

CAUVERY COLLEGE FOR WOMEN
(AUTONOMOUS)
STAFF PROFILE

PERSONAL INFORMATION

1. Name : Dr. M. Keerthiga

2. Date of Birth : 25/07/1987

3. Address :

Residential	Office
1/25, North Street, Thenur (PO), Alathur (TK), Perambalur (DT) – 621114.	

ACADEMIC INFORMATION

4. Designation & Department: Assistant Professor, Department of Biotechnology

5. Educational Qualification: M. Sc., M. phil., P.hD., SET

Degree	Year	College/University
M. Sc., Biotechnology	2009	Muthayammal College of Arts and Sciences College, Rasipuram.
M.Phil. Classical Taxonomy and Molecular Systematics	2010	St. Joseph's College (Autonomous), Trichy-02
P.hD., Biotechnology	2016	National College (Autonomous), Trichy- 01
SET Biotechnology	2012	Bharathiyar University

6. Researcher ID :

Web of Science Researcher ID - [ACS-9677-2022](https://orcid.org/0000-0001-8781-2754)

Google Scholar ID: https://scholar.google.com/citations?hl=en&user=6F-9fSgAAAAJ#d=gs_hdr_drw&t=1650351579576

Orcid id : <https://orcid.org/0000-0001-8781-2754>

7. Experience : 1 year and 10 months

Date of Joining	Institution	Year of Experience
14-06-2017 to 14 -4-2019	Nehru Memorial College (Autonomous), Puthanampatti	1 year and 10 months
15-07-2021 to till date	Cauvery College for Women (Autonomous), Trichy	1 year and 7 months

8. Areas of Specialization : Plant Tissue Culture, Phyto-Pharmacology, Nano Technology and Microbial techniques

9. Languages known : Tamil (Read, Write), English (Read, Write)

10. Subjects Taught :

UG	rDNA technology, Biochemistry, Bioinformatics, Bioinstrumentation
PG	Immunology, Molecular Biology and Genetics, Microbiology, plant Biotechnology
MI.Phil	-

11. Research Supervision:

	Thesis Completed	Pursuing
M.Phil		
P.hD		

12. Details of Publications:

Journal Name & Volume	Year of Publication	ISBN Number	Name of the Paper	Impact Factor
Bulletin of Environment, Pharmacology and Life Sciences	2022	2277-1808	Comparison of Antibiotic-Resistant E. coli Isolated from Clinical and Marine Environment	0.971
Indian Journal of Natural Sciences	2022	ISSN: 0976 – 0997	A Comparative Study on the <i>Invitro</i> Wound Healing Potency of Ethanolic Leaf Extract of <i>Cycleapeltata</i> and	-

			<i>Tiliacoraacuminata</i>	
International Journal of Botany Studies	2021	ISSN : 2455 – 541X	In vitro studies on characterization of Polyhydroxybutyrate	-
Journal of Applied Biology and Biotechnology	2020	ISSN Print: 2455-7005, ISSN Online: 2347-212X	Comparitive investigation on antimicrobial and phytochemical profiling of <i>Cyclea peltata</i> and <i>Tiliocora Acuminata</i> .	0.85
Adalya journal	2019	ISSN NO: 1301-2746	Phytochemical profiling and free radical scavenging activity of <i>Tiliacora acuminata</i> - An medicinal plant	5.3
Journal of Emerging Technologies and Innovative Research	2018	(ISSN-2349-5162)	Wound Healing Potential Of Medicinal Plants From Periyakombai Hill Area, Namakkal District, Tamil Nadu	7.95
International Journal of Pharmacological Research	2015	2277-3312	Bioactive Compound Evaluation of Ethanol Extract from <i>Geodorum densiflorum</i> (Lam.) Schltr. By Gc-MS Analysis	-
Advances in Applied Science Research	2015	0976-8610	Anti-infective and Anti-biofilm Activity of <i>Geodorum densiflorum</i> (Lam.)	-

			Schitr. Against Methicillin Resistant and Sensitive Staphylococcus aureus	
International Journal of Pharmaceutical Sciences and Research	2015	ISSN (Online): 0975-8232, ISSN (Print): 2320-5148	Study on Preliminary Phytochemical and Antibacterial Activity against Human Pathogens of an Endangered Orchid - Habenaria plantaginea Lindl.	0.27
American Journal of Phytomedicine and Clinical Therapeutics,	2014	ISSN: 2321-2748	Antifungal Activity of Geodorum densiflorum (Lam.) Schltr. Against pathogenic Fungi.	1.15
Journal of Research in Biology	2014	ISSN: Print: 2231-6280; Online: 2231-6299	A Review on Ethnomedicinal, Photochemical and Pharmacological Studies of Geodorum densiflorum (Lam.) Schltr. An endangered orchid.	-
International Journal of Pharmacy and Pharmaceutical Sciences,	2014	Online ISSN: 0975-1491 Print ISSN: 2656-0097	Physicochemical, Preliminary Phytochemical Analysis and Antibacterial Activity against Clinical Pathogens of Medicinally Important Orchid	5.016

			Geodorum densiflorum (Lam) Schltr.	
American Journal of Pharmtech Research	2014	ISSN: 2249-3387	A Comparative study on Antimicrobial Activity of Argemone mexicana Linn. and Aerva javanica (Burm.F.) Juss. Ex. Schult.,	-
International Journal of Current Biotechnology	2014	ISSN: 2321-8371	Callus induction and in vitro regeneration of Ctenolepis garcinii (Burm.f.) Clarke – an important medicinal climber	-
Wudpecker Journal of Agricultural Research	2013	eISSN : 2315-7259	Effect of foliar application of diammonium phosphate (DAP), potash (K) and naphthalene acetic acid (NAA) on growth, yield and some biochemical constituents of Vigna mungo (L.) Hepper.	
Asia Pacific Journal of Molecular Biology and Biotechnology,	2012	ISSN:0128-7451, eISSN:2672-7277	In vitro propagation of Wedelia trilobata (L.) using Phormidium subincrustatum extracts: A novel approach	-

Research Journal of Agricultural Sciences	2012	P- ISSN: 0976-1675 E- ISSN: 2249-4538	Determination of Phytohormones in Phormidium subincrustatum: An Cyanobacteria	-
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13. Details of Papers Presented:

Date & Venue	Name of the Seminar	Paper Name
05-02-2015 Department of Botany, St. Joseph's College (Autonomous), Trichy	NASYMP'15	Phytochemistry, Antioxidant and Antibacterial studies on <i>Carulluma umbelata</i> – An medicinal herb
!0-01-2013 to 11-01-2013 Department of Botany, St. Joseph's College (Autonomous), Trichy	International Conference on Sustainable Utilization, Management and Conservation of Bioresources (ICSMCB_2013)	Purification and Optimation of fungal amylase from Coimbatore, Tamil nadu.
17-03-2012 Department of Microbiology and Biotechnology, Jamal Mohamed College (Autonomous), Trichy	Emerging Advancements in Biosciences	Purification and Characterization of an Extracellular Keratinase from Horn Meal Degrading <i>B. subtilis</i> .
28/10/2021 & 28/10/2021, Department of Studies in Microbiology, Karnataka State Open University, Mysuru in Collaboration with Microbiology & Fermentation Technology Department, CSIR-Central Food Technological Research Institute, Mysuru	Gut- Brain – Health Connections	Antibacterial, Phytochemical, Antioxidant and Antibiofilm Activity of <i>Wattakaka Volubilis</i> (L.F.) <i>Stapf</i> .

14. Details of Seminars / Conferences / Workshops Attended:

Date & Venue	Title	National / International	Topic
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17-02-2010 to 02-03-2010 St. Joseph's College (Autonomous), Tiruchirappalli	Molecular Training Programme	State level Workshop	-
31-01-2013 to 02-02-2013 Cauvery College For Women, Tiruchirappalli	Thrust Areas in Life Sciences	State level Lecture Workshop	-
04-03-2013 St. Joseph's College (Autonomous), Tiruchirappalli	Pharmacognostical Screening of Medicinal Plants	State level Workshop	-
24-07-2014 to 25-07-2014 National College, Tiruchirappalli	Recent Innovation and Future Trends in Biology	National level Conference	-
26-09-2014 St. Joseph's College (Autonomous), Tiruchirappalli	Plant Taxonomy Key Preparation	State Level Training Workshop	-
30-01-2015 to 31-01-2015 St. Joseph's College (Autonomous), Tiruchirappalli	Vistas in Biosciences	State level Lecture Workshop	-
18-12-2017 to 19-12-2017 Nehru Memorial College, Puthanampatti.	Emerging Vistas in Plant Sciences	State level Workshop	-
22-03-2018 to 24-03-2018 Trichy SRM Medical College Hospital and Research Centre, Irungalur, Trichy	Research Methodology	National level Workshop	-
23-03-2019 Sankara College of Science and Commerce, Coimbatore	The Art of Writing Winnable Project Proposal For Funding	State level Workshop	-
31/07/2021 Bijni College, Bijni, College Environment and Climate Cell and Eco Club, Bijni	Environment, Bioremediation and Scientific Mushroom	State level Workshop	-

College and supported by Assam Science Technology and Environment Council (ASTECC), Department of Science & Technology, Govt. of Assam	Cultivation		
6 th to 8 th Aug, 2021, Department of Botany, M.R. Government Arts College, Mannargudi.	Recent trends in organic farming for Horticulture crops to rural college students and farmers	State level Workshop	-
10 th Aug, 2021, Department of Botany, G. Venkatasamy Naidu College, Kovilpatti.	Phytoremediation	State level conference	-
12 th Aug, 2021, University College of Arts and Science, Krishna University, Machilipatnam	Bioinformatics and Molecular Tools to understand Plant Genome Diversity	National level conference	-
Sept 27-28, 2021, Department of Microbiology, The Madura College (Autonomous), Madurai.	A Juncture of Classical and Contemporary Research in Biological Sciences	State level conference	-
Oct 5, 2021, Department of Biochemistry, St. Joseph's College (Autonomous), Trichy.	Intellectual Property Rights- Patents and Designs Process	State level conference	-
21 st -22 nd Dec 2021, Department of Biotechnology, Manonmaniam Sundaranar University, Tirunelveli.	Emerging Innovations and Entrepreneurship in Biotechnology	State level conference	-
22, 23 & 26 th January	Environmental, Agricultural,	State level	-

2022, Voice of Indian Concern for the Environment (VOICE)	Chemical and Biological Science	conference	
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16. Details of Orientation / Refresher Course Attended:

Date	Title of the Course	Organizer
11-06-2018 to 12-06- 2018	Faculty Development Program	Nehru Memorial College, Puthanampatti