

## Dr.R.SHARMILA

Associate Professor,  
Department of Biotechnology,  
Bishop Heber College,  
Tiruchirappalli - 17.

E-mail : sharmilabhc@gmail.com

Phone : 7904957399

Web:

### Qualification

Degree	Branch	Institution / University	Year of Passing
M.Sc	Biotechnology	Ponnaiah Ramajayam College	May 2003
B.Sc	Microbiology	Srimathi Indira Gandhi College	May 2001
Doctoral	Biotechnology	Bharathidasan University	2014
Master of Philosophy	Biotechnology	Bharathidasan University	2005

### Ph.D. Details

Title of Thesis	Area of Specialization	
Invitro production of an andrographolide from andrographis paniculata	Pharmaceutical biotechnology	
Research Supervisor	Research Centre	Year of Award
Dr.K.M.Subburathinam	Rajahs Serfoji College,Thanjavur	July 2014

Cleared NET / SET :	Details	Year of Passing
SET	2502779	Jan 2017

### Additional Qualification

Name of Course	Place of Study	Date	Duration
DMLT	Trichy	1 year	2000-2001

### Work Experience

Name of Institution	Address of Institution	Designation	From	To
Muthayammal College of artys and Science	Rasipuram,Namakkal district	Lecturer in Biotechnology	2004	2005
JJ college of arts and science college	Pudukkottai	Assistant Professor in Biotechnology	2008	2010
Thiagarajar College	Teppakulam Madurai	Assistant Professor in Biotechnology	2005	2008
Bishop Heber College	Puthur Trichy	Assistant Professor in Biotechnology	2010	Till date

**Teaching / Research Experience**

U.G. : 19

P.G. : 19

M.Phil. 2

Ph.D.

3

**Research Guidance**

U.G. : 4

P.G. : 45

M.Phil. :

Ph.D. :

**Table of Contents**

1.	<b>Conferences / workshops / Seminars Attended</b>	<b>23</b>
2.	<b>Research Papers Presented</b>	<b>26</b>
3.	<b>Publication in Journals</b>	<b>18</b>
4.	<b>Publication in Books</b>	<b>1</b>
5.	<b>Books Published / Edited</b>	<b>5</b>
6.	<b>Conferences / Workshops / Seminars Organised</b>	<b>0</b>
7.	<b>Research Projects</b>	<b>1</b>
8.	<b>Resource Person</b>	<b>1</b>
9.	<b>Consultancy</b>	<b>0</b>
10.	<b>Awards Recieved</b>	<b>2</b>
11.	<b>Patent</b>	<b>0</b>
12.	<b>Extension Activities Undertaken</b>	<b>0</b>
13.	<b>Professional Membership</b>	<b>8</b>
14.	<b>M.Phil. / Ph.D. Produced</b>	<b>0 / 0</b>

1. International level Conference on **"career oppurtunities for life sciences professionals"** sponsored by DST organized by Theivanai ammal college at Villupuram during 31/01/2019 to 31/01/2019.
2. International level Conference on **"New vistas in life sciences"** sponsored by nil organized by Holy cross college at trichy during 11/09/2018 to 11/09/2018.
3. National level Seminar on **"National Seminar on Contemporary Advances in Biotechnology (NSCAB-2018)"** sponsored by Mahendra Arts and Science College organized by Mahendra Arts and Science College at iruchengode during 25/01/2018 to 25/01/2018.
4. National level Seminar on **" national seminar on current perspectives in biological sciencess"** sponsored by DBT organized by Rabiammal Ahamed Maiden College for Women at Tiruvarur during 24/01/2018 to 24/01/2018.
5. College level Workshop on **"Science Academics lecture workshop"** sponsored by indian academy of science organized by Department of Biotechnology,NMC at puthanampatti,trichy during 18/12/2017 to 19/12/2017.
6. International level Seminar on **"international seminar on innovations in pollution control and sustainable environment"** sponsored by UGC organized by K.S.G. College of arts and science at Coimbatore during 26/09/2017 to 26/09/2017.
7. College level Workshop on **"Science Academics lecture workshop on Modern trends in biology"** sponsored by national Academy Science organized by Cauvery College of arts and Science at trichy during 21/09/2017 to 22/09/2017.
8. International level Conference on **"Frontiers in Nano biotechnology"** sponsored by UGC organized by Bishop Heber College at Trichy during 08/09/2017 to 09/09/2017.
9. National level Workshop on **"National Level Workshop on Next Generation Sequencing"** sponsored by Thermofisher SScientific Company organized by ST JOSEPH ARTS AND SCIENCE COLLEGE at TRICHY during 01/01/1900 to 09/10/2015.
10. National level Seminar on **"National Symposium on "New dimensions in biotechnology""** sponsored by Department of biotechnology, JJ. College of arts and science, organized by Department of biotechnology, JJ. College of arts and science, at Pudukkottai during 01/01/1900 to 01/01/1900.
11. State level -1 on **"Protein Separation Technique and Molecular Docking Studies, PRODOCK"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli, during 01/01/1900 to 01/01/1900.
12. State level Workshop on **"Bioinformatics on Computer Aided Drug Design,"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli, during 01/01/1900 to 01/01/1900.
13. College level Workshop on **"Capacity Building programme"** sponsored by IQAC,Bishop Heber College organized by IQAC,Bishop Heber College at Tiruchirappalli, during 01/01/1900 to 01/01/1900.
14. State level Workshop on **" "Structural Bioinformatics and Protein 3D Structure Visualization"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli, during 01/01/1900 to 01/01/1900.
15. College level Seminar on **" Seminar on Cytogenetics""** sponsored by PG Department of Biotechnology, School of Life Sciences, PRC College, organized by PG Department of Biotechnology, School of Life Sciences, PRC College, at Thanjavur during 01/01/1900 to 01/01/1900.
16. National level Seminar on **"National Symposium on "New dimensions in biotechnology""** sponsored by Department of biotechnology, JJ. College of arts and science, organized by Department of biotechnology, JJ. College of arts and science, at Pudukkottai during 01/01/1900 to 01/01/1900.

17. National level -1 on "**Shodhganga ETD Database**" sponsored by UGC organized by Bharathidasan university at Tiruchirappalli, during 01/01/1900 to 01/01/1900.
18. College level -1 on "**Faculty Development Programme**" sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli, during 01/01/1900 to 01/01/1900.
19. College level Workshop on "**Microbiology**" sponsored by Sea Horse Hospital Ltd, organized by Sea Horse Hospital Ltd, at Tiruchirappalli, during 01/01/1900 to 01/01/1900.
20. University level Workshop on "**Techniques in Molecular Biology**" sponsored by Center for Advance studies in Botany, Madras University organized by Center for Advance studies in Botany, Madras University at chennai during 01/01/1900 to 01/01/1900.
21. National level Workshop on "**Recent trends in Biology and Biotechnology**" sponsored by indian Academy Science organized by Jamal Mohammed College at Tiruchirappalli, during 01/01/1900 to 01/01/1900.
22. College level -1 on "**Curriculum Design and evaluation techniques**" sponsored by DBT organized by Bishop Heber College at Tiruchirappalli, during 01/01/1900 to 01/01/1900.
23. National level Seminar on "**National Seminar on Impact of Biotechnology on environment and health issues,**" sponsored by Department of Biotechnology, Bishop Heber College organized by Department of Biotechnology, Bishop Heber College at Tiruchirappalli, during 01/01/1900 to 01/01/1900.

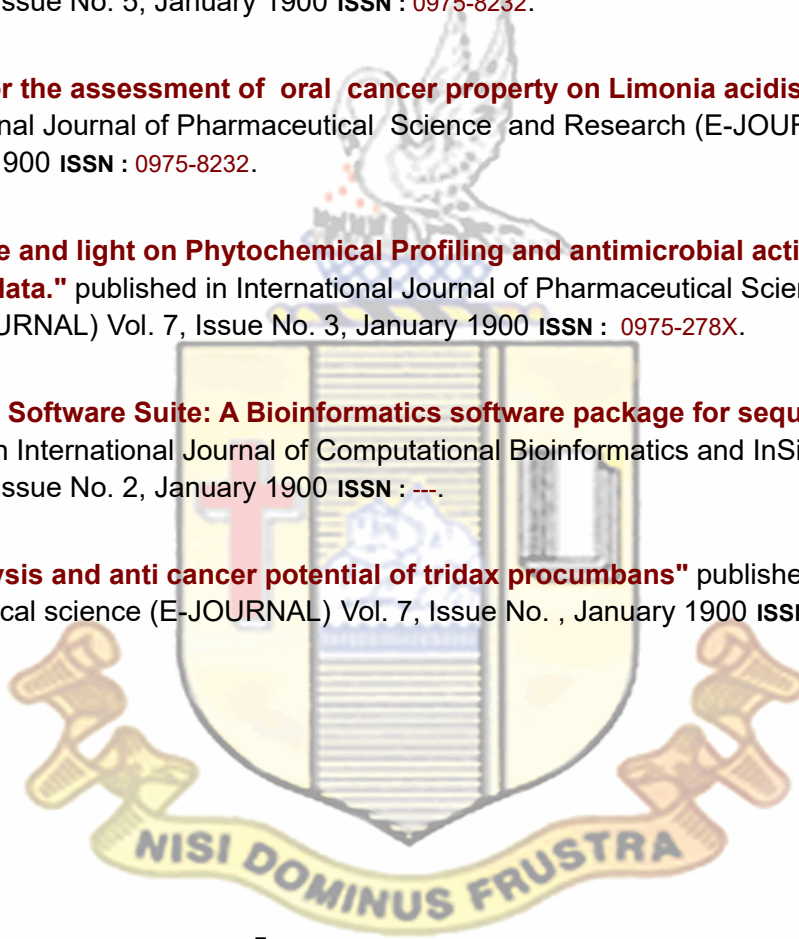


1. **"effect of penicillium on textile effluent degradation"** in the National conference on *computational analysis of molecular data in synergy with biological applications( CAMB-2017)* sponsored by UGC, organized by Department of Biotechnology Bishop Heber College at Tiruchirappalli during 03/02/2017 to 03/02/2017.
2. **"Phytochemical analysis and antibacterial studies on the bark of wrightia tinctoria"** in the National conference on *National Conference on computational analysis of molecular data in synergy with biological applications( CAMB-2017)* sponsored by ugc, organized by Department of Biotechnology Bishop Heber College at Tiruchirappalli during 03/02/2017 to 01/01/1900.
3. **"Antimicrobial activity of Andrographis paniculata extract against candida sp"** in the International conference on *international conference on frontiers in life sciences (ICFLS)* sponsored by DST&UGC, organized by Govt Arts & Science College at Karur during 10/02/2016 to 01/01/1900.
4. **"Evaluation of Phytochemical and antimicrobial activity of Andrographis paniculata in different condition and temperature"** in the International conference on *Recent trends in synthetic biology* sponsored by UGC, organized by Bishop Heber College at Trichy during 01/08/2015 to 01/09/2015.
5. **"effect of biotic and abiotic stress to the cell suspension culture of Andrographis paniculata for Andrographolide production"** in the National conference on *National seminar on Herbal Focus*, sponsored by , organized by Srimad Andavan Arts and Science College at Tiruchirappalli during 01/01/1900 to 01/01/1900.
6. **"Micropropagation of Endangered Indian sandal wood (Santalum album (L))"** in the International conference on *International Conference on Recent Trends in Synthetic Biology*, sponsored by UGC, organized by Department of Biotechnology Bishop Heber College at Tiruchirappalli during 01/01/1900 to 01/01/1900.
7. **"Regeneration of Andrographis paniculata Wallich Ex Nees via organogenesis"** in the International conference on *International Conference on Biotechnological innovations towards global development* sponsored by UGC, organized by Department of Biotechnology Bishop Heber College at Tiruchirappalli during 01/01/1900 to 01/01/1900.
8. **" Effect of Glomus fasciculatum with normal and micropropagated plants of Andrographis paniculata"** in the College conference on *International Conference on Biotechnological innovations towards global development* sponsored by UGC, organized by Department of Biotechnology Bishop Heber College at Tiruchirappalli during 01/01/1900 to 01/01/1900.
9. **"Review of Stem cells"** in the International conference on *International Conference on ARR*, sponsored by , organized by Secundar Arts and Science College, Tiruchengode at Tiruchengode during 01/01/1900 to 01/01/1900.
10. **"Review on anticancer potential of Andrographis paniculata"** in the International conference on *International Conference on ARR*, sponsored by , organized by Subramaniyam Arts and Science College, Namakkal at Namakkal during 01/01/1900 to 01/01/1900.
11. **"chemical standardization studies on Nelavembu an anticancer plant"** in the National conference on *National Conference on biotechnology- its advent and future promises* sponsored by UGC, organized by Department of Biotechnology Bishop Heber College at Tiruchirappalli during 01/01/1900 to 01/01/1900.
12. **"in vitro and insilico assay for anticancer activity(mtt assay) of acorus calamus in breast cancer cell lines mcf-7 and elf5"** in the National conference on *"global food security and th role of biotechnology in sustainable food systems and nutrition"* sponsored by UGC, organized by St.Josephs College, at Tiruchirappalli during 01/01/1900 to 01/01/1900.
13. **"Computational analysis of PB1 protein of the influenza A virus."** in the National conference on *National seminar on Frontiers in Biosciences* sponsored by , organized by Jamal Mohamed College, at Tiruchirappalli during 01/01/1900 to 01/01/1900.

14. **"Invitro production of andrographolide from cell suspension culture of Andrographis paniculata"** in the National conference on *National conference on botanicals and phytochemicals; the challenges and promise for health care and drug development (Proteofest-2016)* sponsored by , organized by Rev. Jacob Memorial Christian College, at Ambilikkai during 01/01/1900 to 01/01/1900.
15. **"molecular docking study of bioactive compound of Andrographolide against the ebola virus receptor protein."** in the International conference on *international conference on frontiers in life sciences (ICFLS)* sponsored by UGC, organized by St. Josephs College at Tiruchirappalli during 01/01/1900 to 01/01/1900.
16. **"Invitro antibacterial activity in the extracts of Andrographis paniculata"** in the National conference on *National Conference on frontiers in biotechnology* sponsored by , organized by Nehru Memorial College at Tiruchirappalli during 01/01/1900 to 01/01/1900.
17. **"anticancer activity (MTT assay) and phytochemical analysis of Acorus calamus"** in the National conference on *National conference on innovations, implementations and controversies of Animal Biotechnology* sponsored by UGC, organized by Bharathidasan university at Tiruchirappalli during 01/01/1900 to 01/01/1900.
18. **"Insilico study of grape seed extract for oral cancer causing protein HER2,"** in the National conference on *National Symposium on Recent Advances in Medicinal and Aromatic Plants* sponsored by , organized by St. Josephs College at Tiruchirappalli during 01/01/1900 to 01/01/1900.
19. **"evolution of antioxidant and anti-inflammatory activity of andrographolide from andrographis paniculata by invitro study"** in the International conference on *international seminar on Bioscience and its applications* sponsored by , organized by bharathidasan university constituent college, perambalur at Tiruchirappalli during 01/01/1900 to 01/01/1900.
20. **"micropropagation protocol of an endangered medicinal plant picrorhiza kurroa royle ex benth. promptly through auxin treatments"** in the International conference on *international seminar on Bioscience and its applications* sponsored by , organized by bharathidasan university constituent college, perambalur at Tiruchirappalli during 01/01/1900 to 01/01/1900.
21. **"Antimicrobial activity of Andrographis paniculata extract against candida sp"** in the International conference on *international conference on frontiers in life sciences (ICFLS)* sponsored by DST&UGC, organized by Govt Arts & Science College at Karur during 01/01/1900 to 01/01/1900.
22. **"Insilico study on bioactive compounds of paracetamol causing liver damage"** in the National conference on *National seminar on Herbal Focus*, sponsored by , organized by Srimad Andavan Arts and Science College, at Tiruchirappalli during 01/01/1900 to 01/01/1900.
23. **"Pharmacognostic Effect of leaves Extract of Murraya Koenigii (L) on mouth microbiome"** in the International conference on *International conference on Recent Trends in Synthetic Biology* sponsored by UGC, organized by Department of Biotechnology Bishop Heber College at Tiruchirappalli during 01/01/1900 to 01/01/1900.
24. **"Evaluation of Phytochemical and antimicrobial activity of Andrographis paniculata in Different condition and temperature"** in the International conference on *International conference on Recent Trends in Synthetic Biology* sponsored by UGC, organized by Department of Biotechnology Bishop Heber College at Tiruchirappalli during 01/01/1900 to 01/01/1900.
25. **"Insilico study of Acorus calamus extract for brain cancer causing protein HER2"** in the National conference on *National Symposium on Recent Advances in Medicinal and Aromatic Plants* sponsored by , organized by St. Josephs College at Tiruchirappalli during 01/01/1900 to 01/01/1900.
26. **"Computational analysis of PB1 protein of the influenza A virus."** in the National conference on *National seminar on Frontiers in Biosciences* sponsored by , organized by Jamal Mohamed College, at Tiruchirappalli during 01/01/1900 to 01/01/1900.

1. **"Molecular Docking Studies of Potential Inhibitors against HPV 16 E6 Protein in Eichhornia crassipes"** published in Indian Journal of Natural Sciences (PEER REVIEW) Vol. 13, Issue No. 71, January 2022 ISSN : 0976 – 0997.
2. **"Prediction Of Potential Inhibitors Similar To Remdesivir (Gs-5734) Against 7btf Sars Cov 2 Rna Dependent Rna Polymerase – An In-Silico Approach,"** published in IJPSR (PEER REVIEW) Vol. 13, Issue No. 11, January 2022 ISSN : 0975-8232.
3. **"Identification of potential epitopes of H1N1 influenza virus for vaccine design an immunoinformatics and molecular docking approach"** published in Uttar Pradesh Journal of zoology (PEER REVIEW) Vol. 42, Issue No. 24, January 2022 ISSN : 0256-971X (P).
4. **"Identification of Antiulcer Activity By Insilico Method in Selected Medicinal Plants."** published in Asian Journal of Advances in Medical Science (E-JOURNAL) Vol. 4, Issue No. 2, January 2021 ISSN : ---.
5. **"Anti-cancer activity of Ganoderma lucidum mycelium alcoholic extract against breast cancer cells"** published in Uttar Pradesh Journal of zoology (PEER REVIEW) Vol. 42, Issue No. 24, January 2021 ISSN : 0256-971X.
6. **"Molecular docking analysis of bioactive compounds from Mollugo cerviana (L.) SER with DHFR for antifungal activity."** published in Bioinformation (PEER REVIEW) Vol. 17, Issue No. 11, January 2021 ISSN : 0973-2063.
7. **"Anticandidal and anti virulence efficiency of selected seaweeds against azole resistance candida albicans"** published in Biocatalysis and agricultural biotechnology (PEER REVIEW) Vol. , Issue No. , January 2019 ISSN : 1878-8181.
8. **" Phytochemical profiling and insilico studies of W. tinctoria against psoriasis"** published in WJPR (PEER REVIEW) Vol. 7, Issue No. 3, February 2018 ISSN : 2277-7105.
9. **"Molecular docking study of bioactive compound of Andrographolide against ebola virus."** published in International Journal of Pharma Science and Research, (E-JOURNAL) Vol. 7(5), Issue No. , January 2016 ISSN : 0975-9492.
10. **" In-silico approach for the assessment of oral cancer property on limonia acidissima"** published in International Journal of Pharmaceutical Science and Research, (E-JOURNAL) Vol. 7(3), Issue No. , January 2016 ISSN : 0975-8232 7..
11. **"Effect of growth regulators on Andrographolide production in callus cultures of Andrographis paniculata."** published in Advanced Biotech (E-JOURNAL) Vol. 5, Issue No. 2, January 1900 ISSN : 0975-248X.

12. **"Effect of growth regulators on Andrographolide production in callus cultures of Andrographis paniculata."** published in Advanced Biotech (E-JOURNAL) Vol. 5, Issue No. 2, January 1900 ISSN : 0975-248X.
13. **"In-silico analysis of Andrographolide against cancer"** published in International Journal of Pharmaceutical Sciences and Drug Research (E-JOURNAL) Vol. 5, Issue No. 2, January 1900 ISSN : 0975-248X.
14. **"Effect of signal compounds on Andrographolide in the hairy root cultures of Andrographis paniculata."** published in International Journal of Pharmaceutical Science and Research, (E-JOURNAL) Vol. 4, Issue No. 5, January 1900 ISSN : 0975-8232.
15. **"In silico approach for the assessment of oral cancer property on Limonia acidissima."** published in International Journal of Pharmaceutical Science and Research (E-JOURNAL) Vol. 7, Issue No. 3, January 1900 ISSN : 0975-8232.
16. **"Effect of temperature and light on Phytochemical Profiling and antimicrobial activity of Andrographis paniculata."** published in International Journal of Pharmaceutical Sciences and Drug Research (E-JOURNAL) Vol. 7, Issue No. 3, January 1900 ISSN : 0975-278X.
17. **"BOSS -Bishop Open Software Suite: A Bioinformatics software package for sequence analysis."** published in International Journal of Computational Bioinformatics and InSilico Modeling (E-JOURNAL) Vol. 3, Issue No. 2, January 1900 ISSN : ---.
18. **"phytochemical analysis and anti cancer potential of tridax procumbans"** published in World journal of pharmaceutical science (E-JOURNAL) Vol. 7, Issue No. , January 1900 ISSN : 2277-7105.



#### Books Published / Edited

- 5

- \* . ***Uyirnutpamum Thozhil Nunukkamum***. Chennai : Kavya publishers , January 2023.
- \* . • ***Tamizharin Marapu Sar Maruthuva Arivu***. Chennai : Kavya publishers , January 2022.
- \* . • ***Stem cell or uyirmeetpu cell***. Chennai : Kavya publishers , January 2019.
- \* . ***Marapanu ennum mayakannade***. Chennai : Kavya publishers , April 2018.
- \* . ***Tamizharin maruthuva alumai***. Coimbatore : Inam publishers , January 1900.



## Awards Recieved - 2

Award Name	Presented by	Year	Level	Instituted by / Place	amount
For writing Science Books in Regional language	TNSCST	01/01/2020	STATE		15000
Mozhi valarchikku uthavum siranda nool	Tamilnadu murpokku eluthalar sangam	01/01/2019	STATE		5000

## RESEARCH PROJECTS - 1

1. Minor project entitled "**invitro production of an andrographolide from andrographis paniculata**" (PRINCIPAL INVESTIGATOR), Sponsored by UGC, during 01/01/1900 to Till Date [Ongoing].

## PROFESSIONAL MEMBERSHIP - 8

- \* chairman of theivanai ammal college,villupuram during 01/01/2018 -
- \* scrutiny board member of srimad andavan arts and science college during 01/01/2018 -
- \* scrutiny board member of theivanai ammal college,villupuram during 01/01/2018 -
- \* Board of studies member in Department of Biotechnology of Bharathidasan University,tiruchirappalli during 01/01/2016 -
- \* Board of studies member in Department of Biotechnology of Srimad Andavan College of arts and science, Tiruchirappalli during 01/01/2016 -
- \* Board of studies member in Department of Biotechnology of The Rajah's Serfoji Govt College , Thanjavur during 01/01/2015 -
- \* ? University Representative Nominee for board of studies meeting of Nehru memorial College,Puthanampatti during 01/01/2015 - 2017
- \* Scrutiny Board member of Srimad Andavan College of Arts and Science during 01/01/1900 -

## RESOURCE PERSON - 1

1. State level Seminar on "**periyar in penniyam**" at Peravurani, Thanjavur, 01/01/2015.

## Additional Information

@ completed Online certificate Course from Coursesara in the year 2022

@ Completed Diploma in medical laboratory Course.  
Cleared SET

**Signature of Staff**  
**(R.SHARMILA)**