Development program "Exploring Biotechnology: Innovative Applications and Advancements" was conducted by the Marian Star Centre, St. Mary's College and PG and **Research Department of Zoology, St. Mary's College from**

14.2.24 to 16.02.24.

- Dr. S. Kalidas, Associate Professor and Head, Department of Animal Science, Manonmaniam Sundaranar University, Tirunelveli was the resource person for the first technical session. He gave a lecture on the topic Bio-prospecting Mannar Marine Gulf of Microbes for Human Therapeutics.
- Dr.K.Murugan, Professor, Department of Biotechnology, Manonmaniam Sundaranar University, Tirunelveli was the resource person for the session I of the second day. He gave a lecture on the topic "Bionanoemulsion: Vehicle for Exploring Synergistic Phytochemicals and Healthy Life".
- * The second session was handled by Dr. Ramasamy Subbiah, Professor and Head, Cardiac Metabolic Disease & RNA Laboratory, Department of Biochemistry, School of Madurai Kamaraj University, **Biological Sciences**, Madurai. He discussed on the topic 'Chemicals and







Diabetes inextricably linked: Tox-Point Research enters a new Eras'

* Dr. D. Illakkiam, Assistant Professor , Department of Biotechnology, Mother Teresa Women's University, Kodaikanal was the resource person for the last day of the FDP. She gave a lecture on the topic 'In silico approach for characterization of gene and its expression studies'.

* 27 participants registered for the program and got benefited.





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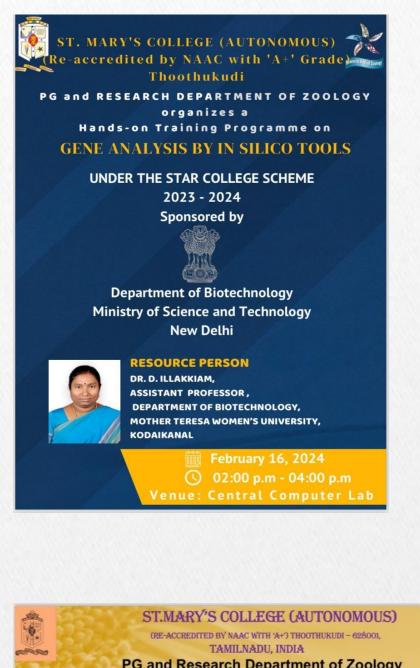


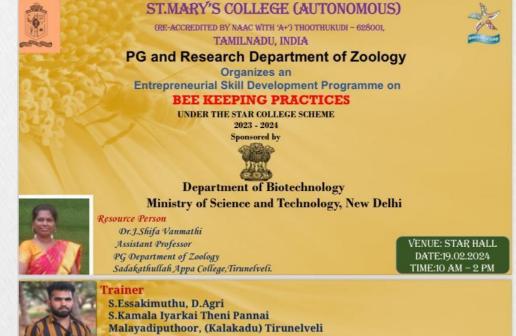
Hands-on Training Programme "Gene Analysis By In-silico Tools"

A Hands-on training on 'Gene Analysis by In-Silico Tools" was organized on 16.02.2024. Dr.D.Illakkiam, Assistant Professor, Department of Biotechnology, Mother Teresa Women's University, Kodaikanal, trained the students on various bioinformatic computational tools in the recent trend for sequence analysis. 60 students participated and benefitted out through this hands on training.

> Entrepreneurial Skill Development Programme "Bee Keeping Practices"

A Entrepreneurial Skill Development Programme on "Bee Keeping Practices" was organized on 19.02.2024. Dr.J.Shifa Vanmathi, Assistant Professor, PG Department of Zoology, Sadakathullah Appa College,Tirunelveli., delivered the lecture on various advantages of Bee Keeping Practices. After the lecture, technical demonstration was given by S.Essakimuthu, D.Agri, trainer on various essential aspects of Bee keeping. 80students participated and benefitted out through this hands on training.







16.02.2024



An Entrepreneurship Training Programme Vermicomposting Technology

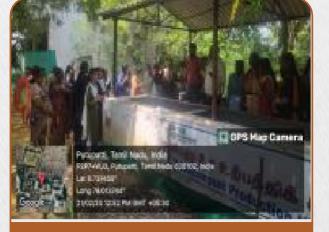
An Entrepreneurship Training Programme on Vermicomposting Technology was organized for the I **B.Sc. Zoology students by the PG and Research** Department of Zoology in collaboration with ICAR -SCAD Krishi Vigyan Kendra Vagaikulam, Thoothukudi on 21.02.2024. Dr.V.Palanichamy, Ph.D., Senior Scientist and Head, ICAR SCAD Krishi Vigyan Kendra, Vagaikulam, Thoothukudi served as resource person and Mr. Murugan SMS (Ag) was the master trainer. A complete theory and practical training on how to prepare vermicompost were given to 40 students and they got benefitted through it.











Training on

International Seminar

"Therapeutic Significance of Marine Organisms: A Scientifc

Insight Through Tamil Literature"

On 27th February 2024 an International Seminar on "Therapeutic Significance of Marine Organisms: A Scientific Insight" through Tamil Literature was organized by Department of Tamil and PG and Research Department of Zoology in collaboration with International Association of Tamil Research, Malaysia through Virtual mode.

 Dr. S. Sivapalan, Head, Department of Indian Studies, University of Malaya, Kuala Lumpur, Malaysia and Tan Sri. Prof. Dr. T.
 Marimuthu, International Association of Tamil Research, President, Malaysia delivered the inaugural and keynote address.

- * Tan Sri Prof. Dr.T.Marimuthu highlighted the MoU and collaboration between IATR and our institution.
- Dr. A. Hepsy Rose Mary, Associate Professor, Department of Tamil, University of Kerala, Kariavattom, Trivandrum delivered a lecture on the Importance of Fishes in Tamil Literature.

 Dr. M. Bala Tharmalingam, Principal Medical Director (Retd.), Traditional and Complementary Medicine Division, Ministry of Health Malaysia, Professor of Indic Studies and Head of Malaysian

Faculty, Yoga University of Americas, USA elaborated the importance of marine invertebrates and its application in the field of medicine.

 Around 280 students and faculty members were benefitted out through this International Seminar. Students from the University of Malaya, Kuala Lumpur, Malaysia also participated in the seminar



St. Mary's College (Autonomous) (Re-accredited with A⁺ Grade by NAAC) Thoothukudi – 628001 **Tamil Nadu** INTERNATIONAL SEMINAR ON THERAPEUTIC SIGNIFICANCE OF MARINE ORGANISMS: A SCIENTIFIC **INSIGHT THROUGH TAMIL LITERATURE** Organized by **Department of Tamil and PG and Research Department of Zoology** St. Mary's College (Autonomous), Thoothukudi in collaboration with International Association of Tamil Research, Malaysia through Virtual Mode Date: 27.02.2024 Venue: Conference Hall Time: 9.30 a.m. - 4.00 p.m. About the College:

St. Mary's college (Autonomous), a catholic institution of higher education for women founded in 1948, plays a significant role in shaping the destiny of innumerable young coastal women in and around Thoothukudi. It enjoys a rich academic and spiritual heritage of 75 years and has been excelled in every discipline, keeping pace with the global trends in academia. The college, affiliated to Manonmaniam Sundaranar University, Tirunelveli, offers graduate, post-

Keynote Address

LATR Pro

Tan Sri. Prof. Dr. T. Mari



Inaugural Address

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Head, Depart

Dr. S. Sivapalan a/l Govindas

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Technical Session II



via the Zoom platform.









International Association of Tamil Research, Malaysia



Importance of Fishes in Tamil Literature

National Seminar

Marine resources: Conservation and sustainable Utilization Strategies

A National Seminar on "Marine resources: Conservation and sustainable utilization strategies" was organized under the DBT Star College Scheme on March 6th 2024.

- * Dr. P.S Asha Principal scientist and Scientist in charge, Central Marine Fisheries Research Institute, Tuticorin, delivered the key note address.
- * Dr. Riyas, Assistant Professor, Department of Aquaculture and Fishery Microbiology, MES Ponnani College, Ponani, Kerala delivered a talk on "Jellyfish of India : Unveiling the **Mysteries and Facts".**
- Dr. U. Ramesh, Assistant Professor and Head, Department of Molecular biology, School of Biological Sciences, Madurai Kamaraj University addressed on "Waste into Value Added **Product : Chitosan from Marine Sources and its Application**".
- Dr.K. Jeyakumar, Associate Professor and Head, Department of Animal Behaviour and Physiology, School of Biological Sciences, Madurai Kamaraj University delivered his lecture on "Climate Change Impacts on Coral Reefs".
- * Dr. R. Durai Raj Assistant professor, Department of Fisheries Biology and Resource management, Fisheries college and Research Institute Thoothukudi delivered the valedictory address.
- \Rightarrow 126 UG and PG students and 11 research scholars participated in the seminar and gained knowledge on the marine resources and its conservation.



Time : 3.00 pm - 4.00 pm Valedictory Address





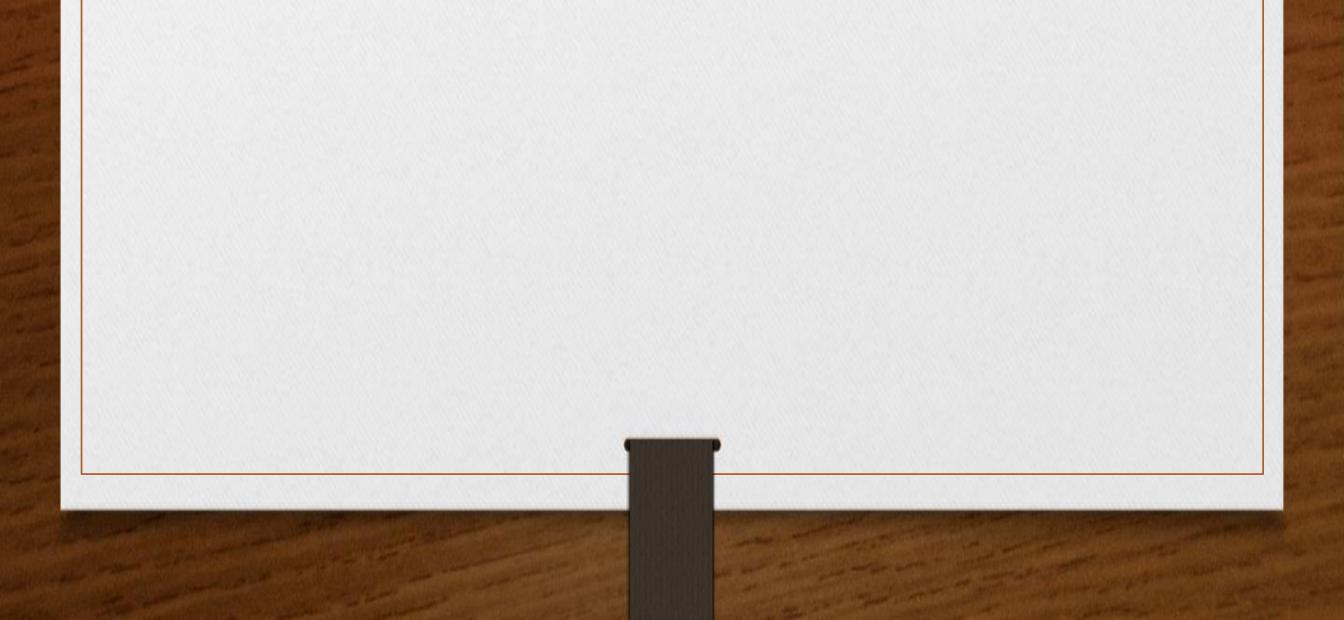
Dr. R. Durairaja, Assistant Professor Department of Fisheries Biology and Resource Management. Fisheries College and Research Institute Thoothukudi

Madurai Kamaraj University, Madurai-2



BRIDGE COURSES

The Department of English conducted bridge courses for first-year B.Sc. Zoology students to enhance their speaking abilities and communication skills. The course started with foundational grammar and vocabulary, moving towards more advanced aspects like fluency, pronunciation, and articulation. It emphasized group discussions, debates, and role-playing to help students practice reallife scenarios, thereby boosting their confidence in communicating with peers and teachers



LAB ACTIVITIES

The department has conducted 151 lab activities, offering students hands-on experience in experimental zoology. These activities have not only sharpened their practical skills but also instilled in them a spirit of scientific inquiry and exploration.

MENTOR-MENTEE SYSTEM

The Mentor-Mentee System has been a resounding success, with 40, 41 and 38 UG students of I, II, and III years and 10

and 12 PG students of I and II years respectively and benefiting from the guidance and support of experienced faculty members. This initiative has created a nurturing environment that brings up academic growth, creativity, and innovation.



The department has offered a certificate course on Ornamental Fish Management for II-year students and career-oriented course on Quantitative Aptitude and Numerical Ability for III-year students, with 39 and 31 students enrolled respectively. These courses have provided students with specialised knowledge and skills, thereby enhancing their academic and professional prospects.

STUDENTS ENROLLED

The Zoology Department welcomed its new batch of students, comprising 47 aspiring undergraduates in the B.Sc. program and 9 postaraduate scholars in the M.Sc. program. marking a successful

start to the academic year





BOARD OF STUDIES

The Board of Studies meeting, held on 24.04.2023, was attended by 5 external experts Dr.M.TamilSelvi, Dr.E.Joy Sharmila, Ms.S.Rajeswari, Mr. P.Esakkiappan and Dr.P.Rosalind Daisy Rani. The meeting ensured that the curriculum, teaching methodologies, and assessment practices stay current, relevant and of high quality. All academic programmes are delivered through the Outcome Based Education (OBE), offering students flexibility to tailor their learning experiences, develop critical skills. and achieve specific competencies aligned with industry

standards and global benchmarks.

PTA MEETING

The Parent-Teacher Association meeting, held on 22.01.2024 and 16.02.2024 for the students of II, and III years respectively has provided a platform for parents to engage with the department, share experiences, and forge meaningful connections.

ALUMNAE MEET

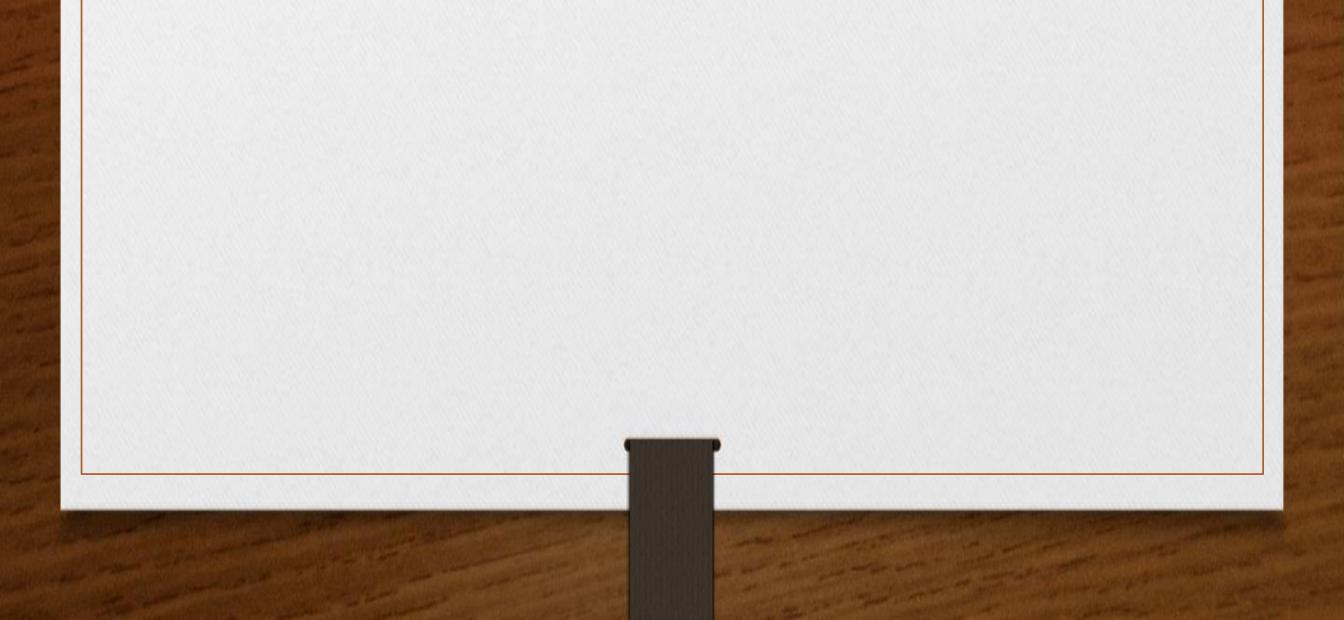
The Alumnae Meet, held on 13.04.2024, provided a platform for alumni to reconnect with the department, share their experiences, and forge meaningful connections with current students and faculty

members.

APPOINTMENT OF NEW FACULTY



Dr. Shoba joined the Department of Zoology as Assistant Professor on November 23, 2023, bringing valuable expertise to strengthen the department's academic team. Her appointment enhances the department's expertise in Nematology and contributes to both teaching and research activities.



PAPER PUBLICATION

Dr.M.Paripooranaselvi



Biosynthesis, Characterization and Corrosion Inhibitory
 Efficiency of Silver Nanoparticles Using Ascidians. 2023.
 European Chemical Bulletin. Vol 12: 10451-10461

Dr. P. Subavathy



 Biogenic synthesis, characterization and applications of Tellurium nanoparticles from *Chicoreus virgineus* (Roding, 1798). 2023. Journal of Current Science and Technology.

Vol 13: 237-250.

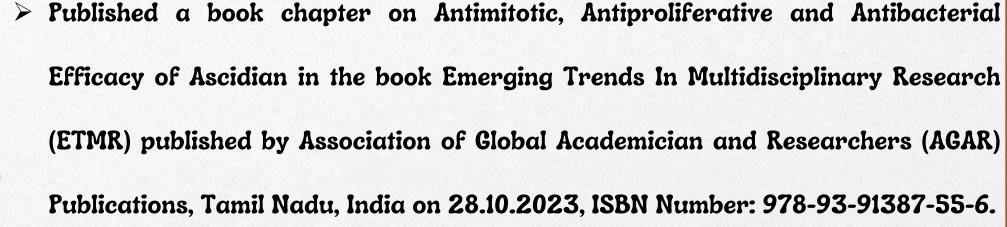
Prospective Anticancer Efficacy of Bioactive Compounds from

Chicoreus ramosus (Linnaeus, 1758). 2023. Asian Journal of

Biological and Life Sciences. Vol 12: 402-407.

CHAPTER PUBLICATION

Dr. M. Paripooranaselvi



Dr. P. Subavathy

- > Published a book chapter on A Review of the Fabrication of Metal Nanoparticles using Algae in the book Algal, Fungal and Microbial Research published by Genic Books Publishers Pvt. Ltd, Uttar Pradesh on October 2023, ISBN Number: 978-81-966376-3-7.
 - Published a book chapter on Biofuels: A Review on Emerging Trends and Applications in the book Futuristic Trends in Biotechnology – Volume 3 published





by IIP Series, Karnataka on April 2024, ISBN Number: 978-93-6252-925-1.

> Published a book chapter on Tissue Engineering: Current Status, Challenges and

Applications in the book Futuristic Trends in Biotechnology – Volume 3 published

by IIP Series, Karnataka on April 2024, ISBN Number: 978-93-6252-925-1.

STAFF PARTICIPATION

Dr. P. J. Joslin



- Served as the Subject Expert in Board of Studies, Fatima College (Autonomous), Madurai on 13-Mar-2024.
- Served as the Subject Expert nominated by VC of MS University to act as a member of selection Committee for the appointment of Assistant Professors, S.T. Hindu College, Nagercoil on 20-Mar-2024.
- Served as a member of CAS Evaluation Committee, Kamaraj College, Thoothukudi on 02.05.2024
- > Dr. S. Mary Baptista Janet
- \succ Served as a member of CAS Evaluation Committee, Kamaraj College, Thoothukudi on 02.05.2024
- > Served as the member of board of studies, M.S. University, Tirunelveli



Dr. S. Selvi

- > Served as the resource person for Path towards successful life, Sri Peththanakshmi Amman Community College, Melmanthai on 20-Sep-2023.
- > Served as the resource person for Science for all, Tamil Nadu State Council for Science and Technology and Thevanesam Erudhaya Ammal Polytechnic Collee, Vembar on 06-Oct-2023.

Dr. S. Selvi, Dr. R. Sri Priya and Dr. M.Paripooranaselvi > Inservice Training Programme for Science Teachers, Tamil Nadu State Council for Science and Technology – Chennai and St.Mary's College (Autonomous), Thoothukudi from 29 -Jan -2024 to 02 -Jan - 2024.

CHAPTER PUBLICATION

Dr. P. J. Joslin

 Published a book chapter on Biosensors in the book Advances in Biotechnology and Molecular Biology published by Weser Books Germany on June 2023, ISBN Number: 978-3-96492-471-1.

Published a book chapter on Screening And Characterization Of Bacteria Associated With Puffer Fish *Lagocephalus spadiceus* in the book Emerging Trends In Multidisciplinary Research (ETMR) published by Association of Global Academician and Researchers (AGAR) Publications, Tamil Nadu, India on 28.10.2023, ISBN Number: 978-93-91387-55-6.

Published a book chapter on Antimitotic, Antiproliferative and Antibacterial Efficacy of Ascidian in the book Emerging Trends In Multidisciplinary Research (ETMR) published by Association of Global Academician and Researchers (AGAR) Publications, Tamil Nadu, India on 28.10.2023, ISBN Number: 978-93-91387-55-6.



Dr. R. Sri Priya

Published a book chapter on Antimitotic, Antiproliferative and Antibacterial Efficacy of Ascidian in the book Emerging Trends In Multidisciplinary Research (ETMR) published by Association of Global Academician and Researchers (AGAR) Publications, Tamil Nadu, India on 28.10.2023, ISBN Number: 978-93-91387-55-6.

PATENT PUBLICATION



Dr. Sr. C. Shibana and Dr. P. Subavathy have published a patent entitled "A Method of Preparation of Titanium Coated Graphite Carbon Nanotube (CNT) Acrylonitrile-Butadiene-St" by Office of the Controller General of Patents, Designs and Trademarks, Intellectual Property, Government of

India on 15-Dec-2023.



> Dr. Jemma Hermalin Jesy Diaz have registered a patent entitled "Animal Based

Antibody Production Device" by the Patent Office, Government of India on 09-July-2024.

> Dr. Jemma Hermalin Jesy Diaz have registered a patent entitled "Eco-Friendly

Rice-Frog Farming Device" by the Patent Office, Government of India on 13-

June-2024.

- Dr.N.Arokiya Mary, Dr.P.J.Joslin, Dr.S.Mary Baptista Janet, Dr.Jemma Hermelin Jesy Diaz, Dr.S.R.T.Sherly Cross, Dr.S.Selvi, Dr.R.Sri Priya, Dr. M.Paripooranaselvi and Dr.P.Subavathy have participated in the National Seminar on Artificial Intelligence (AI) tools for Education with Special Reference to Chat GPT, GPT 4 and Lamma organized by Library Committee and Institution's Innovation Council, St. Mary's College (Autonomous), Thoothukudi on 11-Aug-2023.
- Dr.N.Arokiya Mary, Dr.P.J.Joslin, Dr.S.Mary Baptista Janet, Dr.Jemma Hermelin Jesy Diaz, Dr.S.R.T.Sherly Cross, Dr.S.Selvi, Dr.R.Sri Priya, Dr. M.Paripooranaselvi and Dr.P.Subavathy have participated in the Workshop on Academic Writing: Authenticity and Ethical Imperatives (Exclusive Hands on Training on eAarjav) organized by Marian Research Forum and Library Committee, St. Mary's College (Autonomous), Thoothukudi on 20-Sep-2023.
- Dr.N.Arokiya Mary, Dr.P.J.Joslin, Dr.S.Mary Baptista Janet, Dr.Jemma Hermelin Jesy Diaz, Dr.S.R.T.Sherly Cross, Dr.S.Selvi, Dr.R.Sri Priya, Dr. M.Paripooranaselvi, Dr.P.Subavathy and Dr.J.Shoba have participated in the National Seminar on Navigating Consultancy, Filing Patent and Designing Research Article: Insights and Strategies organized by Marian Research Forum and IQAC, St. Mary's College

(Autonomous), Thoothukudi on 20-Jan-2024.

Dr.N.Arokiya Mary, Dr.P.J.Joslin, Dr.S.Mary Baptista Janet, Dr.Jemma Hermelin Jesy Diaz, Dr.S.R.T.Sherly Cross, Dr.S.Selvi, Dr.R.Sri Priya, Dr. M.Paripooranaselvi, Dr.P.Subavathy and Dr.J.Shoba have participated in the FDP on Exploring Biotechnology: Innovative Applications and Advancements organized by PG and Research Department of Zoology, St. Mary's College (Autonomous), Thoothukudi from 14-Feb-2024 to 16-Feb-2024.

Dr.N.Arokiya Mary, Dr.P.J.Joslin, Dr.Jemma Hermelin Jesy Diaz, Dr.S.R.T.Sherly Cross, Dr.S.Selvi, Dr.R.Sri Priya, Dr. M.Paripooranaselvi, Dr.P.Subavathy and Dr.J.Shoba have participated in the International Seminar on Therapeutic Significance of Marine Organisms: A Scientific Insight through Tamil Literature organized by Department of Tamil and Zoology, St. Mary's College (Autonomous), Thoothukudi in collaboration with International Association of Tamil Research on 27-Feb-2024.

 Dr.N.Arokiya Mary, Dr.P.J.Joslin, Dr.S.Mary Baptista Janet, Dr.Jemma Hermelin Jesy Diaz, Dr.S.R.T.Sherly Cross, Dr.S.Selvi, Dr.R.Sri Priya, Dr.
 M.Paripooranaselvi, Dr.P.Subavathy and Dr.J.Shoba have participated in the National Seminar on Marine Resources: Conservation and Sustainable Utilization A Strategies organized by PG and Research Department of Zoology,

St. Mary's College (Autonomous), Thoothukudi on 06-Mar-2024.





- Dr.P.J.Joslin has participated in the Webinar on IPR and IP For Start Up Management organized by St. Mother Theresa Engineering College, Vagaikulam, Thoothukudi on 23-Jun-2023.
- Dr.P.J.Joslin has participated in the International Training Programme on Environment Pollution: A threat to Life in air organized by Raj Rishi Govt. Autontomous College, Rajasthan from 15-Aug- 2023 to 21-Aug-2023
- Dr.P.J.Joslin and Dr. M.Paripooranaselvi have participated in the Webinar on Birding as a Tool for Biodiversity Conservation organized by IQAC, Sree Narayana College, Kollam as part of AGORA-2023 on 23-Sep-2023.
- Dr.P.J.Joslin has participated in the Webinar on Race to Rescue with Geodata Part 2: Climate Change Mitigation and Adaptation organized by IQAC, Sree Narayana College, Kollam as part of AGORA-2023 on 24-Sep-2023.
- Dr.P.J.Joslin, Dr.S.Mary Baptista Janet, Dr.Jemma Hermelin Jesy Diaz, Dr.S.R.T.Sherly Cross, Dr.S.Selvi, Dr. R. Sri Priya, Dr. M.Paripooranaselvi and Dr.P.Subavathy have participated in the National Conference on Agrobiome organized by Department of Microbiology, St. Mary's College (Autonomous) Thoothukudi on 30-Sep-2023.
- Dr.P.J.Joslin has participated in the Webinar on Navigating Career Success through Campus Placements organized by IQAC, Sree Narayana College, Kollam as part of AGORA-2023 on 10-Oct-2023.
- Dr.P.J.Joslin has participated in the Webinar on NEP 2020: Critical Thinking organized by IQAC, Sree Narayana College, Kollam as part of AGORA-2023 on 12-Oct-2023.
- Dr.P.J.Joslin has participated in the Webinar on NIRF & KIRF organized by IQAC, Sree Narayana College, Kollam as part of AGORA-2023 on 17-Oct-2023.

- Dr.P.J.Joslin has participated in the Webinar on NIRF & KIRF organized by IQAC, Sree Narayana College, Kollam as part of AGORA-2023 on 17-Oct-2023.
- Dr.P.J.Joslin has participated in the Webinar on Ornithology & Keys to Bird Identification organized by IQAC, Sree Narayana College, Kollam as part of AGORA-2023 on 6-Nov-2023.
- Dr.P.J.Joslin has participated in the International Conference on Microalgae: Biodiversity and Bioprospecting organized by Department of Botany, St. Mary's College (Autonomous) Thoothukudi on 20-Feb-2024 to 21-Feb-2024.
- Dr.P.J.Joslin has participated in the Webinar on Essentials of Report Writing using MS Word organized by UGC - Malaviya Mission Teacher Training Centre, Madurai Kamaraj University on 24-Feb-2024.
- Dr.P.J.Joslin has participated in the Webinar on Science Behind Stress: Learning Physiology of Asian Elephants organized by IQAC, Sree Narayana College, Kollam as part of AGORA on 24-Feb-2024.
- Dr.P.J.Joslin has participated in the Webinar on Research and Development organized by UGC - Malaviya Mission Teacher Training Centre, Madurai Kamaraj University on

02-Mar-2024.

Dr.P.J.Joslin has participated in the Webinar on Open Access Publishing & Research Metrics organized by Researchers Forum & IQAC, Sree, Narayana College, Kollam on 16-Mar-2024.

- Dr.S.Mary Baptista Janet has participated in the Webinar on Race to Rescue with Geodata -Part 2: Climate Change Mitigation and Adaptation organized by IQAC, Sree Narayana College, Kollam as part of AGORA-2023 on 24-Sep-2023.
- Dr.S.Mary Baptista Janet, Dr. Jemma Hermelin Jesy Diaz and Dr. P. Subavathy have participated in the Six day International Faculty Development Programme on Quality Enhancement to Facilitate Academic Excellence and Well-Being organized by IQAC, Jyothi Nivas College (Autonomous), Bengaluru from 16-Jan-2024 to 21-Jan-2024.
- Dr.S.Mary Baptista Janet, Dr. Jemma Hermelin Jesy Diaz and Dr. P. Subavathy have participated in the Virtual Faculty Development Programme on Recent Scenario in Biological Science organized by PG and Research Department of Zoology, V. O. Chidambaram College, Thoothukudi from 12-Feb-2024 to 18-Feb-2024.
- Dr.S.Mary Baptista Janet, Dr. Jemma Hermelin Jesy Diaz and Dr. P. Subavathy have participated in the Seven Days Upskilling Faculty Development Programme organized by Cluster Department of Life Sciences, Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi from 21-Feb-2024 to 27-Feb-2024.
- Dr.S.Mary Baptista Janet, Dr. Jemma Hermelin Jesy Diaz and Dr. P. Subavathy have participated in the Online Training Programme on AI-Tools for Teaching and Learning organized by Internal Quality Assurance Cell, St. Xavier's College (Autonomous), Palayamkottai and Xavier Board of Higher Education, Tamil Nadu Chapter on 06-Apr-2024.
 Dr.Jemma Hermelin Jesy Diaz and Dr.P.Subavathy have participated in the Webinar on NEP 2020: Environment & Development-Solutions to plastic pollution organized by UGC-HRDC, Jai Narain Vyas University, Jodhpur, Rajasthan on 06-Oct-2023.
- Dr. Jemma Hermelin Jesy Diaz and Dr.P.Subavathy have participated in the FDP on Current Trends in Life Sciences (CTLS'23) organized by Research Department of Zoology,

Seethalakshmi Ramaswami College, Tiruchirappalli from 27-Nov-2023 to 03-Dec-2023.

- Dr. Jemma Hermelin Jesy Diaz and Dr.P.Subavathy have participated in the Webinar on Plagiarism: Ways and Means to Curb the Menance in AI World organized by Library Committee, St. Mary's College (Autonomous), Thoothukudi on 13-Mar-2024.
- Dr. Jemma Hermelin Jesy Diaz, Dr.S.Selvi, Dr.M.Paripooranaselvi, Dr.P.Subavathy and Dr.J.Shoba have participated in the Webinar on Glimpse on Open Education Resources (OER) in conjunction with tutorial on ZOTERO: A Reference Management Tool organized by Library Committee, St. Mary's College (Autonomous), Thoothukudi on 20-Mar-2024.
- Dr. R. Sri Priya has participated in the Orientation Workshop on Unnat Bharat Abhiyan and Convergence possibilities under PMMSY for participating Institutions in Tamil Nadu organized by Gandhigram Rural Institute, Gandhigram, Dindigul, Tamil Nadu on 29-Aug-2023.
- Dr. R. Sri Priya has participated in the Orientation workshop on UNNAT Bharat Abhiyan: Strategies to work with rural communities through participating approach organized by UNNAT Bharat Abhiyan, NCI, IIT, Delhi, Yojak, Pune, RCI, UBA, GRI, Gandhigram and Sarada Krishna Homeopathic Medical College, Kulasekharam, Kanniyakumari from 20-Nov-2023 to 21-Nov-2023.
- Dr. R. Sri Priya has participated in the Stakeholder Consultative workshop on handholding support to village panchayats on preparation and implementation of VPDP organized by State Institute of Rural Development & Panchayat Raj, Maraimalai Nagar from 25-Nov-2023 to 26-Nov-2023.
- Dr. R. Sri Priya has participated in the International Conference on Sustainable Materials for Environmental Remediation (ICSMER - 2024) organized by PG and Research Department of Chemistry, Thiagarajar College, Madurai on 01-Mar-2024.
- Dr.M.Paripooranaselvi has participated in the Entrepreneurship Programme on Vermicomposting Technology organized by P.G. and Research Department of Zoology, St. Mary's College (Autonomous), Thoothukudi in collaboration with ICAR-SCAD Krishi Vigyan Kendra under STAR College Scheme sponsored by DBT, Government of India, New Delhi on 21-Feb-2024.
 Dr.P.Subavathy has participated in the International Short Term Training Programme – 9 on On Environment Pollution: A Threat to Life below Water and World Environment Day Celebration Week
 - organized by Raj Rishi Govt. Autonomous College, Alwar, (Rajasthan) from 05-Jun-2023 to 11-Jun-2023.



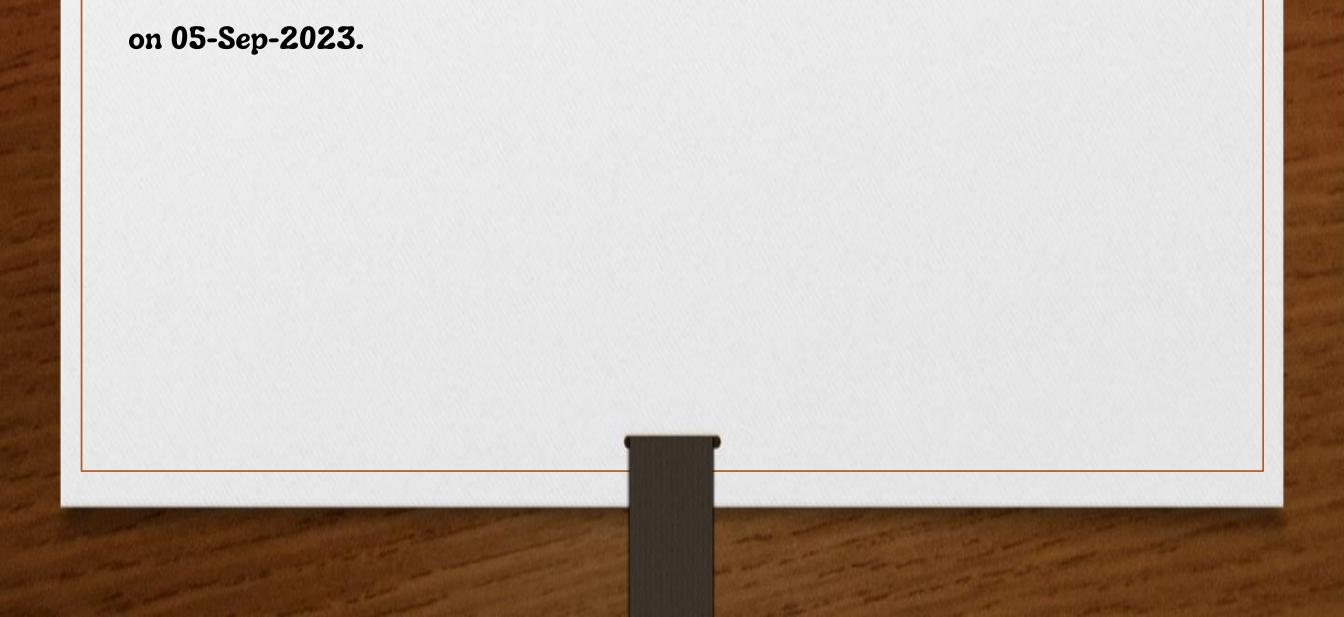
AWARDS



Dr. P. J.Joslin

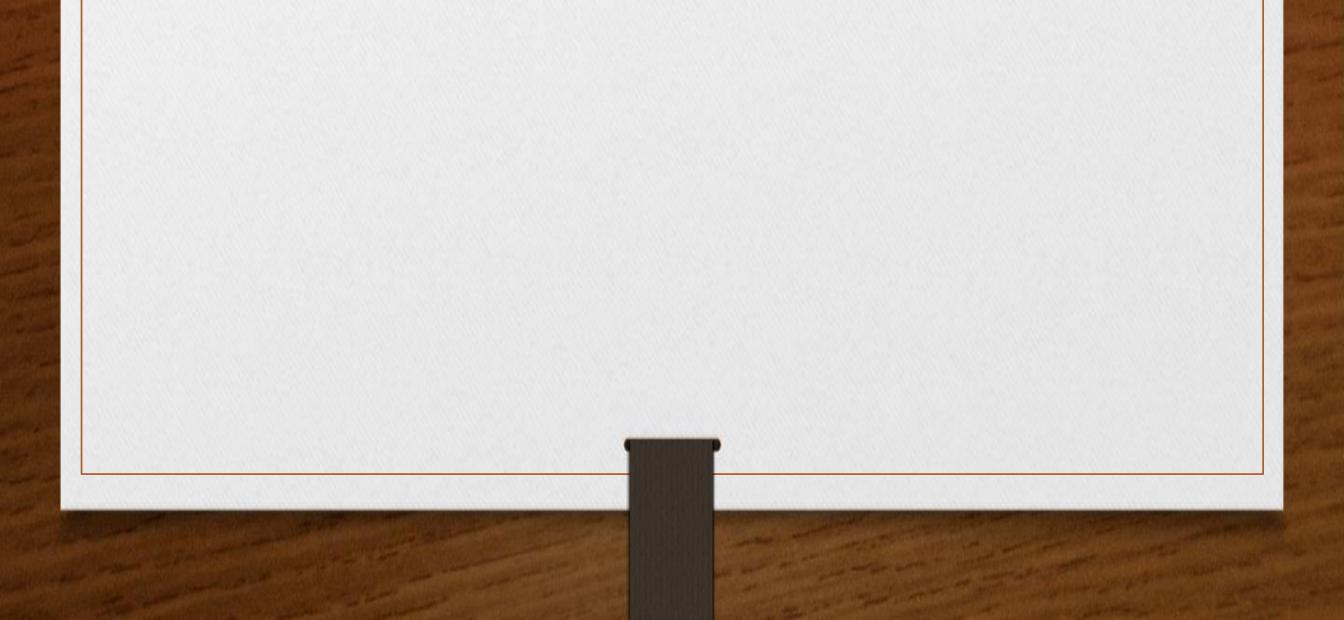
Honoured with AGAR - Women Academic Achiever Award 2023 by Association of Global Academicians and Researchers (AGAR), Thirupattur – Tamil Nadu on June 2023.

International Awards 2023 - Best Associate Professor Award by Malaysia Bharathi Creative Channel and Sanjana Educational Foundatio, Srivaikundam



NEW SCHOLARS

Name	Title	Register No. and date of Commencement	Full time/part time	Research Supervisor
C. Pratheepa	Screening of bioactive potentials from Protunus pelagicus (Linnaeus 1784)	23212212192002 27.11.2023	Full Time	Dr.Sr.C.Shibana



PH.D AWARDEES

The department proudly announces the successful completion of doctoral research of two scholars, Dr. Jeyaruby and Dr. Esther Elsie guided by Dr.R.D.Thilaga. They successfully defended their thesis before a panel of distinguished experts.









Pre - PHD

Name of the scholar/Staff	Name of the Guide/ Co-guide	Department	Date of meeting
Jenivi	Dr. R.D.Thilaga	Zoology	28.06.2023

DOCTORAL COMMITTEE MEETINGS

Name of the scholar/Staff	Name of the Guide/ Co-guide	Department	Date of meeting	
Esther Mereen J	Dr. Jemma Hermelin Jesy Diaz	Zoology	03.04.2023	
Esther Elsie T	Dr. R.D.Thilaga	Zoology	03.04.2023	
P.Kaviya Priya	Dr.P.Subavathy	Zoology	13.06.2023	
A.Maria Antony Dominikal	Dr.P.Subavathy	Zoology	13.06.2023	
Devi Saraswarthy Dr. P.J. Joslin		Zoology	07.07.2023	
C. Pratheepa	Dr. Sr. C. Shibana	Zoology	15.02.2023	
S. Motch Arokiya Vinista	Dr. Jemma Hermelin Jesy Diaz	Zoology	29.11.2023	
Jenivi	Dr. R. D. Thilaga	Zoology	28.6. 2023	

AWARENESS PROGRAM FOR LACTATING WOMEN

On 15.04.2024 an Awareness program 'Nutrition Wellness for Pregnant and Lactating Women' was organized in Palayakayal village. The students prepared charts for nutritional requirements for pregnant and lactating women and distributed it to the young women



As a part of Community Development Program of St. Mary's College (Autonomous), the second UG student participated in the Grama sabha meeting in Pazhayakayal Panchayath on15th August, 2023. Mr. Selvakumar, Panchayath president presided over the programme. Ms. Kamatchi, Zonal Deputy Thasildhar , Srivaikundam and officers from various Departments of Government of Tamil Nadu participated in the meeting.



An awareness programme on 'UNDERSTANDING BODY BOUNDARIES AND EMPOWERING

ASSERTIVENESS FOR SCHOOL STUDENTS' was organized by the community development program and Department of Zoology of St. Mary's College Pazhaiyakayal on 17.12.2023. They insisted them about identifying good/bad touch.



As a part of Community Development Program of St. Mary's College (Autonomous), the second UG student of Department of Zoology participated in the Republic Day function at St. Mary's Middle School, Pazhayakayal. The college students celebrated the Republic day by creating awareness about the importance of Republic day among the young students. They instigated the students by, awareness talk on the Indian Constitution by Ms. Kaliammal and Ms. Muthumari Thayammal of II B.Sc. Zoology. They

also conducted a quiz competition and drawing competition for the students of St. Mary's Middle School, Pazhayakayal and St. Antony's Higher Secondary School of

Pazhayakayal on the topic 'Our India'. The students enthusiastically



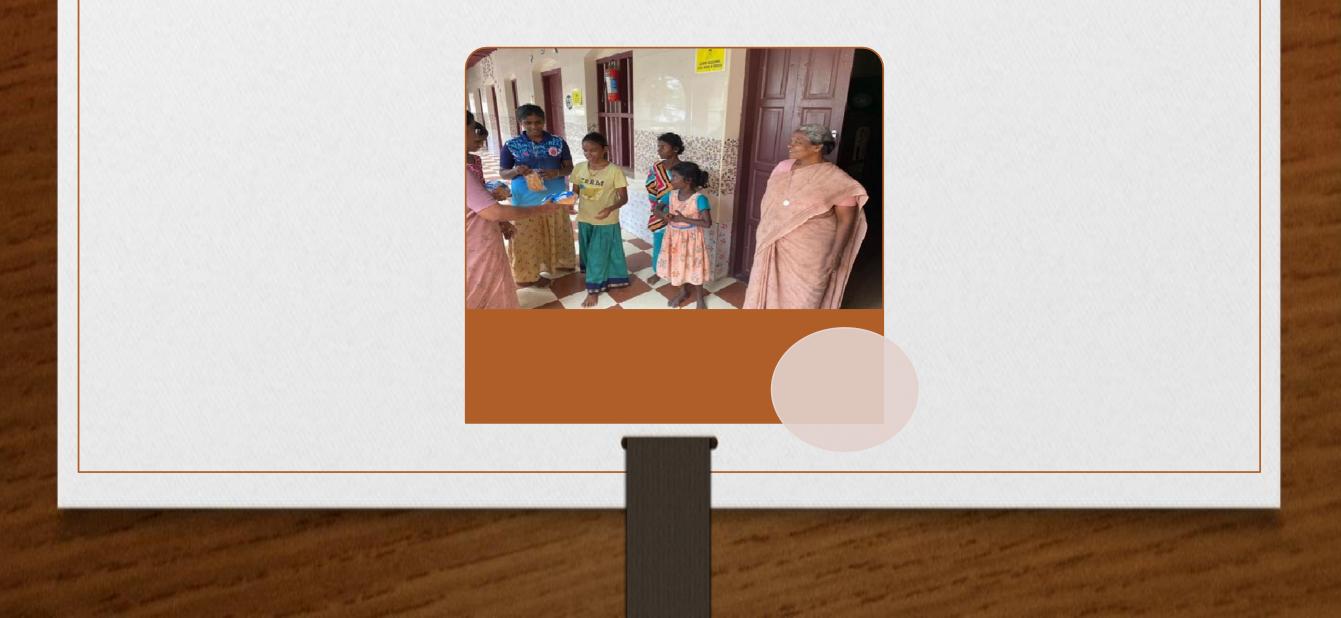




Flood Relief Efforts: Providing Aid to Pazhaiyakayal on 21.12.2023 On December 21, 2023, devastating floods struck our adopted village Pazhaiyakayal, leaving many families displaced and in urgent need of assistance. In response to this crisis, a coordinated relief effort was launched by the Department of Zoology to provide essential supplies and support to the affected residents. We distributed grocery items, bedsheets food and we aimed at alleviating the hardships faced by the community. Cooked meals were provided to the flood victims to meet their immediate nutritional needs.







An awareness camp on 'Health and Hygiene' was conducted at St. Antony's Higher Secondary School, Pazhaiyakayal. Mr. Jenoris Kagoo, Head Master St. Antony's Higher Secondary School, Pazhaiyakayal presided over the program. Mr.Ashok, Swatch Bharath Mission, Zonal Supervisor, Thoothukudi Corporation was the resource person. He addressed the higher secondary students on the importance of personal hygiene and sanitation for a healthy livelihood.

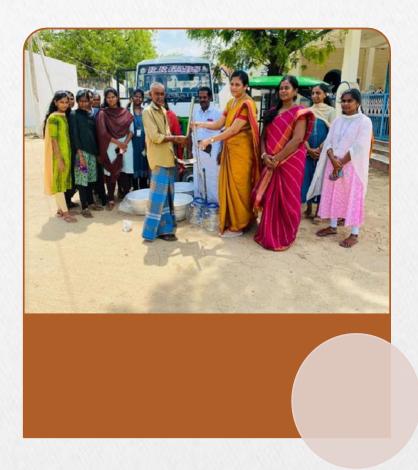


As an initiative to a Greener village, an Environment Awareness Drive 'Greening Villages: Planting Seeds For a Sustainable Future' was organised on 18.04.24 in Palayakayal village This

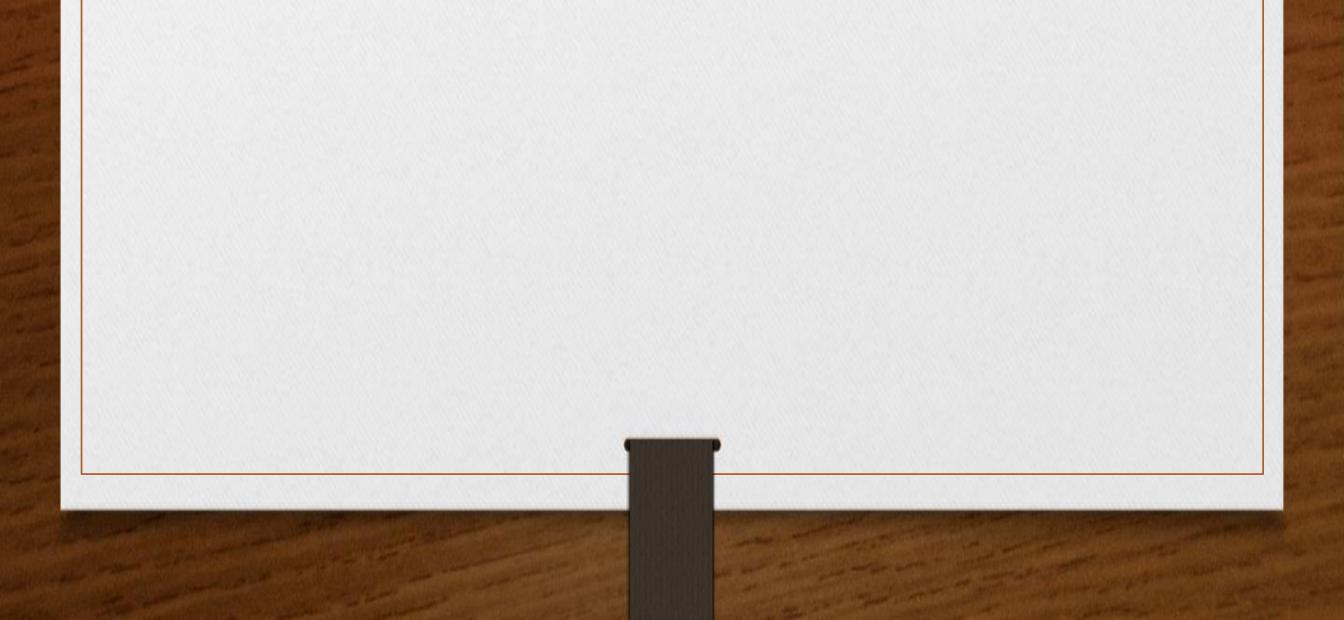
initiative was presided by the village Panchayat president Mr. Selvakumar.



An Awareness programme on 'Bin it Right: Promoting Waste Management in Villages' was organised on 17.04.24 in Palayakayal village. The programe was organized to create awareness and train the sanitary workers for safe handling of solid waste and the importance of proper waste management.







INDUSTRIAL VISITS

CMFRI, Mandapam Regional Centre, and Karankadu Mangrove Forest On the 27th of September, 2023, the students of II M.Sc and III B.Sc Zoology were accompanied by two faculty members for an industrial visit to CMFRI, Mandapam Regional Centre, and Karankadu Mangrove Forest. This visit was organized to complement the students' field visit focusing on ecological concepts.







Rajan Aquafarms

The students of I B.Sc Zoology and II B.Sc Zoology were taken for a field visit to Rajan Aquafarms, Sawyerpuram on 29.09.2023. Mr. Rajan, Proprietor of the farm took a tour of the aquafarm with the students, explaining the various strategies of maintaining the fish cultures. 70 students participated in the field visit.



Sericulture Unit, Nannagaram, Tenkasi

On 9th February 2024, III B.Sc and II M.Sc students of the Department of Zoology went on a field trip to Government Sericulture unit at Nannagaram, Tenkasi. The students visited the cocoons ready for marketing and the reeling units where they could witness the reeling and re-reeling processes. The Inspector of Sericulture unit explained the whole process of silk yield through the agro-based industry and motivated the students to become entrepreneurs in this field. 41 students were benefitted out through this field visit.







Field Visit To Manakudy Mangrove Forest, Kanyakumari

On 2nd March 2024, students of II M.Sc Zoology went on a field trip to Manakudy Estuary, Kanyakumari as a part of curriculum.







VISIT TO CENTRAL MARINE FISHERIES RESEARCH INSTITUTE, THOOTHUKUDI In commemoration of the 77 th Foundation Day ICAR – Tuticorin Regional Station of Central Marine Fisheries Research Institute (CMFRI) organized 'Open House' on 2nd February, 2024 for the benefit of students and general public. A total of 51 students of III B.Sc. and II M.Sc. Zoology visited the Central Marine Fisheries Research Institute,Thoothukudi on its 77th Foundation Day.

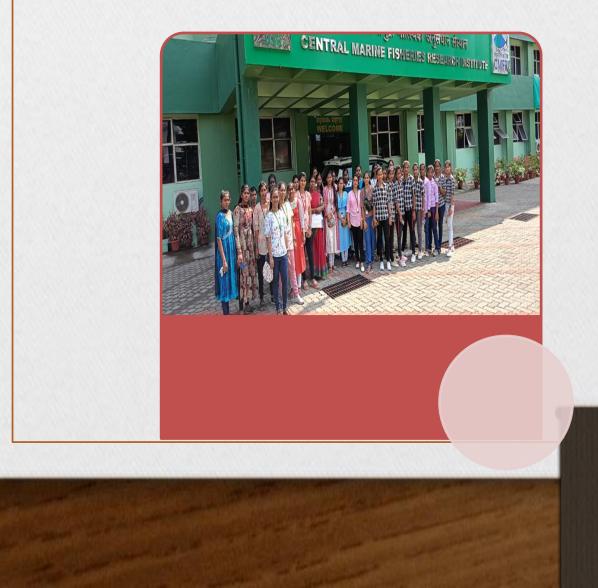






Educational Visit to Kochi (21.02.24 and 22.02.24)

Students of III B.Sc, I M.Sc. and II M.Sc. Zoology students went for a education visit to CMFRI, Kochi on 21st & 22nd February 2024.





STUDENT ACHIEVEMENTS

Name of the Student/Gro up (In a single column)	Departm ent	Year I /II/ III	Nature of the competitio n (Paper presentati on/ Dance/elo cution/Dr ama)	ed/	Prize	District level/Zon al/ State Level	Organised by	Date
Prathicksha M	Zoology	II M.S.c	Paper Presented	Prize won	Second	Internati onal conferen ce	_	01 – Mar - 2024
Niruba B	Zoology	II B.S.c	Group Dance	Participat ed	-	Marian Art Fest – 2024	St. Mary's College (Autonomous), Thoothukudi	02 - Mar 2024
Prasanna B	Zoology	II B.S.c	Group Dance	Participat ed	-	Marian Art Fest – 2024	St. Mary's College (Autonomous), Thoothukudi	02 - Mar 2024
Shimona S	Zoology	II B.S.c	Group Dance	Participat ed	-	Marian Art Fest – 2024	St. Mary's College (Autonomous), Thoothukudi	02 - Mar 2024
Maria CathrinVishi ka V	Zoology	II B.S.c	Group Dance	Participat ed	-	Marian Art Fest – 2024	St. Mary's College (Autonomous), Thoothukudi	02 - Mar 2024
Preethi R	Zoology	I B.S.c	Group Dance	Participat ed	-	Marian Art Fest – 2024	St. Mary's College (Autonomous), Thoothukudi	02 - Mar 2024

Competitions on SAVE WILDLIFE ! SAVE EARTH !!

In commemoration of National Wildlife Week, PG & Research Department of Zoology organized competitions on the topic Save Wildlife ! Save Earth !! on 30.09.2023 in the Zoology Lab.

In this regard, competitions such as Pencil Drawing, Poetry Writing and Essay Writing were held. The students participated enthusiastically in these competitions.

* S. Revathy of II B.Sc. Zoology and R.Sheela Rexy of III B.Sc. Zoology won I & II prizes respectively.

* In Poetry Writing, M.Ramalakshmi of III B.Sc. Zoology, Muthumari Thayammal of, II B.Sc. Zoology and Kaliyammal of II B.Sc. Zoology won the prizes. * In essay competition I, II and III places were given to Subiksha of I B.Sc.

Paraloga Elsi of III B.Sc. Zoology and Praise Kiruba of II B.Sc. Zoology Zoology.

* The students expressed their talents by participating in this competitions.

NPTEL MOOC EXAM

The NPTEL MOOC exam in Wildlife Ecology and Environmental Science was completed by 10 students from the I M.Sc. and 5 students from II M.Sc. Zoology respectively. Among the I M.Sc. students, seven achieved Elite + Gold grade, two earned Elite + Silver grade, and one secured Elite grade in the NPTEL MOOC examination. Two students from II M.Sc. Zoology program achieved an Elite grade.

SPOKEN ENGLISH VIVA

The Department of English conducted a Spoken English Viva-Voce

examination for the first and second-year B.Sc. Zoology students on

03.04.2023 and 05.04.2023 respectively, to enhance their

communication skills and English language proficiency.

PROJECTS

38 UG students from the III B.Sc Zoology and 12 PG students from II M.Sc Zoology have completed projects under the guidance of our faculty demonstrating their research and problem-solving skills.

HIGHER EDUCATION

Marking significant academic advancement, eleven students from B.Sc. and M.Sc. programs have successfully transitioned to higher educational pursuits, reflecting their dedication to academic excellence and professional growth.





The Department is proud to announce that three students have

successfully secured employment opportunities in various reputed

companies reflecting the industry-relevant skills developed during

their academic journey.

PASS PERCENTAGE

The Zoology Department has once again demonstrated academic excellence, achieving an impressive 100% pass percentage in both Undergraduate (UG) and Postgraduate (PG) programs. This remarkable accomplishment reflects the dedication and hard work of our students, faculty, and staff, setting a new standard of academic performance within the institution.

