

## RESUME

Name : **Dr. K. Suganthi**  
Address : 1072/4 South street  
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Tamil Nadu, India  
Mobile No : 6380107907  
Mail ID : [suganthymathi2015@gmail.com](mailto:suganthymathi2015@gmail.com)  
Designation : Assistant Professor  
Department : Biochemistry  
Date of Birth : 15.06.1978  
Educational Qualifications : M.Sc., M.Phil., Ph.D.,



### Educational Qualification

Exam Passed	Board/University	Subjects	Year	Division/Grade Merit etc.
High School	State	Tamil, English, Maths, Science, and Social Science	1995	68.4 %
Higher Secondary	State	Tamil, English, Physics, Chemistry, Botany and Zoology	1997	71%
Bachelor's Degree B.Sc.,	Bharathidasan University Tiruchirappalli	Biochemistry	2000	65.2%
Master Degree M.Sc.,	Bharathidasan University Tiruchirappalli	Biochemistry	2002	72 %
Research Degree M.Phil.,	Bharathidasan University Tiruchirappalli	Biochemistry	2008	80.3 %
Ph.D.,	Bharathidasan University Tiruchirappalli	Biochemistry	Aug-2021	Highly commended

**Total Teaching Experience as on 30.11.2024**

S. No	Name of the Institution	From	To	YY/MM/DD
1	Meenachi Chandrasekaran College of arts and Science, Karambayam. Pattukkottai	07.06.2012	19.05.2018	05/11/12
2	S.T.E.T Women's College (Auto), Mannargudi	31.01.2022	Till Date	02/10/

**Total Teaching Experience as on 30.11.2024**

Name of the Institution	From	To	Subjects Taught
Meenachi Chandrasekaran College of arts and Science, Karambayam. Pattukkottai	07.06.2012	19.05.2018	Biomolecules, Biochemical Techniques, Human Physiology, Enzymes, Pharmaceutical Biochemistry, Clinical Biochemistry, Bioenergetics and Metabolism, Basic Biotechnology, Microbiology, Herbs and Drug Action, Analytical Techniques, Genetic Engineering, Cell Biology and Physiology, Biochemical and molecular biology techniques, Enzymology, Immunology, Biotechnology, Developmental Biology, Endocrinology, Bioinformatics, Research Methodology, General Biochemistry Principles of Nutrition. Nutrition Through Lifecycle, Health and diseases, Life style diseases, Value Education, Environmental Studies, Soft skill Development and Gender Studies
S.T.E.T Women's College (Auto), Mannargudi	31.01.2022	Till Date	

## Conferences attended:

1. Participated in the National Conference on Phytochemicals in medicinal plants and food sponsored by TNSCST and BIOELIXIR organized by the Department of Biochemistry held on 30<sup>th</sup> & 31<sup>st</sup> July 2015 at Bharathidasan University Constituent College for Women, Orathanadu.
2. Participated in the National seminar on “Herbal drug development” organized by the Department of Biochemistry held on 22<sup>nd</sup> September 2017 at Sengamal Thayaar Educational Trust Women’s College, Mannargudi.
3. Participated in the UGC Sponsored National Conference on Phytochemicals in Medicinal Plants and Food (MEDFOOD’18) organized by Bharathidasan University Constituents College for Women, Orathanadu on 01.02.18.
4. Participated in the National Seminar on Current Perspectives and Challenges in Biological Sciences (NCPCBS) organized by Rajah Serfoji Government College (A), Thanjavur on 06.03.18.
5. Participated in the International Conference on the New Vistas in Life Sciences organized by Holy Cross College (A), Tiruchirappalli on 11.09.2018.
6. Participated in the International Conference on Cancer Infection and its Prevention Strategies on 22.02.2019 at PG Department of Biochemistry Periyar EVR College, Tiruchirappalli
7. Participated in the Inter National Conference on Novel approaches in cancer research and Therapy on 26.09.2019 at Sengamal Thayaar Educational Trust Women’s College, Mannargudi.
8. Participated in the National Conference on “Recent trends in drug discovery, Development and targeted delivery system for cancer-2019”, at J.J. College of Arts and Science, Pudukkottai, 26<sup>th</sup> and 27<sup>th</sup> September 2019
9. Presided over a “Healthy foods for healthy life” on 25.03.2019 conducted by National service scheme at Bharathidasan University and Bharathidasan Constituent College for Women, Orathanadu.
10. Participated and presented a paper on “antiobesity activity of *SARGASSUM WIGHTII* on high fructose fed rats” in the one day National Seminar on Cancer Biology and Epidemic Diseases on 31.01.2020, organized by Meenakshi Chandrasekaran College of Arts and Science for women Pattukkottai
11. Presented a paper in the “International Conferences on Recent Advancements in Therapeutics ICRAAT-2022 conducted by Dept of Biochemistry, Shrimathi Indira Gandhi College, Tiruchirappalli on 17.08.2022.
12. Participated and presented a paper on Micronutrients and vitamin analysis of *Sargassum wightii* in the 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. Participated and presented a paper on Antibacterial activity *Sargassum wightkii* in the 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. Participated and presented a paper on Uv visible spectroscopic and FTIR analysis of *Sargassum wightii* in the National Conference on “Recent advances in chemistry”(NCRAC2023) organized by Department of Chemistry, S.T.E.T Women’s College, Mannargudi on 07.03.2023.

15. Participated and presented a paper on Phytochemical constituents of marine brown seaweeds- *Sargassum wightii* in the National Conference on Recent Advances in Value Addition and Food Processing (NCFP-2023) organized by Department of Nutrition and Dietetics, S.T.E.T Women's College, Mannargudi on 23.03.2023.
16. Participated in the CSIR-HRDC Sponsored National Level Conference cum Workshop on Determination of three-dimensional structure of small and macromolecules using Single Crystal X-ray Diffraction organized by Department of Physics and Department of Chemistry in association with IQAC of S.T.E.T Women's College (Autonomous), Sundarakkottai, Mannargudi from 11.12.2023 to 15.12.2023.
17. Participated and presented a paper in the National Conference organized by Department of Microbiology, M.R.Government Arts College, Mannargudi from 08.01.2024 to 10.01.2024.
18. Participated and presented a paper in the DBT-CTEP sponsored International Conference on Structural Biology and Drug Discovery. (ICSBDD-2024) organized by Department of Biochemistry in association with IQAC and Bioinformatics and Drug Discovery Society (BIDDS), S.T.E.T Women's College (Autonomous), Sundarakkottai on 16.02.2024 & 17.02.2024.
19. Participated and presented a paper in the International conference on "Inspiring Microbiome for the Future Generation" Organized by PG and Research Department of Microbiology in association with Microbiologists Society, India (MBSI) And Internal Quality Assurance Cell (IQAC), S.T.E.T Women's College (Autonomous), Sundarakkottai, Mannargudi on 26.02.2024 & 27.02.2024.
20. Participated in National Level Conference on Emerging trends in research methodology organized by Department of Economics in association with IQAC of T.E.T Women's College (Autonomous), Sundarakkottai, Mannargudi on 01.03.2024 & 02.03.2024. participated and presented papers in an International Conference on "Recent Research Trends in Physical and Biochemical Sciences (RRTPBS) 2024" organized by Idhaya College, Sarugani on 19.09.2024 and 20.09.2024
21. Participated and presented a paper in the International Conferences on Phytopharmaceuticals-An Emerging Platform to Sustainable Health Care (ICPEPSH-2024)" organized by PG and Research Department of Biochemistry in association with IQAC, S.T.E.T. Women's College (Autonomous), Sundarakkottai, Mannargudi on 25.09.2024 & 26.09.2024.
22. Participated, presented and published Research papers in the Conference Proceeding with ISBN in an International Conference on "Exploring the Frontiers of Lifesciences; Interdisciplinary Prospectives-EFLS'24" organized by Seethalakshmi Ramasamy College, Thiruchirappalli on 23.12.2024. Participated and presented their research findings in A One day international conference on "Phytochemicals as Lead Compounds in New Drug Discovery" organized by Rabinammal College of Arts and Science, Tiruvarur on 24.01.2025.
23. Participated, presented and published the Research papers in the Conference Proceeding with ISBN in an International conference on "New Directions in Environmental Ecology and Historical Climate changes for Sustainable Future" organized by Maruthupandiyar College of Arts and Science, Thanjavur on 13.02.2025.
24. Participated and presented papers in National Conference on "Microbial Insights: Current trends, Challenges and Future Frontiers" organised by PG and Research Department of Microbiology in association with IQAC of STET Women's College, Sundarakkottai, Mannargudi under the Symposia grant scheme on 26.02.2025 and 27.02.2025.

- Participated in National Workshop on “Food safety and Quality Assurance” ( FSQA-2025) organised by Department of Nutrition and Dietetics in association with IQAC of STET Women’s College, Sundarakkottai, Mannargudi under the Symposia grant scheme on 03.03.2025 and 04.03.2025.

#### **PUBLICATIONS (PAPERS PUBLISHED IN JOURNALS)**

1	K. Suganthi, T. Malarvili, V. Sivaranjani, A. Domnic Amalraj, “Invitro antioxidant activity and scavenging effect of ethanolic extract of <i>Sargassam wightii</i> ” Journal of National Remedies (Online journal), Vol. 21, No. 6 (S1), 2020, pp. 107-114.
2	K. Suganthi, T. Malarvili, V. Sivaranjani, A. Domnic Amalraj, “In vivo evaluation of the antioxidant activity of seaweed <i>Sargassum wightii</i> in selected tissue on high fructose diet fed rats”, International Journal of Botany Studies, Vol. 5, Issue 6, 2020, pp. 277-283
3	Suganthi.K, Sivaranjani.V. Malarvili.T, Ramya. B, “Effect of <i>Sargassum wightii</i> on marker enzymes and inflammatory markers on selected tissues of rats fed with high doses of fructose”, Vol.43, No. 03(X), July-September(2020), ISSN: 2249-6661, Sambodhi, pp. 55-65
4	V. Sivaranjani, T. Malarvili, K. Suganthi, S, Mahalakshmi, “In vitro reactive oxygen and nitrogen species scavenging activity of <i>ulva reticulata</i> extract”, International Journal of Botany Studies, Vol. 6, Issue 1, 2021, pp, 150-154
5	Sivaranjani, V, Malarvili.T, Suganthi. K, Ramya. B (2021) Gas chromatography and mass spectroscopic analysis of bioactive compounds in <i>Ulva reticulata</i> extract, International Journal of Botany Studies, Volume 6, Issue 4, Page No. 407-410
6	Tamilarasi.T, Malarvili.T, Suganthi. K, Anitha. C,” Evaluation of Reactive Oxygen and Nitrogen Species Scavenging Activities of <i>Ulva lactuca</i> ” International Journal of Zoological Investigations Vol. 8, Special Issue, 143-151(2022)
7	Tamilarasi.T, Malarvili.T, Suganthi. K, Sivaranjani, V, “Assessment of <i>Ulva lactuca</i> Extract on Inflammatory Markers in Fructose Fed Experimental Rats” International Journal of Zoological Investigations Vol. 8, Special Issue, 160-166(2022)

#### **Faculty Development Programme attended**

- Participated in the 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
- 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.
- 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.
- 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.
- Participated in the Three Days Faculty Training Programme on “Implementation of

Outcome Based Education” organized by the IQAC, S.T.E.T Women’s College (Autonomous), Mannargudi from 07.06.2022 to 09.06.2022.

6. 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.
7. Participated in seven days workshop on Designing of Question Paper for Course Outcome Measurement and Question Bank Preparation Using Revised Bloom’s Taxonomy organized by IQAC and Office of the Controller of Examinations, S.T.E.T. Women’s College (Autonomous), Sundarakkottai, Mannargudi on 08.07.2023, 09.07.2023, 15.07.2023, 16.07.2023, 22.07.2023, 23.07.2023 & 12.08.2023.
8. Faculty Development Training Programme on “IPR-CONCEPTS TO COMPLIANCES” organized by IPR Cell, S.T.E.T. Women’s College (Autonomous), Sundarakkottai, Mannargudi on 07.10.2023.
9. A five day online International Faculty Development Programme on” Emerging Technologies and Future trends” organized by Department of Computer Science & Computer Applications, Forum for Information Technology organized by Layola College (Autonomous), Chennai from 15.10.2024 to 19.10.2024.
10. Participated in “The A Five-Day Workshop On “AI in Education” Organized by RCHUB Research Academy, Chennai in association with IQAC of STET Women’s College, (Autonomous), Sundarakkottai, Mannargudi from 16.12.2024 to 20.12.2024.
11. Participated in “A 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.

#### **Patent Filed**

Application Number : 202341004192

Date of Filing : 20/01/2023

Title of Invention : Detects Normal and Abnormal investigations in Digital MR Brain pictures using a Computer-Aided Medical Diagnostic Tool

Field of Invention : Bio-Medical Engineering

Publication Date (U/S 11A) : 17.02.2023

#### **PG Dissertations completed under my Guidance (11)**

#### **UG Group Project completed under my Guidance (03)**

#### **Refresher / Short term courses attended: -**

1. UGC-Sponsored Refresher Course in Biochemistry & Biotechnology organized by the UGC –Human Resource Development Centre (HRDC), Bharathidasan

University, Tiruchirappalli (on line mode) from 07.10.2022 to 20.10.2022

2. UGC-Sponsored Short-Term Course in Research and Publication Ethics organized by the UGC –Human Resource Development Centre (HRDC), Bharathidasan University, Tiruchirappalli from 20.09.2023 to 26.09.2023.

### **ADDITIONAL POSITIONS HELD IN COLLEGES**

#### **Positions Held in STET College:**

- Alumini in charge
- Tutor, Diploma Course on “Medical Laboratory Techniques”
- NAAG Criterion -VI and Criterion -VII Incharge
- Committee member
- Organizing Secretary

#### **Member in following committees in MCC College of Arts and Science:**

- a. Admission Committee
- b. Convocation Committee
- c. Discipline Committee
- d. TC Writing Committee
- e. Examination Committee

#### **Question Paper Setter for UG and PG Biochemistry**

- Rajah Serfoji Govt. College, Thanjavur
- Alagappa University, Karaikudi

#### **UG External Examiner**

- Central Valuation Bharathidasan University, Tiruchirappalli
- Alagappa University, Karaikudi