

RESUME

Name : **Dr. K. Suganthi**
Address : South street
Thennamanadu.
Orathanadu 614625
Tamil Nadu, India
Mobile No : 6380107907
Mail ID : 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
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Total Teaching Experience as on 30.10.2023

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	01/09/

Total Teaching Experience as on 30.10.2023

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,
S.T.E.T Women's College (Auto), Mannargudi	31.01.2022	Till Date	Basic Biotechnology, Microbiology, Herbs and Drug Action, Analytical Techniques, Genetic Engineering, Cell Biology and Physiology, Immunology, Biotechnology, Developmental Biology, Endocrinology, Bioinformatics, Research Methodology, General Biochemistry Principles of Nutrition. Nutrition Through Lifecycle,

			Value Education, Environmental Studies, Soft skill Development and Gender Studies
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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 30th & 31st 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 22nd 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, 26th and 27th 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 ICRAT-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.

PUBLICATIONS (PAPERS PUBLISHED IN JOURNALS)

1	K. Suganthi, T. Malarvili, V. Sivaranjani, A. Dominic Amalraj, “Invitro antioxidant activity and scavenging effect of ethanolic extract of <i>Sargassum 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. Dominic 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

1. 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
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.
5. 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.

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 (05)

UG Group Project completed under my Guidance (01)

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 (Duration: One Week - Mode: Online) from 20.09.2023 (Wednesday) to 26.09.2023 (Tuesday).

ADDITIONAL POSITIONS HELD IN COLLEGES

Positions Held in STET College:

- Alumini in charge
- Tutor, Diploma Course on “Medical Laboratory Techniques”
- NAAG Criterion -VI 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