

Name	:	Ms. J. RATHINAM
Qualification	:	M.Sc.
Designation	:	Research Scholar
Discipline	:	Botany
Date of Commencement:		07.10.2021
Registration Number	:	21112212262009
Mode	:	Full time
Name of the Supervisor :		Dr. G. Flora Assistant Professor of Botany, St. Mary's College (Autonomous), Thoothukudi
Area of Research	:	Microalgae
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Proposed Title: Exploring the resilience of cyanobacteria on emerging contaminants and its applications

Doctoral Committee

Name of the DC members: 1. Dr. Ponrathy, Assistant Professor, Department of Botany, Kamaraj College, Thoothukudi.

2. Dr. T. Ramanathan, Professor, CAS in Marine Biology, Annamalai University, Cuddalore

Date of 1st DC Meeting: 02.11.2021

Date of 2nd DC Meeting: 06.04.2024

1. Seminars/Workshops/FDP/ Conferences/Training Presented/ Participated

Title of the Workshop/ Conference/ Seminar/ FDP	Type	Paper Presented/ Participated	Title of the Paper	Organized By	Date
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Workshop on IPR Procedures and Awareness	National	Participated	-	Department of Botany, St. Mary's College (Autonomous), Thoothukudi	13.09.2024 - 14.09.2024
Seminar on Narratives of Nature: Exploring the Indigenous Ecology and Environmental Ethics	National	Presented	Eco-friendly Phycoremediation: Utilizing Microalgae for Effective Waste Water and Pollutant Management	Department of English in association with Department of Botany, St. Mary's College, Thoothukudi	09.09.2024
Workshop on Plant Genetic Engineering	-	Participated	-	Department of Botany, St. Mary's College (Autonomous), Thoothukudi	29.08.2024 – 30.08.2024
Webinar on Multidisciplinary approaches in research for sustainable development	International	Participated	-	PG and Research Department of Zoology, Jayaraj Annapackiam college for women (Autonomous), periyakualm, Theni	29.08.2024
FDP on <i>In Silico</i> Modelling Approach for Pharmaceutical Sciences	-	Participated	-	Marian Star Centre, Department of Chemistry under STAR COLLEGE SCHEME sponsored by the Department of Biotechnology, Ministry of	27.08.2024 – 29.08.2024

				Science and Technology, New Delhi	
Workshop on Elevate your research: Author and Editor insights for publishing in reputed journal	-	Participated	-	Marian Research Forum, St. Mary's College (Autonomous), Thoothukudi	20.08.2024
Skill Development Training Programme on Ornamental fish breeding and culture	-	Participated	-	ICAR-SCAD Krishi Vigyan Kendra, Vagaikulam, Thoothukudi, Tamil Nadu.	06.08.2024-10.08.2024
Workshop on Plant DNA Taxonomy	National	Participated	-	Department of Botany, Visakha Govt. Degree College for Women (A), Visakhapatnam, AP, India.	03.08.2024
Frontiers in Material Research, Innovations and Entrepreneurship (FMRIE'24)	-	Participated	-	Department of Humanities and Sciences (Physics), Sairam Engineering College, West Tambaram, Chennai	27.07.2024 – 08.08.2024
Molecular Inhibition of Endoplasmic Reticulum Stress by Vitexin in Post Myocardial Infarction – an In-vitro and In-vivo Study	-	Participated	-	SRM Institute of Science and Technology, Ramapuram	04.07.2024
Webinar on Plagiarism: Ways and Means to	-	Participated	-	Library Committee of St. Mary's College	13.03.2024

Curb the Menace in AI World				(Autonomous), Thoothukudi	
Seminar on Marine Resources: Conservation and Sustainable Utilization and Strategies	National	Participated	-	Department of Zoology, St. Mary's College (Autonomous), Thoothukudi	06.03.2024
Conference Microalgae: Biodiversity and Bioprospecting	International	Presented	Growth tolerance of Selected Unicellular Cyanobacteria on Dioctyl Terephthalate Pollution	Department of Botany, St. Mary's College (Autonomous), Thoothukudi	20.02.2024 -- 21.02.2024
Lecture cum Training on Taxonomic Tale of plant Kingdom	-	Participated	-	Department of Botany, St. Mary's College (Autonomous), Thoothukudi	08.02.2024 -- 09.02.2024
Seminar on Navigating Consultancy Filing Patent and Designing Research Article: Insights and Strategies	National	Participated	-	Marian Research Forum and International Quality Assurance Cell (IQAC) of St. Mary's college (Autonomous), Thoothukudi	20.01.2024
Workshop on Avoiding Predatory Publishing: Guidelines for Choosing Quality Journals in the Digital Age		Participated	-	Marian Research Forum, St. Mary's College (Autonomous), Thoothukudi.	11.12.2023
Webinar on Intellectual Property Rights (IPR): Patents,	International	Participated	-	Bioingene.com	26.08.2023

Design, Trademarks, GI and Copyrights					
Workshop on Computational Intelligence 2023 (IWCI'23)	International	Participated	-	Amrita school of AI, Amrita Vishwa Vidyapeetham , Coimbatore, India	07.08.2023 – 11.08.2023
Seminar on Artificial Intelligence (AI) Tools for Education with Special Reference to Chat GPT, GPT 4 and LAMMA	National	Participated	-	Library committee and Institution's council, St. Mary's College (Autonomous) , Thoothukudi.	11.08.2023
Expert talk on Utilization of waste into value – added products using thermochemical methods	National	Participated	-	Department of Biotechnology, college of Science and Humanities, SRM Institute of Science and Technology, Ramapuram Campus, Chennai	05.08.2023
Interactive Webinar on Academic Entrepreneurship: Challenges and Rewards	International	Participated	-	Bioingene.com	01.07.2023
Webinar on Microplastics	International	Participated	-	Department of Zoology, S. T. Hindu College, Nagercoil, India	05.06.2023
Conference on Research Publication: An Integrative and	-	Participated	-	Marian Research Forum, St. Mary's	19.04.2023

Dynamic Approach				College (Autonomous), Thoothukudi	
Conference on Applied Biosciences	International	Presented	Taxonomic study on Phytoplankton of Thoothukudi Estuary	Department of Botany, St. Mary's College (Autonomous), Thoothukudi	28.03.2023 -- 29.03.2023
Conference on Recent Trends in Life Sciences	National	Participated	-	Department of Zoology, St. Mary's College (Autonomous), Thoothukudi	17.03.2023 -- 18.03.2023
Conference on Emerging Trend in Biotechnology and Bioeconomy	International	Participated	-	Department of Biotechnology, Manonmaniam Sundaranar University, Tirunelveli	09.03.2023 -- 10.03.2023
Conference on Recent Trends in Microbial Biotechnology	National	Participated	-	Department of Marine Biotechnology, Bharathidasan University, Tiruchirappalli	24.02.2023
Hands on Training Programme on Molecular Modeling and Dynamics		Participated	-	Department of Chemistry, St. Mary's College (Autonomous), Thoothukudi	13.02.2023 -- 15.02.2023
Webinar on Keys to Publish in High Impact Journals	International	Participated	-	Marian Research Forum, St. Mary's College (Autonomous), Thoothukudi	07.02.2023
Seminar on Plant Response to Climate Change	international	Participated	-	Department of Botany & Research Centre, Scott	08.12.2022 -- 09.12.2022

				Christian College (Autonomous), Nagercoil	
Training Programme on Environmental Monitoring Using Advanced Analytical and Molecular Tools	National	Participated	-	School of Marine Sciences & School of Environmental Sciences, Bharathidasan University, Tiruchirappalli	09.11.2022 – 15.11.2022
Conference on Recent Advances in Structural Biology	National	Participated	-	National College (Autonomous), Tiruchirappalli	04.11.2022 – 05.11.2022
Seminar on Research Visibility Tools for Reaching a Wider Audience	National	Participated	-	Annammal College of Education For Women, Thoothukudi	24.9.2022
FDP Programme on Research Prospects and Progress in Biological Science (RPPB-2022)	-	Participated	-	Department of Biotechnology, SRM Institute of Science and Technology, Ramapuram Campus, Chennai.	04.07.2022 – 10.07.2022
Training on Morphological Identification, Isolation and Culturing Techniques of Microalgae and Cyanobacteria	-	Participated	-	Department of Microbiology, Bharathidasan University, Tiruchirappalli	20.06.2022 – 25.06.2022
Workshop on Popular Science Writing under AWSAR	-	Participated	-	NMS Sermathai Vasan College for Women, Madurai.	13.05.2022

Workshop on Free & Open-Source Software for Data Analyses	-	Participated	-	Madurai Kamaraj University, Madurai	25.04.2022 – 29.04.2022
Pharmacognostic Studies of Bathing Powder	-	Participated	-	Trichy Research Institute of Biotechnology Private Limited, Trichy	11.04.2022 – 13.04.2022
Workshop on Research Methodology and Data Analysis Using SPSS	National	Participated	-	Department of Commerce, Kamaraj College, Thoothukudi	06.04.2022 – 08.04.2022
Webinar on Climate Change and Future Challenges	International	Participated	-	Department of Botany, St. Mary's College (Autonomous), Thoothukudi	03.03.2022 – 04.03.2022
Webinar on Importance of IP in Scientific Research- An Overview	International	Participated	-	Marian Research Forum, St. Mary's College (Autonomous) Thoothukudi	01.03.2022
Virtual Conference on Biological Innovations & Computational Exploration for Pandemic Challenges	International	Participated	-	Department of Biotechnology & Bioinformatics, Bishop Heber College (Autonomous), Tiruchirappalli	24.02.2022 – 25.02.2022
Faculty Development Programme on Intellectual Property Rights	-	Participated	-	Department of Botany, St. Mary's College (Autonomous), Thoothukudi	21.02.2022 – 25.02.2022
Workshop on Microalgal Technology	International	Participated	-	Department of Botany, St. Mary's	16.02.2022 – 18.02.2022

				College (Autonomous) , Thoothukudi	
Science Communication & Popularization	State	Participated	-	Tamil Nadu State Council for Science and Technology	07.02.2022
FDP on A New Structural Paradigm in Heme Binding Proteins	-	Participated	-	Department of Chemistry, St. Mary's College (Autonomous) , Thoothukudi	31.01.2022
Webinar on Computer Aided Drug Design	International	Participated	-	Institute of Innovations, Tiruvannamalai	23.01.2022
Conference on Innovative Research in Humanities, Science and Technology (IVCIRHST- 2022)	International	Presented	Documentatio n of Skin Diseases from Therespuram of Thoothukudi District	Selvam Arts and Science College (Autonomous) , Namakkal	06.01.2022 – 07.01.2022
Training Programme on Computational Biology and Bioinformatics	-	Participated	-	Bioinformatic s center at National Centre for Aquatic Animal Health, Cochin University of Science and Technology, Kerala	January 2022
FDP on Pursuit of Excellence in Research and Advanced Technology	International	Participated	-	Sathyabama Institute of Science and Technology, Chennai	20.10.2021 – 30.10.2021

2. Proceedings

Paper Title	Author(s)	Conference/ Seminar	Year	Page No.	Orgnaized by
Growth tolerance of selected unicellular cyanobacteria on Diisononyl phthalate pollution	J. Rathinam and G. Flora	International Conference on Frontiers in Biological and Medical Sciences	2024	10-13	Department of Zoology, Seethalakshmi Ramaswami College. Tiruchirappalli
Exploring the Resilience of Unicellular Cyanobacteria: Tolerance to Dioctyl Terephthalate Pollution	J. Rathinam and G. Flora	National Conference on Environmental Issues and their Treatments	2024	15-19	V.O. Chidambaram College, Tuticorin
Toxicity of Dioctyl Terephthalate (DOTP) on cyanobacteria in aquatic environment	J. Rathinam and G. Flora	National Conference on Bioprospecting Approach for a Heavenly Earth	2024		V.O. Chidambaram College, Tuticorin

