

Ms.A.SWEDHA

M.Phil., 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%

TECHNICAL SKILLS

✓ COMPUTER – MS.OFFICE

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.

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 Kodiyakarai, Vedaranyam, Nagappattinam (DT.) *Res. Jr. of Agril. Sci.* (Sep-Oct 2022) 13(5): 1560–1565. www.rjas.org (UGC care list – Group 1).
- ✓ **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.

Seminars / Workshops

- ✓ 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. Veeriyar 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 “Awareness 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 Opportunities 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.

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,crafting, Mushroom Cultivation.
Languages know : Tamil, English

Date :

Yours faithfully,

Place:

(A.SWEDHA)