

Profile



Name : Dr. MRS. M.REVATHI
Gender : FEMALE
Department : BOTANY
Designation : ASSISTANT PROFESSOR OF BOTANY
Educational Qualification : M.Sc., M.Phil., Ph.D

S. No.	Degree / Diploma	Subject / Main	Name of the College / University	Year of Passing
1.	U.G.	Botany	Seethalakshmi Ramaswamy College(Autonomous), Trichy-2	2003
2.	P.G.	Botany	Holy Cross College (Autonomous), Trichy-2	2005
3.	M.Phil.	Botany	Bharathidasan University- Distance Education	2007
4.	Ph.D.	Botany	Bharathidasan University, Trichy- 24	2016

Teaching Experience : Assistant Professor in Botany from July 1st 2009 to till date

Holy Cross College (Autonomous)

Trichy-2

15 Years

Title of Ph.D Thesis :“Studies on Phytochemical, Antimicrobial and Molecular Characterization of an important water fern *Marsilea minuta* Linn.”

Subjects of Expertise: Plant diversity, Plant anatomy, Cell and Molecular Biology, Genetics and Plant Breeding, Plant Taxonomy, Plant physiology, Horticulture and Plant Breeding, Environmental Science and Food Science.

Administrative Responsibilities:**Coordinator: Youth Against Drugs Club from 2022- till date****Staff Club Secretary: 2024-2025****E-lessons developed:**

S. No	Title of e-lessons
1.	Structure of DNA
2.	Life cycle patterns in algae
3.	Thallus organization in algae

Orientation/Refresher/ FDP course attended

Programme	Sponsored by	Place and Duration
Orientation Programme	University grants commission Ministry of Education	Teaching Learning Centre, Ramanujan College, University of Delhi 20.04.2022 to 19.05.2022
UGC sponsored Tenth online Faculty induction Programme	University grants commission Human Resource Development Centre	Bharathidasan University, Tiruchirappalli, 01.06.2022 to 30.06.2022
ICT Academy sponsored 3 day Faculty Development Programme on “Team building and Managing”	ICT Academy	Aiman College of Arts and Science for women, Tiruchirappalli 01.09.2022 to 03.09.2022
UGC sponsored Online Refresher Course in Botany	University grants commission Human Resource Development Centre	Madurai Kamaraj University, Madurai, 02.11.2022 to 15.11.2022

NPTEL/ SWAYAM MOOC COURSES ATTENDED

Online Course title	Conducted by	Duration and Date
Organic Farming for Sustainable Agriculture Production	NPTEL – MOOC, Ministry of Education Govt. of India	8 week course (Jul-Sep 2022)

IN-SERVICE PROGRAMME ATTENDED

Two days “In-Service Teacher Training Programme in Life Sciences” (05.05.2022 & 06.05.2022). Sponsored by TANSCH, H. H. The Raja’s College (Autonomous), Pudukkottai-622 001.

BOOK/BOOK CHAPTERS PUBLICATION

- Book Chapters (Biology- Unit-16 to 19) in “S.G.S. Science Q & A Book for 10th Standard” Tamil Nadu State Board New Syllabus 2023-24 Edition. Bino Publications, Kanyakumari.
- Allied Botany Practical –Mahi publication, February, 2024. ISSN 978-81-970480-7-4

PUBLICATION:

- **Revathi M.**, Banumathy. (2011). Effect of herbal fumes on the growth of *Vigna radiata* (Linn.) R.Wilczek seedlings. *Crossian Resonance*.(2): 133-139.
- **Revathi.M.** (2012). Antibacterial potential of *Rhinachanthus nasutus* (L.)Kure. *International Journal of Biological Technologies. (Special issue)*: 180–184.
- **Revathi M.** and Catharin sara. (2014). Preliminary phytochemical analysis and antimicrobial activity of rhizome extract of *Marsilea minuta*,L. *International Journal of Scientific Research*.(3):46- 48.
- **Revathi M.** and Catharin Sara. (2014). Phytochemical studies on leaves and petiole extracts of *Marsilea minuta*,L. *International Journal of Science and Research*. (3): 1872-1874.
- **Revathi M.** and Catharin sara. (2014). Antioxidant activity of various parts of *Marsileaminuta*,L. *International Journal of Research in Engineering and Bioscience*. Vol.2. Issue-6. PP- 64-78. www.ijreb.org.
- **Revathi M.** and Catharin sara. (2018). RP-HPLC Analysis of Flavanoids in *Marsilea minuta* L. *International Journal of Science and Research (IJSR)*7:11 : PP – 1052-1054, October 2018. ISSN: 2319- 7064. Impact factor: 7. 296.
- **Revathi. M.**, Catharin Sara, **S.**, Manonmani, R. and Claudio Medoona Rigley. (2019). Fourier Transform Infra red Spectroscopic analysis of ethanolic leaf extract of *Alternanthera sessilis* (L.) and *Trigonella foeniculum* (L.) *Indian Journal of Applied Research*. Vol.9 Issue:2 pp: 1-2 ISSN: 2249-555X, Impact factor:5.397.
- Manonmani, R., Catharin Sara, S., **Revathi, M.** and Basheera Begum A.(2018). Phytochemical Profiling of *Nigella sativa* L. *World Journal of Pharmaceutical Research (WJPR)* Vol.7 Issue: 19, pp – 1376 – 1388. ISSN 2277-7105.
- **Revathi, M.** and Bhuvaneshwari, V. (2018). Spectroscopic Analysis and anti- inflammatory activity of *Plumaria rubra* L. *Global Journal for Research Analysis (GJRA)*. Vol. 11 Issue: 2 PP: 111-13: ISSN NO: 2277-8160. Impact factor: 5.956.

- **Revathi .M.** and Manonmani, R.(2023).GC-MS Analysis of Ethanolic Seed Extract of *Hygrophila auriculata* (SCHUM) HEINE. *Global journal for research analysis*.Vol. 12. Issue: 5. ISSN No. 2277.PP:1-3.Impact factor: 5. 956.
- Manonmani, R. and **Revathi. M.** (2023). Phytochemical and Pharmacological Activities of *Tribulus terrestris* L. *World Journal of Pharmaceutical Research*. Vol.12.Issue 7: PP: 693-700.ISSN 2277–7105. Impact factor: 8.084.
- AUXILIA A, **REVATHI M**, MANONMANI R AND ASHA MONICA A. 2023. Evaluation of Phytochemical, Antibacterial and Antioxidant Analysis of *Linum usitatissimum* L. Seed Extract. *International Journal of Pharmaceutical Sciences and Research*. Vol. 14(9): 4630-4635.
- **Revathi . M.**, Manonmani, R. and Sowmiya, V. 2024. Phytochemical analysis and antioxidant activity of *Nelumbo nucifera* Gaertn. *World Journal of Pharmaceutical Research*. Vol 13(March, 30), Issue 7. PP: 1035-1041. ISSN 2277–7105. Impact factor: 8.453.

Paper presented:

Characterization and anti-oxidant activity of silver nanoparticles in *Aegle marmelos* Corr., International Conference on “Networking, Research and Innovation in Higher education for a sustainable society: challenges and channels (ICNRI 2018).25th – 27th July 2018 ,Holy Cross College, Tiruchirappalli-2.

Award Received

“**Young researcher of the Year 2022**” Award from Avishkar Foundation for Achievers, Solapur.

Conference/Seminar/Workshop/ Training Programme attended- Academic & General:

S. No.	Theme	Place	International / National / State level	Year	Resource Person / Paper Presentation / Participation
1.	Workshop on - Advances in Medicinal Plant Biology and Toxicology – AMPBT 12.	Prist University	National	2012	Participated
2.	Workshop on Basics of Bioinformatics and CADD	Holy Cross College, Trichy	National	2014	Participated
3.	National Conference on -Biodiversity and Climate change adaptations – Current status trends and Policy responses.	St. Andrew’s college, Gorakpur	National	2014	Participated
4.	Lecture Workshop on - Vistas in Biosciences	St.Joseph’s College, Trichy	National	2015	Participated
5.	International Confer Vista in Life Science”	PG Department of Biochemistry, Holy Cross College, Trichy	International	2018	Participated
6.	National Seminar on “Microbes in Women Health”	Bharathidasan University, Tiruchirappalli-24	National	2019	Participated
7.	National Webinar on “Impact of COVID- 19 on Biodiversity and its Conservation”	Department of Botany & Zoology SeethalakshmiRamaswamy College (Autonomous) Trichy	National	2020	Participated
8.	Webinar on “ COVID-19 Pandemic and Immunity”	Department of Botany, Nutrition and Dietetics & Zoology. Seethalakshmi Ramaswamy College (Autonomous)	National	2020	Participated

		Trichy			
9.	Webinar on “Biodiversity and Climate Change: An Intimate Dynamic Relationship”	Research Department of Botany V. O. Chidambaram College, Thoothukudi	National	2020	Participated
10.	National Webinar on “ Shola forest: A paradise of biodiversity”	Department of Botany Bishop Heber College (Autonomous) Trichy-17	National	2020	Participated
11.	National Webinar on “ “Recent trends in Biopharmaceuticals and Green Nanotechnology”	PG Department of Botany The New College Chennai	National	2020	Participated
12.	Webinar on “Phytoremediation Technologies: An over view”	PG Department of Chemistry A.P.C. Mahalaxmi College for Women, Thoothukudi.	National	2020	Participated
13.	Webinar on “Marine Bio-Prospecting”	Department of Botany Holy Cross College (Autonomous) Trichy-2	-	2020	Participated
14.	Webinar on “ Combat the pandemic stress through Yoga”	Holy Cross College (Autonomous) Trichy-2	-	2020	Participated
15.	FDP webinar series - III	UGC Stride Component I Holy Cross College (Autonomous) Trichy-2	-	2020	Participated
16.	National Webinar on “Diversity and Distribution of Pteridophytes in India”	Department of Botany Holy Cross College (Autonomous) Trichy-2	-	2020	Participated

17.	Webinar on “The Implications of the NEP 2020 for Higher Education and Role of Teachers”	Holy Cross College (Autonomous) Trichy-2	-	2020	Participated
18.	A three day International webinar Series on “Unlocking approaches in Biological Research”	PG and Research Department of Botany and Biotechnology St. Joseph’s College (Autonomous) Trichy-2	International	2020	Participated
19.	Webinar series on “Androgogy of online teaching”	Internal quality Assurance Cell (IQAC) Holy Cross College (Autonomous) Trichy-2	-	2020	Participated
20.	Webinar series on “ Remote Classrooms- Digital Technology in Teaching Learning”	Internal quality Assurance Cell (IQAC) Holy Cross College (Autonomous) Trichy-2	-	2020	Participated
21.	Webinar series on “ Seed and weed nurturing relationships”	HCCares Holy Cross College (Autonomous) Trichy-2	-	2020	Participated
22.	Webinar on “Menstrual Hygiene & Reproductive Health care”	HCC Alumnae Association Holy Cross College (Autonomous) Trichy-2	-	2020	Participated
23.	Webinar on "Obesity and its role in Breast Cancer”	CICRSD Holy Cross College (Autonomous) Trichy-2	-	2020	Participated
24.	Webinar on " Emotional Management during Crisis”	Red Ribbon Club Holy Cross College (Autonomous) Trichy-2	-	2020	Participated
25.	Webinar on “Discover Your Values : COVID-19 ”	Department of Value Education Holy Cross College (Autonomous) Trichy-2	-	2020	Participated

26.	Webinar series on “Risks management in Times of crisis”	Internal quality Assurance Cell (IQAC) Holy Cross College (Autonomous) Trichy-2	-	2020	Participated
27.	Webinar on “ Invitro production of secondary metabolites”	Department of Botany Holy Cross College (Autonomous) Trichy-2	-	2020	Participated
28.	Webinar on “ Protecting research inventions through intellectual property rights”	Department of Botany Holy Cross College (Autonomous) Trichy-2	-	2020	Participated
29.	National Webinar on “Diversity and Distribution of Pteridophytes in India”	Department of Botany Holy Cross College (Autonomous) Trichy-2	National	2020	Participated
30.	International Webinar on “Phytochemicals as an Antibiotic Alternative to Combat MDR”	Department of Botany Holy Cross College (Autonomous) Trichy-2	International	2020	Participated
31.	Webinar on “Addressing Challenges in Higher Education through the OBE mode”	Holy Cross College (Autonomous) Trichy-2	-	2021	Participated
32.	National Seminar on “Phytomedicine and Nanomaterials in Plant Sciences”	Holy Cross College (Autonomous), Trichy -2	National	2022	Participated
33.	One day Conference on “Challenges and Opportunities in Life Sciences” organized by the School of Life Sciences	Holy Cross College (Autonomous), -2	National	2023	Participated
34.	One Day work shop on “Raman Spectrometer Techniques”	Holy Cross College (Autonomous), -2	-	2024	Participated
35.	International symposium on	Holy Cross College	-	2024	Participated

	“Microbiome & Transformative Biology: Exploring the future of life sciences”	(Autonomous) -2			
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