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ABSTRACT				
01	Name	S.MANIKANDASELVI		
02	Educational Qualifications	M.Sc., M.Phil., Ph. D.,		
03	Designation	Associate Professor in Biochemistry		
04	Contact Address	Chinthamani Bankers Upstairs, Near Police Station & Malligai Mandabam, South Street, Needamangalam- 614 404. Thiruvavur Dt.		
		E-mail: <a href="mailto:selvithinagar@gmail.com">selvithinagar@gmail.com</a>		
05	Phone Numbers	9789042704		
06	Field of Specialization	Phytomedicine, Nutraceutical		
07	Teaching Experience	22 Years		
08	Research Experience	22 Years		
		ORCID ID- 0000-0003-0096-5518 Web of Science Researcher ID- <a href="#">AAA-2323-2021</a> Scopus ID- 48662624500 <a href="https://vidwan.inflibnet.ac.in/profile/591607">https://vidwan.inflibnet.ac.in/profile/591607</a>		
09	Number of Conferences attended	Total		
		International	-	02
		National	2	
10	Number of papers presented in Conferences	International	17	24
		National	7	
11	Number of Seminars attended	International	3	07
		National	1	
		State	3	
12	Number of papers presented in Seminars	International	4	12
		National	7	
		State	1	
13	Number of Symposium attended	National	1	01
14	Number of papers presented in Symposium	Regional	1	01
15	Number of Workshops attended	10		
16	Participation in Special Trainings	1		
17	Participation in Special Courses	4 [2 NPTEL]		
18	Number of FDP attended	28		
19	Number of Refresher Course attended	1 (SWAYAM)+ 1(UGC-HRDC)		
20	Number of Orientation & short term Course attended	2 & 2		
21	Act as Chair person	1		
22	Research Experiences	M.Phil. thesis completed under my guidance	15	87
		M.Sc. thesis completed under my guidance	72	
		Fund received from TNSCST (2021-22)	Student project scheme Rs. 7500	
		Rs. 1,00,000 received as Seed Money for Research Project		
23	Articles published in Journals	36		
24	Book Chapter	4		
25	Patent Filed	1		
26	Membership in other professional bodies	2+4		
27	Convenor & Co-convenor	4 + 9		
28	Position Held	14		

## **RESUME**

- 1. Name** : S. MANIKANDASELVI
- 2. Address(Residential)** : W/O R.Thinagarbabu,  
South Street, Needamangalam- 614 404.  
Thiruvavur Dt.
- 3. Designation** : Associate Professor
- 4. Department** : Biochemistry
- 5. Age & Date of Birth** : 45 & 03.10.1979
- 6. Area of Specialization** : Phytomedicine, Nutraceutical
- 7. Educational Qualifications** : M.Sc., M.Phil., Ph.D.,

EXAM PASSED	BOARD/ UNIVERSITY	SUBJECTS	YEAR	DIVISION/ GRADE MERIT etc
High school	State	-	1994	74 %
Higher Secondary	State	Maths with Biology	1996	63 %
Bachelor's Degree(s)	Bharathidasan	B.Sc. Biochemistry	1996 - 1999	First Class , 67%
Master's Degree (s)	Bharathidasan	M.Sc. Biochemistry	1999- 2001	First Class , 75%
Research Degree (s)	Tamil University	M.Phil. Biochemistry	Apr. 2001- 2002	Distinction, 78%
Others	Bharathidasan	Ph.D. Biochemistry	Apr. 2018	-

### **8. Total Teaching Experience -22 years**

S.No.	NAME OF THE INSTITUTION	FROM	TO	YY/MM/DD
1	ADMC, Nagapattinam	23.09.2003	30.04.2005	01/07/ 07
2	MRC, Thathanur	14.06.2005	30.04.2007	01/10/16
3	STET , Mannargudi	14.06.2007	Till date	18/11/05

### **9. Conference attended**

2

1. International Conference attended on Multidisciplinary Frontiers of Medicinal Chemistry at SASTRA, Thanjavur on 18 & 19.01.2013.
2. National Conference on Emerging Trends in Research Methodology at STET Women's College (A), Mannargudi on 01 & 02.03.2024

### **3. Paper presented in Conference**

24

1. International Conference on Natural products in the management of cancer, diabetes and viral infections at SASTRA, Thanjavur on 07 & 08.03.2013.
2. National Conference on Phytochemicals in medicinal plants and food sponsored by Tamil Nadu State Council for Science and Technology & Bioelixer at Bharathidasan University Constituent College for Women, Orathanadu on 30.07.15 & 31.07.15.
3. International Conference on Clinical research at Shrimati Indira Gandhi College,

- Tiruchirappalli on 25.01.2016.
4. International Conference on Phytocongress 2016 at SASTRA, Thanjavur on 21 & 22.07.2016.
  5. UGC Sponsored National Conference on Phytochemicals in Medicinal Plants and Food at Bharathidasan University Constituents College for Women, Orathanadu on 01.02.2018.
  6. International Conference on cancer inferno and its prevention strategies at Periyar EVR College (A), Tiruchirappalli on 22.02.2019.
  7. International Conference on Emerging Trends and Innovation in Chemistry at S.T.E.T. Women's College, Mannargudi on 20.08.2019.
  8. International Conference on Novel approaches in Cancer Research and Innovation at S.T.E.T. Women's College, Mannargudi on 26.09.2019.
  9. National Conference on Next generation Nutrition at S.T.E.T. Women's College, Mannargudi on 27.09.2019.
  10. International Conference on Natural Therapeutics at DGG Arts College, Mayiladuthurai on 06.02.2020.
  11. International Conference on Recent Advancements in Therapeutics at Srimathi Indira Gandhi College, Tiruchirappalli on 17.08.2022.
  12. International Conference on Phytotherapeutics (ICPT-2023) organized by PG and Research Department of Biochemistry, S.T.E.T Women's College, Mannargudi on 10.02.2023.
  13. International Conference on Converging Research Approaches in Life Sciences for Future Advancement (CRALSFA-2023) organized by PG and Research Department of Microbiology, S.T.E.T Women's College, Mannargudi on 15.02.2023.
  14. National Conference on Recent advances in Chemistry"(NCRAC-2023) organized by Department of Chemistry, S.T.E.T Women's College, Mannargudi on 07.03.2023.
  15. National Conference on Recent Advances in Value Addition and Food Processing organized by Department of Nutrition and Dietetics, S.T.E.T Women's College, Mannargudi on 23.03.2023.
  16. 44<sup>th</sup> Annual Conference of Indian Association of Biomedical Scientists & "National Conferences on Post Covid 19 Pandemic and Translational Research conducted by Dept of Microbiology, M.R Government Arts College, Mannargudi from 08.01.2024 to 10.01.2024.
  17. International Conferences on Molecular basis of Cancer & Prevention conducted by Dept of Life sciences, Ponnaiyah Ramajayam Institute of Science and Technology, Thanjavur on 07.02.2024 and 08.02.2024.
  18. DBT-CTEP sponsored International Conferences on Structural Biology and Drug Discovery conducted by PG and Research Dept of Biochemistry in association with IQAC, S.T.E.T. Women's college (Autonomous), Sundarakkottai, Mannargudi on 16.02.2024-17.02.2024.
  19. International Conferences on Inspiring Microbiome for The future Generation conducted by PG and Research Dept. of Microbiology in association with Microbiologists Society and IQAC, S.T.E.T. Women's college (Autonomous), Sundarakkottai, Mannargudi on 26.02.2024-27.02.2024.
  20. International Conferences on Phytopharmaceuticals- An Emerging Platform to Sustainable Health Care conducted by PG and Research Dept of Biochemistry in association with IQAC, S.T.E.T. Women's college (Autonomous), Sundarakkottai, Mannargudi on 25.09.2024-26.09.2024.
  21. Two days International Conference on Recent Research Trends in Physical & Biochemical Sciences (RRTPBS) 2024 organized by Department of Biochemistry, Chemistry & Physics, Idhaya College for Women, Sarugani, Sivagangai on 19.09.2024 & 20.09.2024.
  22. International Conference on Phytochemicals as Lead compounds in New Drug Discovery at Rabiammal Ahamed Maideen College for Women, Thiruvarur on 24.01.2025.

23. International Conference on New Directions in Environmental Ecology and Historical Climate Changes for sustainable future at Maruthupandiyar College, Thanjavur on 13.02.2025.
24. National Conference on Microbial Insight: Current Trends, Challenges and Future Frontiers on S.T.E.T. Women's college (Autonomous), Sundarakkottai, Mannargudi on 26.02.2025-27.02.2025.

#### **25. Seminar attended**

**7**

1. State Level Seminar on Current Scenario in Biological Science on 20.2.2007 at Pavendar Bharathidasan College of Arts and Science, Trichy.
2. National Seminar on Clinical research- 2015 at St. Joseph College, Trichy on 21.01.2015.
3. State level seminar on Recent advances in Biochemistry at RA College, Triruvavur on 22.01.2015.
4. State level seminar on Emerging Trends in Biosciences and Future prospects at Maruthupandiyar College, Thanjavur on 26.02.2015.
5. International Seminar on Frontiers in Biological Sciences (ISFBS'16) at St. Joseph's College (A), Trichy on 16. 12.2016.
6. International Seminar attended on New Frontiers and Challenges in Environmental Sciences at Marudupandiyar College, Thanjavur on 15.02.18 & 16.02.18.
7. International Seminar attended on Intellectual Property Rights – Emerging Issues and Challenges at S.T.E.T. Women's College, Mannargudi on 11.09.2019.

#### **12. Paper presented in Seminar**

**12**

1. National Seminar on Biotechnological and Nanotechnological Approaches in Food Processing at S.T.E.T. Women's College, Mannargudi on 21.1.2012.
2. International seminar on new frontiers and challenges in environmental sciences at Marudupandiyar College, Thanjavur- 11.02.16 & 12.02.16.
3. International Seminar on Microbes, Microbial Processes and Products (MMPP-17) at S.T.E.T. Women's College, Mannargudi on 12.09.2017.
4. National Seminar on Herbal Drug Development at S.T.E.T. Women's College, Mannargudi on 22.09.2017.
5. National Seminar on New advancement in Chemical & Biochemical Sciences at Idhaya College for Women, Sarugani, Sivagangai Dt on 26 & 27.07.2018.
6. National Seminar cum Workshop on Biological and Medical applications of foldscope and Mycorrhizal commercial productions at M.R. Government Arts College, Mannargudi on 31.01.2019.
7. One day seminar on Global Challenges & Intercollegiate competition of Life Sciences at Maruthupandiyar College, Thanjavur on 15.02.2019.
8. International Seminar on Microbial interventions for the Welfare of Human Beings at S.T.E.T. Women's College, Mannargudi on 09.08.2019.
9. National Seminar on Novel Approaches and Future Aspects for Cancer Therapy at Marudupandiyar College, Thanjavur on 07.02.2020.
10. National Seminar on Entrepreneurial Spectrum of Microbial Technology- Agriculture, Industry and Medicine at M.R. Government Arts College, Mannargudi on 05.03.2021.
11. International Seminar on Recent advances in Translational Medicine at Marudupandiyar College, Thanjavur on 26.11.2021.
12. National Seminar on Innovations & Advances in Biosciences at ADM College for Women, Nagapattinam on 17.03.2025.

**13. Symposium attended****1**

1. National Symposium on Medicinal and Aromatic Plants (NASYMP'17) at St.Joseph's College (A), Trichy on 15.02.2014.

**14. Paper presented in Symposium****1**

1. Regional Symposium on Environment Impact Assessment and Control-2004 held at A.D.M. College of Arts and Science, Nagappattinam on 2 & 3.9.2004.

**15. Workshop attended****10**

1. Workshop attended on Hormone analyzer in Immunological markers at SHUBICK LAB, Pattukkottai on 18.10.2014.
2. Workshop attended on Molecular Techniques at STET Women's College, Mannargudi on 10.01.2015.
3. International Workshop attended on Biochemical & Bioinformatics Techniques at Shrimathi Indira Gandhi College, Trichy on 05.09.2017.
4. Science Academies Lecture Workshop attended on Current Scenario in Life Sciences at S.T.E.T Women's College, Mannargudi on 11.10.17 & 12.10.17.
5. International Lecture Workshop attended on Research Methodology at S.T.E.T Women's College, Mannargudi on 04.01.19.
6. Workshop attended on HPTLC & Applications at SASTRA University, Thanjavur on 03.01.2020.
7. Two day hands on Workshop attended on "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.
8. Workshop attended on Assessment of Outcome Based Education organized by IQAC, S.T.E.T. Women's college (Autonomous), Sundarakkottai, Mannargudi on 04.06.2022.
9. CSIR-HRDC sponsored National Conference cum Workshop on Determination of three Dimensional Structures of small and macromolecules using Single Crystal X-Ray Diffraction by PG and Research Dept of Chemistry and Physics, S.T.E.T. Women's college (Autonomous), Sundarakkottai, Mannargudi on 11.12.2023 -15.12.2023.
10. National workshop on Food Safety & Quality Assurance at S.T.E.T. Women's college (Autonomous), Sundarakkottai, Mannargudi on 03.03.2025-04.03.2025.

**16. Participation in Special Trainings****1**

Participated in special training programme in Human Resource Development conducted by Balaji Institute of modern Management, Pune, from 24.10.2011 to 28.10.2011.

**17. Participation in Special Courses****4**

- NPTEL (National Programme on Technology Enhanced Learning) Online Certification funded by the Ministry of HRD, Govt. of India
  1. Computer Aided Drug Design -August to September 2018 (8 week course)
  2. Introduction to Research- February to April 2019 (8 week course)
- MS office
- Kayakalpa Course

**18. Faculty Development Programmes attended**

1. Faculty Development Training Programme on Guidance and Counselling held at S.T.E.T.Women's College, Mannargudi on 24 & 25.7.2010.
2. Faculty Development Training Programme on Tips for effective teaching and Teaching value held at S.T.E.T.Women's College, Mannargudi on 04.06.2011.
3. Faculty Development Training Programme on SET/NET Coaching class held at S.T.E.T.Women's College, Mannargudi on 30.7.2011.
4. Faculty Development Training Programme on Innovative methods in teaching & learning process held at S.T.E.T.Women's College, Mannargudi on 18.12.2012.
5. Faculty Development Training Programme on How to use the college library effectively held at S.T.E.T.Women's College, Mannargudi on 18.11.2013.
6. Faculty Development Training Programme on SET/NET Coaching class held at S.T.E.T.Women's College, Mannargudi on 26.5.2014.
7. Faculty Development Training Programme on SET/NET Coaching class held at S.T.E.T.Women's College, Mannargudi on 5.6.2014.
8. Faculty Development Training Programme on How to use NPTEL Resources held at S.T.E.T.Women's College, Mannargudi on 14.7.2014.
9. Faculty Development Training Programme on Research Proposal & Funding Agencies held at S.T.E.T.Women's College, Mannargudi on 15.11.2014.
10. Faculty Development Training Programme on From Good to Great held at S.T.E.T.Women's College, Mannargudi on 26.09.2015.
11. Faculty Development Training Programme on Office Management held at S.T.E.T. Women's College, Mannargudi on 31.12.2016.
12. Faculty Development Training Programme on Communication Skill held at S.T.E.T. Women's College, Mannargudi on 11.04.2017.
13. Faculty Development Training Programme conducted by Department of Environment and Herbal Sciences held at Tamil University, Thanjavur on 26.04.2017.
14. Faculty Development Training Programme on computer aided drug design conducted by NPTEL- AICTE from August to September 2018.
15. Faculty Development Training Programme on Introduction to Research conducted by NPTEL- AICTE from February to April 2019.
16. Faculty Development Training Programme on Intellectual Property Rights held at S.T.E.T.Women's College, Mannargudi on 08.07.2019.
17. Online FDP on Research Proposal to Patenting - A Road Map jointly organized by Internal Quality Assurance Cell & PG and Research Department of Biochemistry, Srimad Andavan Arts and Science College (Autonomous), Tiruchirappalli - 620005, held from 25th to 27th August 2021.
18. Faculty Development Training Programme on Implementation of outcome based Education held at S.T.E.T.Women's College (A), Mannargudi from 07.06.2022 to 09.06.2022.
19. Three Days workshop attended 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.
20. Two Days Faculty Development Workshop on How to Write a World Class Research Paper (From Title to Reference and Submission to Revision) IQAC and R&D Cell, S.T.E.T. Women's College (Autonomous), Sundarakkottai, Mannargudi on 17.09.2022 & 18.09.2022.
21. Professional Development Programme on Learning Outcome Based Curriculum Framework (LOCF) organized by the CDC & IQAC, S.T.E.T. Women's College (Autonomous), Sundarakkottai, Mannargudi on 22-24.11.2022.

22. Professional Development Programme on Learning Outcome Based Curriculum Framework (LOCF) organized by the CDC & IQAC, S.T.E.T. Women's College (Autonomous), Sundarakkottai, Mannargudi on 25.11.2022.
23. Faculty Development Programme on "Identification of Government and Non Government Funding agencies" organized by the IQAC and R&D Cell, S.T.E.T. Women's College (Autonomous), Sundarakkottai, Mannargudi on 04.03.2023.
24. Participated in the Faculty Development Programme on IPR Concepts To Compliance organized by the IPR, S.T.E.T Women's College (Autonomous), Sundarakkottai, Mannargudi on 07.10.2023.
25. Five Day International Virtual Faculty Development Programme on "Recent Trends In Biological Sciences" - (RTBS 2023) organized by the Department of Botany, Seethalakshmi Ramaswami College (Autonomous) from 16.10.2023 to 20.10.2023.
26. A five day online International Faculty Development Programme on Emerging Technologies and Future trends organized by Department of Computer Applications Forum for Information Technology(FIT) from 15.10.2024 to 19.10.2024.
27. Five-Day National Level Online FDP on Beyond Boundaries: Driving Innovation in Research" from 26.12.2024 to 30.12.2024 Organized by Committee for Research Ethics, Publication & IPR, Auxilium College (Autonomous), Gandhi Nagar, Vellore in Collaboration with North East Institute of Social Sciences & Research, Dimapur, Nagaland.
28. "Six-Day Online FDP on Intellectual Property Rights (IPR)" Organized by Research and Development in association with Indra Ganesan, Institution Innovation Council, Thiruchirappalli from 24.02.2025 to 01.03.2025.

**19. Number of Refresher Course attended**

**2**

1. Annual Refresher Programme in Teaching – March 2019 Online Certification funded by the Ministry of HRD, Govt. of India:
  - a. Biotechnology - Conducted by SWAYAM from Dec. 2018 to Mar. 2019
2. UGC-Sponsored Refresher Course in Biochemistry & Biotechnology (Duration: Two Weeks – Mode: Online) conducted from 07.10.2022 (Friday) to 20.10.2022 (Thursday).

**20. Number of Orientation & Short term Course attended**

**4**

1. Orientation Course on Soft Skill Development conducted by A.V.C College (Autonomous), Mayialaduthurai from 17.04.2013 to 20.4.2013.
2. Orientation Course on Methods & Techniques in Research conducted by A.V.C College (Autonomous), Mayialaduthurai from 20.04.2014 to 23.04.2014.
3. Short term course on Research & Publication Ethics conducted by UGC-HRDC, Bharathidasan University, Tiruchirappalli from 19.01.2022 to 25. 01.2022.
4. Short Term Course in Entrepreneurship and Skill Development by UGC-HRDC, Bharathidasan University, Tiruchirappalli from 08.02.2024 to 14.02.2024.

**21. Act as Chairperson**

**1**

International Seminar on New frontiers and challenges in Environmental Sciences (BIOENVIRON-2019) held at Marudupandiyar Institutions, Thanjavur on 15.02.2019.

**22. Research Experiences: Dissertation and Thesis submitted**

**Ph.D., 2018 :** Biochemical Evaluation and validation studies on herbal Nutraceutical.  
**M. Phil., 2003:** Evaluation of iron chelation properties of *Achyranthes aspera* and *Nelumbo nucifera* on cigarette smoke induced oxidative stress in rats.



**M.Sc., 2001** : A Study of hypogonadism in female infertility.

**M.Phil Thesis have been completed under my guidance**

**15**

**PG Dissertation have been completed under my guidance**

**72**

**23. Research Articles Published**

**36**

1. Manikandaselvi, S and Sridevi M. Protein profiling and peroxidase analysis of *Vigna unguiculata* grown in effluent treated soil. International Journal of Pharmacology and biological science. 2011, 5(1): 11-16.
2. Thowlat Noora Parveen, B and Manikandaselvi, S. Production of lipase enzyme by *Aspergillus flavus* using groundnut waste. International Journal of Pharmtech research. 2011, 3(3) : 1299- 1302.
3. Geetha, S and Manikandaselvi, S. Antibacterial activities of *Cleome viscosa*, *Hygrophila auriculata*, *Aristida stricta* on isolated, characterized *Lactobacillus* and *Streptococcus* from milk. Journal of pure and applied microbiology. 2011, 5(2): 0953- 57.
4. Manikandaselvi, S and Nithya, V. Development and biochemical analysis of Fe supplementary Nutraceuticals from *Moringa oleifera* and *Amaranthus polygonoides*. Advances in Pharmacology and Toxicology. 2011, 12(3):47-51.
5. Manikandaselvi, S, Subalakshmi, R, Thinagarbabu, R and Ravikumar, R. Evaluation of anti-diabetic potential of ethanolic extract of Leaves of *Ficus bengalensis* Linn. International Journal of Pharma and Bio Sciences. 2012, 3(2):0997-1004.
6. Manikandaselvi, S, Mahalakshmi, R, Thinagarbabu, R and Angumeenal, AR. Neuroprotective activity of S-Allylcysteine on Haloperidol induced Parkinson's disease in albino mice. International Journal of Pharm Tech Research. 2012, 4(2): 669-75.
7. Manikandaselvi, S, Ezhilarasi, S and Vaithehi, R. Modulation of lysosomal enzymes activity by *Carica papaya* Linn. and *Solanum torvum* Linn. in carbon tetrachloride vapour induced liver damage in rats. Journal of Chemical and Pharmaceutical Research. 2012, 4(2):1235-38.
8. Manikandaselvi, S, Ramya, D, Ravikumar, R and Thinagarbabu, R. Evaluation of antinephrotoxic potential of *Azima tetracantha* Lam. and *Tribulus terrestris* Linn. International Journal of Pharmacy and Pharmaceutical Sciences. 2012, 4(3):566-68.
9. Sudha, A, Srinivasan, P, Manikandaselvi, S and Thinagarbabu, R. Protective effect and antioxidant role of *Achyranthus aspera* L. against ethanol-induced oxidative stress in rats. International Journal of Pharmacy and Pharmaceutical Sciences. 2012, 4( 3):280-84.
10. Sudha, A, Srinivasan, P, Manikandaselvi, S and Sumathi, K. Antihepatotoxic activity of crude flavanoid fraction of *Lippia nodiflora* L. on ethanol induced injury in rats. Asian Journal of Animal Science. 2013, 2(1):464-75.
11. Sambasivam Manikandaselvi, Ravikumar, R, Thinagarbabu, R, Davidraj C and Arvind, S. Hepatoprotective potential of *Azima tetracantha* Lam. and *Tribulus terrestris* Linn. on ferrous sulphate induced toxicity in rats. Bagladesh Journal of Pharmacology. 2013, 8:357-60.
12. Manikandaselvi, S and Brindha, P. Chemical standardization studies on *Capparis spinosa* L. International Journal of Pharmacy and Pharmaceutical Sciences. 2014, 6(1):47-54.
13. Brindha, P, Manikandaselvi, S and Saralla, RP. Quality control studies on *Luffa acutangula* L. International Journal of Pharmacy and Pharmaceutical Sciences.

- 2014, 6(1):55-62.
14. Brindha, P, Manikandaselvi, S, Nandhini, S and Saralla RP. Comparative chemical standardization studies on *Embllica officinalis* Gaertn. fruits collected from two different localities. International Journal of Pharmacy and Pharmaceutical Sciences. 2014,6(1):63-9.
  15. Manikandaselvi, S, Nandhini, S and Priya, E. Study the antifertility activity of *Lemonia caranulata* in albino rats. Scientific Transactions in Environment and Technovation. 2014, 130-4.
  16. Manikandaselvi, S, Angumeenal, AR, Thilagam, S, Poornima, V and Thinagarbabu, R. Immuno stimulant activity of *Heterostemma tanjorens* (Wight & Arn) on azathioprine induced male albino rats. Journal of Applied Pharmaceutical Science. 2015, 5 (08):139-42.
  17. Manikandaselvi, S, David Raj, C, Aravind, S, Ravikumar, R, Thinagar babu, R and Nandhini, S. Anti-anemic activity of sprouts of *Vigna radiate* L. in male albino rats. International Journal of Pharmacy and Pharmaceutical Sciences. 2015, 7(11):263-7.
  18. Sambasivam Manikandaselvi, Vellingiri Vadivel and Pemaiah Brindha. *Caesalpinia bonducella* L.: A nutraceutical plant. Journal of Chemical and Pharmaceutical Research. 2015, 7(12):137-42.
  19. Sambasivam Manikandaselvi, Vellingiri Vadivel and Pemaiah Brindha. Studies on Nutraceutical Properties of *Caesalpinia bonducella* L.: An Indian Traditional Medicinal Plant. Research Journal of Medicinal Plant. 2016, 10(2):1-13.
  20. Sambasivam Manikandaselvi, Vellingiri Vadivel and Pemaiah Brindha. Nutraceuticals – An overview. International Journal of Pharma and Bio Sciences. 2016, 7(1): 284 –96.
  21. Rathnasamy Rishikesan, Ravikumar Raju, Sambasivam Manikandaselvi, R. Thinagarbabu and Aravind Sivasubramanian. Isolation and Characterisation of Clerodane diterpenoids from the traditional medicinal plant –*Tinospora glabra* (Burm. f.) Merrill. Der Pharmacia Lettre. 2016, 8 (8):280-7.
  22. Sambasivam Manikandaselvi, Vellingiri Vadivel and Pemaiah Brindha. Review on Nutraceutical Potential of *Cassia occidentalis* L.– An Indian Traditional Medicinal and Food Plant. International Journal of Pharmaceutical Sciences Review and Research. 2016, 37(2):141-6.
  23. Sambasivam Manikandaselvi, Vellingiri Vadivel and Pemaiah Brindha. Review on Ethnobotanical Studies of Nutraceutical Plant: *Capparis spinosa* L. (Caper). Asian Journal of Pharmaceutical and Clinical Research. 2016, 9(3):123-6.
  24. Sambasivam Manikandaselvi, Vellingiri Vadivel and Pemaiah Brindha. Review on *Luffa acutangula* L.: Ethnobotany, Phytochemistry, Nutritional Value and Pharmacological Properties. International Journal of Current Pharmaceutical Review and Research. 2016, 7(3);151-5.
  25. Sambasivam Manikandaselvi, Vellingiri Vadivel and Pemaiah Brindha. Studies on physicochemical and nutritional properties of aerial parts of *Cassia occidentalis* L. Journal of Food and Drug analysis. 2016, 24(3);508–15.
  26. Manikandaselvi, S, Thingarbabu, R and Thafsila Aafrin AM. Physiochemical and microbial analysis of pond water at Sundarakkottai, Thiruvavur District, Tamil Nadu, India. Scientific Transactions in Environment and Technovation. 2016, 9(4): 182- 7.
  27. Sambasivam Manikandaselvi and Pemaiah Brindha. 2017. In vitro antioxidant, anti-inflammatory and antibacterial activities of the lyophilized aqueous extract of fruits of *Luffa acutangula* L. Asian Journal of Pharmaceutical and Clinical Research. 10(2); 246-52.

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32. Sambasivam Manikandaselvi, Vembaiyan Sathya, Vellingiri Vadivel, Natarajan Sampath and Pemaiah Brindha. Evaluation of bio control potential of AgNPs synthesized from *Trichoderma viride*. Adv. Nat. Sci.: Nanosci. Nanotechnol. 2020. 11(035004):(8pp).
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34. Manikandaselvi, S, Sudha, A, Prabhu, PC, David Raj, and Brinda, P, 2021, Biochemical Evaluation And Scientific Validation Studies Of An Herbal Nutraceutical (IN PRESS).
35. Manikandaselvi, S and Janani, S. Mechanistic aspects of active phytochemicals against spike protein to combat Severe Acute Respiratory Syndrome – Coronavirus 2: A molecular docking approach. BioGecko. 2023. 12 (3): 5174-5188.
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#### 24. Book Chapter 4

1. In vitro antioxidant and anticancer efficacies of ethanolic fruit extract of *Ziziphus jujube* Mill. Asian Journal of Pharmaceutical and Clinical Research.
2. In vitro antioxidant, anti- inflammatory and antibacterial activities of the lyophilized aqueous extract of fruits of *Luffa acutangula* L. Asian Journal of Pharmaceutical and Clinical Research.
3. Evaluation of bio control potential of AgNPs synthesized from *Trichoderma viride*. Adv. Nat. Sci.: Nanosci. Nanotechnol.
4. Comparative Studies on Nutritional profile of unripen fruits of *Carica papaya* L. collected from two different locations, Recent advances in Pharmaceutical Sciences, Volume 6, 2021, 71-89. ISBN 978-93-91538-19-4.

#### Proceedings 5

1. Manikandaselvi, S, Kavinilavu, T, Anitha, S, Sumitha, V, and Brindha, P. LC-MS analysis and antibacterial activity of flower buds of *Capparis spinosa* L. Herbal drug development, 2017, 51-57. ISBN 978-9-384008-27-7.
2. Saranya, R, Vijayalakshmi, T and Manikandaselvi, S. Invitro antioxidant and anticancer activities of salt of *Opuntia dillenii*. Novel approaches in Cancer Research and Therapy, 2019, 33-46. ISBN 978-9-384008-78-9.
3. Mannikandaselvi, S. Mechanistic aspects of active Phytochemicals to combat Severe Acute Respiratory Syndrome – Coronavirus 2 through nsp12: A molecular docking approach, 2023, 17-28, ISBN-9789384008826
4. Phytochemical screening and in vitro biological activities of *Grewia asiatica* L. 2024, 35-41,

ISBN: 978-93-84008-10-9.

5. Mechanistic aspects of phytochemicals from aerial part of *Mucuna pruriens* to combat Cardiovascular Diseases through Thrombosis, 2024, ISBN: 978-93-84008-06-2.

**25. Patent Filed**

**1**

Application Number : 202321037115

Date of Filing : 30/05/2023

Title of Invention : Identifying Micro Organisms from Marine Sediments: Human Nutrition and Health in claims

Field of Invention : Bio-Medical Engineering

**26. Membership in other professional bodies**

**2+4**

- Life Member in Indian science congress Association
- Life Member in Indian Researcher Association
- Researcher ID,
  - Web of Science Researcher ID-AAA-2323-2021
  - ORCID ID- 0000-0003-0096-5518
  - Scopus ID- 48662624500
  - <https://vidwan.inflibnet.ac.in/profile/591607>

**27. Acts as Convenor & Co-Convenor**

**4+9**

**Acts as Convenor**

- Awareness programme on An overview of Intellectual Property Rights organized by IPR cell, STET Women's College (A), Mannargudi on 09.12.2021.
- Awareness programme on Intellectual Property Rights (Under National Intellectual Property Awareness Mission- NIPAM) organized by IPR cell, STET Women's College (A), Mannargudi on 26.04.2022.
- Workshop on Bibliographic information sources in academic world organized by IPR cell, STET Women's College (A), Mannargudi on 09.01.2023.
- Faculty Development Programme on IPR- Concepts to Compliance organized by IPR cell, STET Women's College (A), Mannargudi on 07.10. 2023.

**Acts as Co-convenor**

- National Seminar on Biotechnological and Nanotechnological Approaches in Food Processing at S.T.E.T.Women's College, Mannargudi on 21.1.2012.
- Science Exhibition at S.T.E.T.Women's College, Mannargudi on 22 & 23.02.2017.
- National Seminar on Herbal Drug Development at S.T.E.T.Women's College, Mannargudi on 22.09.2017.
- International Conference on Novel approaches in Cancer Research and Innovation at S.T.E.T. Women's College, Mannargudi on 26.09.2019.
- Two day Faculty Development Programme on Understanding Pedagogy and Research Output organized by PG and Research Department of Biochemistry, S.T.E.T Women's College, Mannargudi on 23 & 24.06.2021.
- International Conference on Phytotherapeutics organized by PG and Research Department of Biochemistry, S.T.E.T Women's College, Mannargudi on 10.02.2023.
- CSIR-HRDC sponsored National Conference cum Workshop on Determination of three Dimensional Structures of small and macromolecules using Single Crystal X-Ray Diffraction by PG and Research Dept of Chemistry and Physics , S.T.E.T.

Women's college (Autonomous), Sundarakkottai, Mannargudi on 11.12.2023 - 15.12.2023.

- DBT-CTEP sponsored International Conferences on Structural Biology and Drug Discovery conducted by PG and Research Dept of Biochemistry in association with IQAC, S.T.E.T. Women's college (Autonomous), Sundarakkottai, Mannargudi on 16.02.2024-17.02.2024
- International Conferences on Phytopharmaceuticals- An Emerging Platform to Sustainable Health Care conducted by PG and Research Dept of Biochemistry in association with IQAC, S.T.E.T. Women's college (Autonomous), Sundarakkottai, Mannargudi on 25.09.2024-26.09.2024.

## 28. Positions Held in STET College:

- Class in charge (2007-Till date)
- Bus in charge (2008-Till date)
- Alumini Vice President (2013-2015)
- NAAC Criterion V Incharge (2014-Till date)
- In charge, Certificate course on "Medical Laboratory Techniques" (2014-2020)
- Tutor, Diploma Course on "Medical Laboratory Techniques" (2018- Till date)
- IPR Co-ordinator (2020-Till date)
- BoS Member (2020-Till date)
- IAEC – Scientist from different Biological Discipline (2023-2024)
- IAEC – Scientist from different Discipline (2024-Till date)
- ASMITA committee Co-ordinator

## 29. Other Positions Held

PURPOSE	PLACE & YEAR
M.Phil. Biochemistry Research Adviser	Bharathidasan University, Trichy. (2007-Till date)
UG. Valuation Examiner	<ul style="list-style-type: none"> <li>• Bharathidasan University, Trichy.</li> <li>• ADMC (A), Nagapattinam.</li> <li>• Rajah Serfoji Govt. College, Thanjavur.</li> </ul>
UG Practical External & Internal Examiner	<ul style="list-style-type: none"> <li>• Bharathidasan University, Trichy. (2006- Till date)</li> <li>• ADMC (A), Nagapattinam.</li> </ul>
UG. Valuation Chief Examiner	Bharathidasan University, Trichy. (2019-2022)
Question paper setter	<ul style="list-style-type: none"> <li>• Sri Manakula Vinayagar Engineering College, Madagadipet, Puducherry.</li> <li>• Alagappa University, Karaikudi.</li> <li>• St. Joseph College, Trichy.</li> <li>• Rajah Serfoji Govt. College, Thanjavur.</li> <li>• Bharathiyar University, Coimbatore.</li> <li>• Poompuhar College (A), Melaiyur .</li> <li>• ADMC (A), Nagapattinam.</li> </ul>
Question paper scrutinizer	ADMC (A), Nagapattinam. (2018- Till Date)
Deputy Hostel warden	Meenakshi Ramasamy College, Thathanur. (2005-07)

Science exhibition member	<ul style="list-style-type: none"> <li>• Meenakshi Ramasamy College, Thathanur. (2005-06)</li> <li>• STET- 2017</li> </ul>
Acts as Chair Person in Intercollegiate Competition	Marudhupandiyar College, Thanjavur. (2018)
Committee member	<ul style="list-style-type: none"> <li>• National Seminar- 2012, 2017</li> <li>• International Conference- 2019</li> <li>• Online Webinar- 2021</li> <li>• Online FDP- 2021</li> <li>• Workshop</li> </ul>
Journal Reviewer	<ul style="list-style-type: none"> <li>• Complementary Therapies in Medicine (Elsevier/Scopus)</li> <li>• Arab Journal of Gastroenterology (Elsevier/Scopus)</li> <li>• Journal of Herbal Medicine (Elsevier/Scopus)</li> <li>• Indian Journal of Natural Products and Resources (Elsevier/Scopus/WOS)</li> <li>• Journal of Pharmaceutical Research International (WOS)</li> <li>• Current Journal of Applied Science and Technology (WOS)</li> </ul>
Received Mahakavi Bharathiyar Trust and A.T.Paneerselvam Trust merit fellowships at the level of M.Phil., Biochemistry	Tamil University, Thanjavur. (2001-2003).