

Ms.A.SWEDHA M.Sc., M.Phil., Ph.D Microbiology

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Academic Profile

COURSE	NAME OF THE INSTITUTION	BOARD/UNIVERSITY	YEAR OF COMPLETION	%
Ph.D (Microbiology)	A.V.V.M. Sri Pushpam College (Autonomous), Poondi.	Bharathidasan University	Doing	-
M. phil., (Microbiology)	Idhaya College for women Kumbakonam.	Bharathidasan University	2018	90%
M.sc., (Microbiology)	A.V.C. College (Autonomous) Mannampandal Mayiladuthurai.	Bharathidasan University	2017	75%
B.sc., (Microbiology)	Idhaya College for women Kumbakonam.	Bharathidasan University	2015	82%
Hr. Secondary	Town Higher Secondary School, Kumbakonam.	State Board (Tamil)	2012	65%
S.S.L.C	Town Higher Secondary School, Kumbakonam.	State Board (Tamil)	2010	66%

Experience

- ☞ 1 year -Teacher in Star Matriculation School in Ammachathiram, Kumbakonam.
- ☞ 1 year -Lab technician in Guhan Hospital & Infertility Centre, Mahadhana Street, Mayiladuthurai.
- ☞ Working as an Assistant Professor in Jamal Mohamed College, Tiruchirappalli from 20.09.2021 to present

TECHNICAL SKILLS

- ☞ COMPUTER – MS.OFFICE

ACTED AS RESOURCE PERSON

- ☞ Acted as a Resource person in the Young Student Scientist Programme (YSSP-2022) on “Isolation and Identification of Microorganisms” held on 25th May 2022, Tamil Nadu State Council for Science and Technology conducted at Jamal Mohamed College (Autonomous), Tiruchirappalli.

Technical expertise

- ☞ **Molecular Biology:** Isolation and Quantification of DNA, RNA and Protein; PCR and cloning.
- ☞ **Microbiology:** Media preparation and culturing of microbes; Isolation and biochemical identification of Bacteria and Fungi; Antibiotic sensitivity assays; cell immobilization and Bioprocess techniques.
- ☞ **Virology:** Isolation of Bacteriophage, Animal virus propagation.
- ☞ **Biochemistry:** Biochemical analysis of proteins; carbohydrates and lipids.
- ☞ **Immunology:** Immuno blotting; Western blotting; ELISA; Blood grouping.
- ☞ **Bioinformatics:** DNA Protein sequence analysis and phylogenetic Tree prediction.

ACADEMIC PROJECT

POST GRADUATE

- ☞ STUDIES ON VIBRIO SP. FROM SARDINELLA LONGICEPS COLLECTED FROM CHIDAMBARAM FISH MARKET.

MASTER OF PHILOSOPHY IN MICROBIOLOGY

- ☞ DETERIORATION OF BREAD BY FUNGI AND THEIR BIOCONTROL MEASURES.

Paper Publications

- ☞ **A. Swedha**, Dr.R.Krishnaveni, Dr.Eugin Amala (2019) DETERIORATION OF BREAD BY FUNGI AND THEIR BIOCONTROL MEASURES BY USING CITRUS LIMON. www.jetir.org (ISSN-2349-5162) Volume 6, Issue 2.
- ☞ **Swedha A**, Kanimozhi G. and Panneerselvam A. (2022) Seasonal Distribution of Bacterial Diversity in Marine Soil of Kodyakarai, Vedaranyam, Nagappattinam (DT.) *Res. Jr. of Agril. Sci.* (Sep-Oct 2022) 13(5): 1560–1565. www.rjas.org (UGC care list – Group 1).

Book Chapter Publications

- ☞ **Swedha. A** and Fasila Begum. A (2022) Book chapter 11 – Hologram technology. *Advances in Science and Technology* Volume 3. Ryan Publishers.
- ☞ **Swedha. A** Fasila Begum. A and Subashini. S (2022) Book chapter 1- Reiview of Alzheimer’s Disease. *Recent Research Trends In Medical and Biological Sciences* Volume 2.MKSES Publications Lucknow, India. •
- ☞ Vajiha Banu, H. M., Sumithra, P., Mohamed Mahroop Raja, M., & **Swedha, A.** (2023). Postbiotic Food Packaging Based on Organic Acids. In *Postbiotics* (pp. 373-379). New York, NY: Springer US.
- ☞ **Swedha, A.**, Kanimozhi, G., Panneerselvam, A. (2023). Detection of Anatoxins from Aquatic Samples by LC-MS. In: Thajuddin, N., Sankara narayanan, A., Dhanasekaran, D. (eds) *Protocols for Cyanobacteria Sampling and Detection of Cyanotoxin* . Springer, Singapore. https://doi.org/10.1007/978-981-99-4514-6_47

Seminars / Workshops/Webinars/FDP

- ☞ Participated national conference on trends in healthcare and biotechnology: opportunities & challenges (thboc-2016). I has presented paper screening of antimicrobial activity of bittergourd against pathogenic bacteria. held in A. Veeriya Vandayar memorial Sri Pushpam College (autonomous) at Poondi, Thanjavur, Tamil Nadu, India.
- ☞ Participated in workshop on “Bioprocess Technology and Analysis” conducted by
 - department of biotechnology national college (Tiruchirappalli).

- ☞ Participated in webinar on “ Tuberculosis: Update And The Road Ahead” Orgnized by Department of Biotechnology ,AVIT ,Chennai.
- ☞ Participated in “Online Workshop-Clone Tech-2k20” conducted by Dept. of Microbiology , Idahaya College For Women, Kumbakonam.
- ☞ Participated in the Online National Level Quiz organized by the PG& Research Department of Botany and Enviro club on World Environmental Day, Vellar College for Women (Autonomous), Erode.
- ☞ Participation and successful completion of E-Quiz on “Plant Tissues Culture” with the passing score 53% organized by Department of Botany, L.R.G. Government Arts for Women, Tripur.
- ☞ Participated in “COVID-19 Awarness Program”Online Quiz Organized by Dep. Of Biotechnology at Periyar Maniammai Institute Of Science & Technology , Thanjavur.
- ☞ Participation and successful completion of “National Level Quiz On Covid-19” Organized by Research Dept. of Biochemistry , Mohamed Sathak College Of Arts And Science ,Chennai.
- ☞ Participated in the webinar on “Guidelines for Writing Research Paper” orgained by Research Committee, Arasu Engineering College, Kumabakonam.
- ☞ Participated in National Webinar on “Modern Technologies in Life Sciences” organized by Department of Life science in association with Research&Development cell, Mass College of Arts And Science, Kumbakonam.
- ☞ Participated in online Quiz competition on “Awarness on Recent Issues in India – 2020” organized by PG& Research Department of Botany, Arignar Anna Govt.Arts College, Villupuram.
- ☞ Participated in the intercollegiate ENVIRONMENT and COVID-19 Awareness Quiz and scored 72% organized by the PG& Research Department of Botany,Thiyagarajar College, Madurai.
- ☞ Participated in the National level Webinar on “Bioprospecting of Medicinal Plants: Challenges and Opporutunites organized by the PG& Research Department of Botany, V.O.Chidambaram College, Thoothukudi.
- ☞ Participated in the National e-Conference on “Application of Microbial Consortium for Bioremediation of Coal mine spoils” in Ten days National e-conference Current Trends in Life Sciences organized by the Department of Biotechnology and Microbiology, GEMS College, Malapuram, Kerala.

- ☞ Participated national conference on POST COVID-19 COMPLICATIONS-A BIOTECHNOLOGICAL APPROACH (PCBA'22). Presented a paper on Seasonal Distribution of Bacterial Diversity in Marine Soil of Kodiyakarai, Vedaranyam, Nagappattinam (DT.) held at PG and Research Department of Biotechnology, Jamal Mohamed College (Autonomous), Tiruchirappalli.
- ☞ Hands on training of A State Level Workshop on Production and Formulation of Bioinoculants organized by PG and Research Department of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli.
- ☞ One week online Basic Course on Biomedical Research organized by science Tech Institute, Lucknow.
- ☞ Participated in the One Week Faculty Development Programme on the topic "UPSKILL YOUR RESOURCES"(Under UGC Autonomy Grant) organized by the Department of Business Administration (SF), Ayya Nadar Janaki Ammal College, Sivakasi from 07.07.2023 to 13.07.2023.
- ☞ Participated in the One Week Faculty Development Programme on Relevance of Ancient Indian Knowledge in the Contemporary Higher Education Scenario jointly organized by the Internal Quality Assurance Cell of V.V.Vanniaperumal College for Women, Virudhunagar and Jamal Mohamed College, Tiruchirappalli from 16.11.2023 to 22.11.2023.
- ☞ FOOD SAFETY SUPERVISOR Certificate of Competence completed training on the course Advance Manufacturing & COVID held at PG and Research Department of Microbiology Jamal Mohamed College (Autonomous) Tiruchirappalli, Tamil Nadu Conducted by EP Infoways Pvt Ltd.

POSTER PRESENTATION - International Level

- ☞ **International Conference** on Microbiome and Synthetic Biology(ICMSB-22) Organized by Department of Microbiology, Bharathidasan University & Society of Chemical and Synthetic Biology held on 22nd -23rdSeptember 2022

Personal Profile

Father Name : K.Asaithambi
 Date of Birth : 20.05.1995
 Sex : Female
 Address : 2/240 Sournambal Nagar,

Ammachathiram,
Kumbakonam (TK),
Thanjavur (DT).

Marital Status : Unmarried

Nationality : Indian

Hobbies : Gardening, Mushroom Cultivation.

Languages know : Tamil, English

Date: 14.12.2023

Place: Tiruchirappalli

Yours faithfully,



(A.SWEDHA)