

CAUVERYCOLLEGE FOR WOMEN

(AUTONOMOUS)

STAFF PROFILE

1. **Name** : Dr.B.THAMILMARASELVI

2. **Date of Birth** : 31.05.1969

3. **Address** :

Residential	Office
No.106, B – Block, SIS Acropole, Edamalaipattipudur, Trichy – 620012	Cauvery College for Women, Annamalai Nagar, Trichy – 18

ACADEMIC INFORMATION:

4. **Designation & Department** : Professor and Head
Department of Microbiology

5. EDUCATIONAL QUALIFICATION:

Degree	Year	College/ University
B.Sc.,	1989	Holycross College, Trichy
M.Sc.,	1991	Seethalakshmi Ramaswamy College, Trichy
B.Ed.,	1992	Annamalai University,Chidambaram
SLET.,	2000	Bharathidasan University, Trichy.
M.Phil.,	2006	Manonmanium Sundaranar University, Thirunelveli.
Ph.D.,	2012	Bharathidasan University, Trichy

6. Researcher ID:

Google Scholar ID: qfrxn9QAAAAJ&hl

Scopus ID: 57201552273

WEB OF SCIENCE RESEARCHER ID: <https://publons.com/dashboard/records/publication/import/>

ORCID ID : <https://orcid.org/0000-0002-0087-2736>

VIDWAN ID : <https://vidwan.inflibnet.ac.in/profile/205698>

MENDELEY : https://www.mendeley.com/search/?query=thamilmaraiselvi&dgcid=md_homepage

PUBLONS : https://www.mendeley.com/search/?query=thamilmaraiselvi&dgcid=md_homepage

7. Experience:

Experience	Institution	Year of Experience
Date of Joining 06.12.1997	Cauvery College for Women, Annamalai Nagar, Trichy – 18	23 years

8. Area of Specialization : Pharmacognosy

9. Language Known : Tamil & English

10. Subjects Taught

UG	Biochemistry, Immunology, Ethano Medicine, Organic Farming and Environmental Science
PG	General Biochemistry, Immunology, Microbial Physiology, Bio Chemical Changes in diseases.

11. Details of Publication

Journal Name & Volume	Year of Publication	ISBN Number	Name of the paper	Impact Factor
International Journal of Ecotoxicology and Environmental Monitoring, Vol. 20, Issue 5	2010	0971-420	Production of Bioenergy using Glue Industry Solid Waste	-
International Journal of Ecotoxicology and Environmental Monitoring, Vol. 20, Issue 5.	2010	0971-420.	Bioinsecticidal activity of <i>Beauveria bassiana</i> (Balsamo) against the Coffee Berry Borer.	-
International Journal of Advanced Plant Sciences Vol. 24, Issue 11	2011	0970-3586	Preliminary phytochemical investigation and antimicrobial activity of the leaves of <i>Clerodendrum phlomidis</i> .	2.7

International Journal of Advanced Plant Sciences Vol. 24, Issue 11	2011	0970-3586	Preliminary phytochemical investigation and antimicrobial activity of <i>Sphaeranthus indicus</i> Linn.	2.7
Joseph's international Journal of Biological sciences. Vol. No.1	2012	2278-6570.	Preliminary phytochemical investigation and in vitro antimicrobial activity of Alcoholic Extract of <i>Bougainvillea clivar.</i>	-
Joseph's International Journal of Biological Sciences. Vol.1	2012	2278-6570.	Production of Bacitracin from <i>Bacillus gibsonii</i> (From infected tomatoes) <i>in vitro</i> assay against Soft Rot Pathogens	-
Joseph's International Journal of Biological Sciences. Vol.1	2012	2278-6570.	Production of Laccase Enzyme from Bacterial isolate using Banana Peel & Sugarcane Molasses	-
Joseph's International Journal of Biological Sciences. Vol.1	2012	2278-6570.	Preliminary phytochemical investigation and invitro antimicrobial activity of the leaves of <i>Solanum nigrum</i>	-

Emerging novel avenues opportunities in modern biological sciences	2013	2250-2815	Isolation and Optimization of Cellulose utilizing bacteria from soil <i>Aspergillus sp.</i>	-
Joseph's International Journal of Biological Sciences. Vol.2	2014	2278-6570.	Efficacy of bacterial isolates on the physiochemical parameters of the textile effluent.	-
Joseph's International Journal of Biological Sciences. Vol.2	2014	2278-6570	Isolation of marine sponge associated <i>Streptomyces sp</i> and its antagonistic studies.	-
Joseph's International Journal of Biological Sciences. Vol.2	2014	2278-6570	Screening of lignin degradation capabilities of white rot fungi (<i>Phanerochaetechrysosporium</i>)	-
Joseph's International Journal of Biological Sciences. Vol.No.2	2014	2278-6570.	Isolation, Screening and Production of Tannase from the invisible yet invincible.	-

World journal of pharmacy and pharmaceutical sciences. Vol.3. Issue no.3.	2014	2278-4357.	Cultivation of medicinal mushroom (<i>Pleurotus</i> spp.) using paddy straw.	2.786.
WIDE SPECTRUM – Research Journal	2014	2250-2815	Isolation and Optimization, production and characterization of amylase from <i>Aspergillus sp.</i>	-
International Conference on Biotechnological innovations towards Global Development.	2014	2249 – 6807.	A Comparative Study between Fungal and Bacterial Isolate for the production of Tannase Enzyme.	-
International Conference on Biotechnological innovations towards Global Development.	2014	2249 – 6807	Monitoring of Mycotoxins in Spices essential to promote healthy living	-
Global Journal of Research & Vol 6	2017	2277 – 8160	Screening of Virulence and Toxin Genes In <i>AeromonasHydrophila</i>	-
International Journal of Research in Pharmaceutical Sciences & Vol 9	2017	0975-7538	Low cost pre-treatment of lignocellulosic waste by white rot fungi for ethanol production using <i>Saccharomyces cerevisiae</i>	0.1

Asia-Pacific Journal of Research &Vol 1	2017	2347-4793	Extraction and Partial Purification of Lactase Enzyme from Lactobacillus Sp. Isolated from Curd Sample	-
National Journal of Physiology, Pharmacy and Pharmacology &Vol 8	2018	2320-4672	Investigation of phytochemical constituents in <i>Spirulina fusiformis</i> for antibacterial activity	0.17
National Journal of Physiology, Pharmacy and Pharmacology &Vol 8	2018	2320-4672	Investigation of phytochemical constituents in <i>Azollamicrophylla</i> for antibacterial activity	0.17
Research Journal of Pharmacy and technology &Vol 8	2018	0974-3618	Studies on the Effect of Phosphate Solubilizing Fungi on Soil and Plant Nutrient and Growth of Tissue Cultured Banana	0.13
World Journal of Pharmacy and Pharmaceutical Sciences &Vol 7, Issue 4	2018	2278-4357	Micropropagation of <i>Plumbago zeylanica</i> - An Important Medicinal Plant	7.41
International Journal of Botany Studies & Vol 4	2019	2455-541X	Effects of various plant growth regulators and ampicillin activity on <i>in vitro</i> propagation of <i>Plumbago zeylanica</i> : An important medicinal plant of south India-Kolli hills	5.12

Int J Pharm Sci & Res & vol 3	2020	0975-8232	Assessment of antibacterial and antioxidant activity of whey protein and quantification by reverse phase HPLC	1.230
J. Pharm. Sci. & Res. & Vol 12	2020	0975-1459	Phytochemical evaluation, GC-MS analysis of phytoactive compounds and antibacterial activity studies from <i>Calotropis gigantea</i> .	0.13
Research Journal of Pharmacy and Technology	2020	0974-3618	Characterization of Actinobacteria isolated from salt pan, Environment of Thondi, Ramanathapuram District	0.13
Journal of the Maharaja Sayajirao University of Baroda	2021	0025-0422	Study on Bacterial Slime Deposit Growth In Paper Machine Wet End And Control By Conventional And Oxidized Biocide	-
Kala Sarovar	2021	09755-4520	Characterization And Properties of Bacterial Slime Located in Save All and Broke Handling System of Wet End	-
Int. J. Life Sci. Pharma Res	2021	2250-0480	Formulation of Anti-Fungal Cream to Treat Onychomycosis	-

12. Details of Papers Presented:

Date	Organizer	Name of the Seminar	Paper Name
15.02.2012	Shree Narayana Guru College, Coimbatore	National conference on Innovative approaches in Biosciences	Biofuels
17.02.2012 & 18.02.2012	Cauvery college for women & Bharathidasan university	National symposium on Prospects and Retrospects in Microbial Technology	Isolation and identification of antibiotic producing <i>Streptomyces sp</i> ICN 15 from marine sponge, Biochemical and media optimization studies.

13. Details of Seminar / Conference / Workshop Attended

Year and Date	Organizer	Title
16 th November 2002	PonnaiyahRamajayam College, Thanjavur	Workshop on Detection and prevention of Adulteration in Food Stuffs.
12 th September 2011	Dept of Marine Biotechnology Bharathidasan University	International Conference on Recent Advances in Molecular Biology Techniques
15 th Feb 2012	Organized by Dept of Microbiology “Sree Narayana Guru College – Coimbatore”	National Conference on “Innovative Approaches in Biosciences”
25 th and 26 th Feb 2013	Department of Microbiology Bharathidasan University Trichy	National Seminar on Cutting edge Microbial Research and Challenges
March 1 st 2 nd 2013	Dept of Microbiology M.R. Govt. Arts College, manargudi	Two days National Conference on Emerging Novel Avenues and Opportunities in Modern Biological Sciences
1 st 2 nd March 2013	Dept of Biochemistry St.Joseph’s College (Autonomous), Trichy	Two days National Seminar on “Therapeutic Biocompounds (NSTB – ‘13)”
6 th 7 th January 2014	School of Biological Sciences St.Joseph’s College (Autonomous), Trichy	National Conference on Advances in Biology (NCAB – 2014) Sponsored by UGC New Delhi.
8 th and 9 th September 2017	Dept of Biotechnology & Bioinformatics, Bishop Heber College (Autonomous) Trichy.	International Conference (DST-SERB Sponsered) on Fronters in Nano-Biotechnology (ICFNB’ 17)
8 th Feb 2018	Dept of Biochemistry St.Joseph’s College (Autonomous) Trichy	International Collaquia on “Bionanomaterials and bionanotechnology (ICBB – ’18)
15 th December 2018	Dept of Biochemistry St.Joseph’s College, (Autonomous) Trichy.	Regional Workshop on Histopathological Techniques (HITECH’ – 18)

14. Details of Seminars / Conferences / Workshops Organized:

Year & Date	Organizer	Title	National / International
16th November, 2002	Ponnaiyah Ramajayam College, Thanjavur	Worshop on Detection and Prevention of Adulteration in food stuffs	National
30-31st January, 2007	Bharathidasan University, Trichy.	National seminar on Current developments in the hottest areas of biological sciences	National
18-19th September, 2009	School of life sciences, Bharathidasan University, Trichy.	National Seminar on Immunotechnology,	National
13-14th August 2015	Curriculum Development Cell, Bharathidasan University, Trichy.	Workshop on “Innovative Curriculum Designing and Evaluation”	National
23- 24 January, 2018	Plant And Microbial Bioresources and Their Conservation	Cauvery College for Women, Trichy.	National
15th December, 2018	The Department of Biochemistry, St. Joseph’s College (Autonomous), Trichy	Regional workshop on Histo pathological Techniques (HITECH-‘18)	Regional
26-27 September 2019	Cauvery college for women (Autonomous) and Tamil Nadu state council for science and technology (TNSCST), Chennai.	Technical workshop on “Intellectual property rights”	State level

15. Details of Orientation / Refresher Course Attended:

Date	Title of the Course	Organizer
1.11.2004-21.11.2004	Refresher course in Microbiology	Bharathidasan University, Trichy.
23.11.2015-28.11.2015	Short-term course on curriculum Development, Educational Technology and Evaluation Techniques	UGC – Human Resource Development Centre, Bharathidasan University, Trichy.

04.01.2018- 18.01.2018	UGC - Sponsored Science Academics' Refresher Course on "Bioprospection of Bioresources: Land to Lab Approach".	St. Joseph College, Trichy.
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16. Details of Study Materials / Books Written and Published

- Scientific basis of Herbal Medicine 2012 ISBN : 978-9-351-30074-8; Copyright Daya Publication Coimbatore.
- Published a book chapter on Research Trends in Multidisciplinary Research (Volume - 18). 2020. AkiNik publications. ISBN: 978-93-90217-36-6.
- Published a book chapter entitled "Production and characterization of Nisin by Lactococcus lactis "in Advances in Science and Technology, Vol.1, Page No. 117-127, ISSN: 978-81-952337-6-2, June 2021, Ryan Publishers, Trichy, India.
- Published a book chapter entitled "Assessing the biopotential ability of Ixora coccinea flower" in Advances in Science and Technology, Vol.1, Page No. 419 - 450, ISSN: 978-81-952337-6-2. June 2021, Ryan Publishers, Trichy, India.
- A book entitled "A Textbook of Pharmacognosy" ISBN: 978-93-93253-11-8, Ryan Publishers, Trichy-18.
- A book chapter entitled "Comparative assessment of antimicrobial and antioxidant potentiality of probiocated cabbage and radish juice" on Advances in Science and Technology, Volume - III, ISBN: 978-93-93253-50-7, Ryan Publishers, Trichy-18.
- A book entitled "Computer Applications in Biology" on ISBN- 978-81-19587-71-1, EISBN- 978-81-19587-81-0, Ryan Publishers, Trichy-18.
- A book chapter entitled "Bioinformatics: Emerging applications in day to day life a novel approach" on Recent Trends in Multidisciplinary Research Vol 2., ISBN: 978-81-19587-63-6., Ryan Publishers, Trichy-18.

17. Details of Chairing as Resource Person:

Date	Title of the Seminar / conference	Session Chaired
19.02.2016	Acted as Resource Person on Faculty Development Programme on Testing Hemoglobin level	-

18. Administrative Positions held in the College:

Nature of Position	Year
Academic Council Member	2019 onwards
Admission Committee Member	2019 onwards
Library Committee Member	2019 onwards
Academic Audit Committee Member	2019 onwards
Research Committee Member	2019 onwards

19. Details of Participation in Consultancy, Training, Development etc.:

- Acted as a Bharathidasan University Subject Expert Representative Member (Research commission) for permanent affiliation of UG Department of Microbiology, Kumbakonam Ithaya Women's College .
Acted as a Bharathidasan University Subject Expert Representative Member (Research Commission) for temporary affiliation of UG Department of Microbiology, Puthukottai, Ariyur, Mahathma Arts and science College .
- Acted as a Bharathidasan University Subject Expert Representative Member (Research Commission) for temporary affiliation of PG Department of Microbiology, Sir Isaac Newton College of Arts & Science, Nagappattinam.
- Acted as a Bharathidasan University subject expert Representative Member (Research Commission) for permanent affiliation of PG Department of Microbiology, Karur, Kongu Arts and Science College with Bharathidasan University.

20. Details of Memberships in Academic Bodies / Board of Studies:

- Acting as Board of Studies member for UG and PG Microbiology, Bharathidasan University (2009 – 2012, 2012-2015, 2015-2017, 2019-2021)
- Acting as Chairman Board of Studies for UG/PG Microbiology 14.08.2017 to 31.03.2018 Bharathidasan University.
- Acted as Chairperson Board of Studies for UG Microbiology, from Bharathidasan University Representative to Tamilnadu State Council for Higher Education Chennai on 05.06.2018.
- Acting as Board of Studies member for UG and PG Microbiology as University Representative for AVC College Autonomous, Manapandal, Mayiladuthurai for the year 2018-2021.

21. Details of Membership of Professional Bodies:

- Life-time member in Indian Society of System for Science and Engineering (ISSE), Coimbatore-Trichy Region
- Life-time member in Microbiological Society MS/LM/1057

22. Any other information if any:

- Cleared online exam ARPIT in “**Organic farming**”
- Completed **Certificate course** in *Stress management-online course* and *Fundamentals offashion designing-online course*
- Webinar Attended : International – 20 National -40 Workshop - 2
- Training and FDP programme (1 week) – 2

RESEARCH PROJECTS:

TITLE OF THE PROJECT	FUNDING AGENCIES	DURATION	AMOUNT SANCTIONED	STATUS
In-vitro studies on the antioxidant, antimicrobial and cytotoxic activity of the weed plant <i>Spaeranthus indicus</i>	UGC	2012-2014	1,00,000	Completed
Phyto chemical Investigation and the Protective Effect of <i>Spirullina fusiformis</i> on Hepatocellular Carcinoma using HEP-G2 Cell lines	UGC	2016-2018	1,50,000	Ongoing
Assessment and microbial investigation of raw milk and pasteurized milk and Determination of adulterants. (Principal Investigator)	TNSCST	2017	10,000	Completed