

RESUME

- 1. Name** : Dr.V.SARATHA
2. Address (residential) : W/o R.Venkatesan,
No.98, Main Road,
Soorappallam,
Pattukkottai-614601
- Designation** : Assistant Professor
3. Department : Biochemistry
4. Age & Date of Birth : 43 & 03.06.1981
5. Area of Specialization : Biochemistry
6. Educational Qualifications : M.Sc., M.Phil., Ph.D.,

Exam Passed	Board/ University	Subjects	Year	Division/ Grade Merit Etc
High school	State	-	1996	64%
Higher Secondary	State	Maths with Biology	1998	65%
Bachelor's Degree (s)	Bharathidasan	B.Sc., Biochemistry	1998 - 2001	First Class, 64%
Master's Degree (s)	Bharathidasan	M.Sc., Biochemistry	2001- 2003	First Class, 66%
Research Degree (s)	Bharathidasan	M.Phil., Biochemistry	2006- 2007	First Class, 76%
Others	University of Madras	Ph.D., Biochemistry	2007- 2012	-

Total Teaching Experience

S.No	Name of The Institution	From	To
1	Jaya College of arts & science, Chennai	26.06.2013	10.05.2015
2	STET Women's College, Mannargudi	19.06.2015	31.05.2022

Research Projects:

Details of the projects				
S. No.	Title of the Projects	Funding Agency	Fund (Rs. In lakhs)	Status Ongoing / Completed
1.	“Synthesis And Characterization of Silver Nano Particles From Ethanolic Extract Of <i>Erythrina Indica</i> And Evaluation Of Antiproliferative Effect On Breast Cancer Cell Line Mcf-7”.	UGC	1,18000	Completed
2.	Cytotoxic and Flow Cytometry Analysis of Cancer Cell Death Induced By the Ethanolic Extract of <i>Physalis Peruviana</i> Fruits	TNSCST	7,500	Completed
3.	Macro and Micro nutrient composition of some indigenous green leafy vegetables	Seed Money STET Women’s College (Auto),	10,000	Completed

Academic Staff College Orientation / Refresher Courses / NPTEL / SWAYAM Attended

Name Of the Course	Name of the Academic Staff College	Name of the university	Duration	Sponsoring agency if any
NPTEL Online Certification Human Molecular Genetics	Indian Institute of Technology, Kanpur	-	February - March (4 week course)	M HRD, Government of India
NPTEL Online Certification Introduction to Research Methodology	Indian Institute of Technology, Madras	-	February to April 2019 (8 week course)	M HRD, Government of India

Conferences attended & Paper presented

1. “National Conference on Natural Products in Health and Disease” February 29th to March 2nd, 2008, Annamalai University.
2. “National Conference on New Frontiers and Current Trends in Biochemistry. October 18th to 19th, 2008, University of Madras.

3. "National Conference on Diabetes Mellitus and Cancer" December 19th and 20th, 2009, Annamalai University.
4. National Conference on "The Role of Free Radicals in Health and Disease" January 27 and 28th, 2012, University of Madras.
5. National Conference on "Emerging trends in Biological Research" February 21st 22nd, 2011, University of Madras.
6. National Conference on "Phytochemicals in Medicinal Plants and Food, July 30th, 31st, 2015.
7. International Conference on Natural Products and Biomedical Technology January 10-12, 2011, Annamalai University.
8. Participated and presented a paper on Effect of Triterpenes from *C.gigantea* latex extract on lipid peroxidation in Adjuvant induced arthritics in rats in the National Conference on Photochemical in medicinal plants and food sponsored by TNSCST and BIOELIXIR organized by the Department of Biochemistry held on 30th & 31st July 2015 at Bharathidasan University Constituent College for Women, Orathanadu.
9. Participated and presented a paper on "Anti-arthritic activity of Lupeol in Freund's complete adjuvant induced arthritic rats" in the International Conference on Clinical Research (ICCR-2016) organized by Department of Biochemistry, Shrimati Indira Gandhi College, Tiruchirappalli on 25th January 2016.
10. Participated National Symposium on Medicinal and Aromatic Plants (NASYMP'17) St. Joseph's College (A), Trichy on 15.02.2017.
11. Participated and presented a paper on Synthesis of silver Nanoparticles using *Erithrina indica* and evaluate their antibacterial activity in the National Seminar on Herbal Drug Development organized by the PG & Research Department of Biochemistry, S.T.E.T Women's College, Mannargudi on 22.09.17.
12. Participated and presented a paper on Evaluation of Cytotoxic Activity of Silver Nanoparticles against Normal and Cancer Cells and Its Anticancer Potential through Induction of Apoptosis in International conference on cancer prevention and its prevention strategies, 22.02.2019. Periyar EVR College (A), Tiruchirappalli.

Seminars attended and Paper presented

1. One day Seminar on “Herbal Analysis and Applications” October 29th, 2008, University of Madras.
2. Delegate National Seminar on “Cellular and Molecular Neurobiology in Health and Disease” February 11th and 12th, 2011, University of Madras.
3. Regional Symposium on Newer Challenges in Laboratory Diagnosis for Life Style Disease” December 17th and 18th, 2007. Loyola College, Chennai.
4. Regional Symposium on Newer Challenges in Laboratory Diagnosis for Life Style Disease” December 17th and 18th, 2007. Loyola College, Chennai.
5. National Seminar on Phytotherapeutics. 29th & 30th March 2010, St. Josephs College, Trichy
6. Participated in the International Seminar on Frontiers in Biological Sciences (ISFBS’16) organized by St. Joseph’s College (A), Trichy on 16.12.2016.
7. Participated in the One Day International Seminar on Chemical Biology organized by PRIST University, Vallam Thanjavur on 29.12.2016.

Workshops Attended:

1. Participated in the Science Academies Lecture Workshop on Current Scenario in Life Sciences organized by the PG & Research Department of Microbiology, PG & Research Department of Biochemistry and Department of Nutrition and Dietetics, Sengamala Thayaar Educational Trust Women’s College, Mannargudi on 11.10.17 & 12.10.17.
2. Participated in the International Workshop on Biochemical & Bioinformatics Techniques organized by Shrimathi Indira Gandhi College, Trichy on 05.09.17.
3. International Workshop on Research Methodology. 04.01.2019. STET, Mannargudi.

Faculty Development Programme attended

1. Participated in the Faculty Development Programme on “Office Management” on 31.12. 2016 organized by S.T.E.T Women’s College, Mannargudi.

2. Participated in the Faculty Development Programme on “From Good to Great” and Non Verbal Communication for Teachers on 26.09.2015 organized by S.T.E.T Women’s College, Mannargudi.
3. Faculty Development Programme on Communication Skill. 11.04.2017.S.T.E.T Women’s College, Mannargudi.
4. Faculty Development Training Program on Introduction to Research. February to April 2019. Conducted by NPTEL- AICTE through online.

Research Articles Published

- Evaluation of wound healing potential of *Calotropis gigantea* latex studied on excision wounds in experimental rats. **V. Saratha**, S. Subramanian and S. Sivakumar. *Medicinal Chemistry Research*, 2010 19:936–947
- Evaluation of antibacterial activity of *Calotropis gigantea* latex extract on selected pathogenic bacteria. S. Subramanian and **V. Saratha**. *Journal of Pharmacy Research*, 2010, 3(3): 517-521
- Evaluation of antifungal activity of *Calotropis gigantea* latex extract: an in vitro study. **Venkatesan Saratha** and Sorimuthu Pillai Subramanian. *International Journal of Pharmaceutical Sciences and Research* (2010), Vol. 1 (9):88-96.
- Isolation and Characterization of Lupeol, a triterpenoid from *Calotropis gigantea* latex. **V. Saratha**, S. Iyyam Pillai S. Subramanian, *International Journal of Pharmaceutical Sciences Review and Research* 10 (2): 2011; 54-57.
- Lupeol, a triterpenoid isolated from *Calotropis gigantea* latex ameliorates the primary and secondary complications of FCA induced adjuvant disease in experimental rats. **V.Saratha** and S. Subramanian, *Inflammopharmacology*, 20(1)2012, 27-375.
- Phytochemical Screening, HPTLC Analysis and *invitro* Antioxidant Potential of Ethanolic Extract of *Nelumbo Nucifera* Seeds. Volume 7, Issue 1, *World Journal Of Pharmacy And Pharmaceutical Sciences*, 12 Dec. 2017.
- Synthesis of Silver Nanoparticles from *Gymnema Sylvestre* Leaf And Evaluation of Their *Invitro* Antidiabetic Activity. *World Journal of Pharmaceutical Research*. 6(15): 693-705. 2277-7105.
- Screening of *In vitro* Antioxidant activity of Methanolic leaf extract of *Musa Paradisiaca*. *International Journal of Research and Analytical Reviews*. 2019. 6(1); 1228-1234. ISSN 2340 – 1209
- Evaluation of *In vitro* Antioxidant Activity and High-Performance Thin-Layer Chromatography Finger Printing Analysis of *Physalis peruviana* Fruits *International Journal of Pharmaceutical and Drug Research*. 2020;12(4):384-389.

Book Published

- Phytochemical Analysis and Pharmacological Potential of Cardamom
Nova Science Publishers, New York.

Research Experiences:

Dissertation and Thesis submitted

Ph.D. in Biochemistry, University of Madras, 2012

Thesis Title: Biochemical Studies on The Wound Healing And Antimicrobial Properties of *Calotropis Gigantea* Latex Extract and Evaluation of Antiarthritic Potential of Lupeol, A Triterpenoid Isolated and Characterized From The Latex Studied In Adjuvant- Induced Arthritic Rats.

M.Phil. in Biochemistry, Bharathidasan University, 2007

Dissertation Title: Gestational Diabetes Mellitus

M.sc., in Biochemistry, Sengamalathayar Educational Trust Women's College,
Bharathidasan University, 2003

Dissertation Title: Research on the Antimicrobial Activity of Medicinal Plants.

12. Programmes attended

Biofarm, Ponni Agro Park, Tropical Bio Science and Tropical Agro System, Coimbatore to uplift knowledge in the fields of Clinical Biochemistry, Molecular Biology and Biotechnology.

Personal Profile:

Gender	:	Female
Husband's Name	:	R. Venkatesan
Date of birth	:	03-06-1981
Marital Status	:	Married.
Passport number	:	F3159356
Email id	:	sarathabiochem@gmail.com
Mobile No.	:	9344210950

I hereby declare that the above information provided by me is true to the best of my knowledge.

Place: Pattukkottai

yours faithfully,

Date:

Dr. V. Saratha