

# PROFILE



- 1. Name** : Dr. B. MANIMEGALAI
- 2. Address (Residential)** : 19C- South St, Ashesam,  
Mannargudi-614001  
**Mobile: 77089372510**  
**e-mail:manimegalai.b@gmail.com**
- 3. Designation** : **Assistant Professor**
- 4. Department** : **Biochemistry**
- 5. Age & Date of Birth** : **34 Years & 21.07.1988**
- 6. Area of Specialization** : **Phyto pharmacology**
- 7. Educational Qualification** : **M.Sc., M.Phil., Ph.D., PGDBI., DMLT**

Exam Passed	Board/University	Subjects	Year of Passing	Division/Grade
S.S.L.C	State Board	Tamil, English, Maths, Science, Social science,	2003	74.3%
H.S.C	State Board	Tamil, English, Maths, Biology, Physics, Chemistry	2005	56%
B.Sc	Bharathidasan University, Tiruchirapalli	Biochemistry	April-2008	69% 1 <sup>st</sup> class
M.Sc	Bharathidasan University, Tiruchirapalli	Biochemistry	April-2010	783.4% 1st class
M.Phil	Bharathidasan University, Tiruchirapalli	Biochemistry	May-2011	83.27% 1 <sup>st</sup> class <b>with Distinction</b>
Ph.D	Bharathidasan University, Tiruchirapalli	Biochemistry	May-2018	<b>Commended</b>

### 8. Total Teaching Experience as on 30.10.2023: (4 Years 10 months)

S. No	Name of the Institution	From	To	Experience
1.	Enathi Rajappa Arts and Science College, Enathi.	09.07.2018	25.08.2022	3 years and 8months
2.	Sengamala Thayaar Educational Trust women's college (Autonomous), Sundarakkottai, Mannargudi	26.08.2022	Till Date	1 Year 2months

### 9. Teaching Experience on Papers handled

S.No	Name of the Institution	From	To	Papers Taught
1.	Enathi Rajappa Arts and Science College, Enathi.	09.07.2018	25.08.2022	Biomolecules, Biochemical Techniques, Human Physiology, Pharmaceutical Biochemistry, Clinical Biochemistry, Bioenergetics and Metabolism, Basic Biotechnology, Microbiology, Herbs and Drug Action, Analytical Techniques, Genetic Engineering, Cell Biology and Physiology, Immunology, Biotechnology, Biostatistics, Bioinformatics, Endocrinology, Enzymes, Molecular biology.
2.	Sengamala Thayaar Educational Trust women's college (Autonomous), Sundarakkottai, Mannargudi	26.08.2022	Till Date	Basic Biotechnology, Cell Biology, Plant Biochemistry, Genetic engineering, Traditional medicine, Herbal product development, General biochemistry & nutrition.

## 10. Orientation/Refresher courses attended:-

S. No	Orientation Programme/ Course attended	Place	Duration	Sponsored by
1.	UGC-Sponsored Refresher Course in Biochemistry & Biotechnology	Bharathidasan University, Tiruchirapalli. (on line mode)	07.10.2022 (Friday) to 20.10.2022 (Thursday).	UGC-HRDC, Bharathidasan University
2.	UGC-Sponsored Online Short Term Course in Outcome based education.	Bharathidasan University, Tiruchirapalli. (on line mode)	20.09.2023 (Wednesday) to 26.09.2023 (Tuesday).	UGC-HRDC, Bharathidasan University

## 11. Conferences attended:

08

1. Participated in the INTERNATIONAL CONFERENCE ON NATURAL THERAPEUTICS organized by DharmapuramGnanambigaiGovt.ArtsCollege (w), Mayiladuthurai, 2020.
2. Participated in the REGINAL WORKSHOP ON HISTOPATHOLOGICAL TECHNIQUES organized by St.Joseph's College, Trichy.2020
3. Participated in the international virtual conference on CURRENT TREANDS IN COMPUTATIONAL AND EXPERIMENTAL BIOLOGY organized by Bishop Heber College, Trichy.2021.
4. Presented a paper in the “**International Conferences on Recent Advancements in Therapeutics ICRAT-2022**” conducted by Dept of Biochemistry,Shrimathi Indira Gandhi College,Tiruchirappalli on 17.08.2022.
5. Presented a paper in the “**International Conferences on Phytotherapeutics (ICPT-2023)**” conducted by PG and Research Dept of Biochemistry in association with IQAC, S.T.E.T. Women's college (Autonomous), Sundarakkottai, Mannargudi on 10.02.2023.
6. Presented a paper in the “**International Conferences on“Converging Research Approaches in Life Sciences for Future Advancement (CRALSFA - 2023)**” conducted by PG and Research Dept. of Microbiology in association with IQAC, S.T.E.T. Women's college (Autonomous), Sundarakkottai, Mannargudi on 15.02.2023.
7. Presented a paper in the “**National Conferences on “Recent advances in Chemistry”(NCRAC-2023)**” conducted by PG and Research Dept of Chemistry in association with IQAC, S.T.E.T. Women's college (Autonomous), Sundarakkottai, Mannargudi on 07.03.2023.
8. Presented a paper in the “**National Conferences on “Recent advances and value addition in Food Processing**” conducted by PG and Research Dept of Nutrition and Dietetics in association with IQAC, S.T.E.T. Women's college (Autonomous), Sundarakkottai, Mannargudi on 23.03.2023

## 12. Seminars Attended: 11

1. Participated in the 20<sup>th</sup> congress of Bio medical laboratory science organized by AIIMT.
2. Participated in Emerging trends in Biochemistry and Hospital Management organized by Indian Medical Association, Trichy branch.
3. Attended workshop on Immunology and Electrophoresis techniques.
4. Participated in Herbal Focus 2010 organized by Srimad Andavan College, Trichy.
5. Participated in the Hands on training programme in LABORATORY ANIMAL HANDLING organized by St.Joseph's college, Tiruchirappalli.2015
6. Participated in the one day national seminar sponsored by the ICMR, New delhi.2017
7. Participated in the Face painting competition in ELUTEADUS Exploring Life Sciences conducted by Holy Cross College, Tiruchirappalli. 2019
8. Participated in the DrKalam Vision 2020-All India National Development conference & nonstop 220 hours continuous seminar on 30 different topics organized by Moral Research and Resource foundation is proud to honour entitled WORLD RECORD HOLDER AWARD 2020 held at M.A.M School of engineering , Trichy.
9. Participated in the National Level Seminar On NOVEL APPROACHES AND FUTURE ASPECTS FOR CANCER THERAPY organized by Marudupandiyar college, Thanjavur.2020
10. Participated in the National Seminar on CURRENT SCENARIO IN BIOLOGICAL SCIENCE organized by MeenakshiChandrasekaran college,Pattukkottai.2020
11. Participated in the REGINAL WORKSHOP ON HISTOPATHOLOGICAL TECHNIQUES organized by St.Joseph's College, Trichy.2020

## 13. Workshops attended: 04

1. Participated in the two day hands on training programme in **Laboratory Animal handling (On care, breeding management & Ethics)** organised by the Department of Biochemistry, St.Joseph's College (Autonomous) Tiruchirappalli.
2. Participated in the two day hands on training programme in "Training on Manufacturing of Water based Paints" Organized by PG and Research Dept of Biochemistry and Chemistry S.T.E.T. Women's college (Autonomous), Sundarakkottai, Mannargudi on 04.03.2022 – 05.03.2022.

3. Participated in a workshop on Assessment of Outcome Based Education organized by IQAC, S.T.E.T. Women's college (Autonomous), Sundarakkottai, Mannargudi on 04.06.2022.

4. Participated in the Three Days workshop on Statistical Applications organized by IQAC and R&D Cell, S.T.E.T. Women's college (Autonomous), Sundarakkottai, Mannargudi on 07.07.2022 – 09.07.2022.

#### **14. Faculty Development Programme attended:**

02

1. Faculty Development Training Programme on "Identification of Government and Non Government Funding agencies" organized by IQAC and R&D Cell, S.T.E.T. Women's college (Autonomous), Sundarakkottai, Mannargudi on 04.03.2023.
2. Faculty Development Programme on "IPR – Concepts to Compliance" organized by IPR Cell, S.T.E.T. Women's college (Autonomous), Sundarakkottai, Mannargudi on 07.10.2023.

#### **15. Training Programmes attended:**

#### **16. Invited talk / Guest Lectures:**

#### **17. Books / Book chapters published:**

#### **18. Research Articles Published:**

08

1. Green synthesis of silver nano particles using Azima tetra Cantha leaf extract and evaluation of their Anti-bacterial and invitroanti-oxidant activity ( **Nano Science and Nano Technology an International Journal** ), **April 2014**.
2. Larvicidal efficacy of Azima Tetra Cantha Leaves and its Silver Nano particles against Anopheles Stephensi. ( **World Journal of Pharmaceutical Research** ), **June 2015**.
3. In vitro anti-inflammatory studies on Silver Nano particles synthesized from Azima tetra Canthaleaf ( **World Journal of Science and Research** ), **September 2016**.
4. Determination of Bio active constituents of Azima tetra Cantha leaves extract using GCMS ( **International Journal of Scientific Research** ), **July 2017**.
5. Evaluation of Invitro Antidiabetic activity of Silver Nano particles synthesized from Azima tetra Cantha leaf. ( **Indian Journal of applied Research** ), **July 2017**.
6. Anti – stress activity of Asparagus rasemosus rhizomes against hydrogen peroxide induced oxidatives stress in erythrocytes. ( **Pharmana Research Journal** ), **2019**.
7. Evaluation of Anti-obesity activity of Gymnema Sylvestre Leaves Extract ( **Journal of Pharmacognosy and Phyto Chemistry** ), **2019**.
8. Chrysin pretreatment improves mitochondrial enzymes and angiotensin converting enzymes in L-NAME induced hypertensive rats ( **Current Trends in Biotechnology and Pharmacy** ), **July 2020**.

#### **19. Publications of papers in Proceedings of Seminars/Conferences etc.**

#### **20. Articles in Popular magazine:**

## 21. Research experience:

**Ph.D., -** The synthesis, characterization and evaluation of potential of silver nano particles synthesized from azima tetra cantha leaf extract.

**M.Phil.,-** Genetic diversity and analysis of mango cultivars.

**M.Sc., -** Comparative study of Anti-Diabetic effect of Metformin and Gilmepiride.

(As a project guide)

Course	University	College	Number of students
<b>M.Phil</b> (Biochemistry)	Bharathidasan University, Tiruchirapalli	Enathi Rajappa Arts and Science College, Enathi.	01
<b>M.Sc.,</b> (Biochemistry)	Bharathidasan University, Tiruchirapalli	Enathi Rajappa Arts and Science College, Enathi.	12

### Research experience in STET Women's College (A),Sundarakkottai.

#### **M.Phil., (Biochemistry) : 02**

1. **Ilaiyarani P.2022** A Study On Association Of Cryptococcus Gattii In Patients With Acquired Immunodeficiency Syndrome
2. **Sudhalakshmi G 2023** "Biological synthesis, Characterization of silver nanoparticles using Solanum trilobatum leaves and their anti cancer activity against hepato cellular carcinoma HepG2 cell lines

#### **M.Sc., (Biochemistry) : 03**

1. **Malathy M.2023.** Evaluation of in vitro cytotoxic activity of ethanolic leaves extract of Phyllanthus reticulatus on cancer cell lines
2. **Gayathri.G.2023.** plant leaf mediated synthesis of silver nanoparticles using phyllanthus reticulatus and its phytochemicals screening by FTIR spectroscopic analysis
3. **Aarthi .K 2023** Phytochemical characterization and assessment of ethanol extract from phyllanthus reticulatus leaves for antioxidant activity

#### **B.Sc., (Biochemistry) : 01( Group project)**

1. **Arivu Thendral, R. Dharshika, C. Nanthini, R. Sakthimathy, B. Sheela, M.**

"Comparative studies and Phytochemical analysis of the plant extracts of flower, seed and bark of *Millettia pinnata*"

## 22. Positions Held

PURPOSE	PLACE & YEAR
M.Phil. Biochemistry Research Adviser	Bharathidasan University, Trichy. (2020-Till date)
UG. Valuation Examiner	Bharathidasan University, Trichy. (2020-Till date)
UG Practical External & Internal Examiner	Bharathidasan University, Trichy. (2020- Till date)
Question paper setter	➤ A.D.M.College, Nagapattinam.
Committee member	<ul style="list-style-type: none"> <li>• Disciplinary committee from 2018-2021</li> <li>• Anti-ragging committee from 2018-2021</li> <li>• Cultural committee from 2020-2021</li> </ul>

## 23. Other Positions Held in College:

S.No	Positions	Nature of work
1.	Class In charge	<ul style="list-style-type: none"> <li>• Register and Record maintenance</li> <li>• Arranging Parent meeting</li> <li>• Maintaining overall profile of the students</li> <li>• Performance analysis</li> </ul> Students Counselling.
2.	Reception Committee for College programme	Member
3.	Tutorial ward	Tutor In charge
4.	NAAC- Criterion-IV,VII	In charge
5.	National Seminar	Organizing Committee Member
6.	M.Phil Programme	Research Advisor, Bharathidasan University, Tiruchirappalli

7.	International Conference	Organizing Committee Member
----	--------------------------	-----------------------------