

# **SONIYA SREE SAKTHIVEL**

**[soniyasreesuma@gmail.com](mailto:soniyasreesuma@gmail.com)**

**+91 9363102103**

## **CAREER OBJECTIVE**

To obtain a responsible position in a reputable organization, where I can enhance my microbiology knowledge, research talents, and technical skills, while also contributing to the organization's success and creativity.

## **EDUCATION**

**2023-2025**

**M.Sc., MICROBIOLOGY**, Vivekanandha Art's and Science College for Women, Sankagiri, Salem Dt., Tamilnadu under Periyar University

- **8.514 CGPA**
- **Thesis title:** Salinity-induced Transcriptomic modulation in *Zea mays* enhanced by *Chlorella vulgaris* biostimulant

**2020-2023**

**B.Sc., MICROBIOLOGY**, Vivekanandha Art's and Science College for Women, Sankagiri, Salem Dt., Tamilnadu under Periyar University

- **8.320 CGPA**
- **Thesis title:** Isolation, Identification and Characterization of *Rhizobium* from *Arachis hypogaea* root nodules for Mass culture production.

## **WORK EXPERIENCE**

**JULY 2025 – PRESENT**

- Tutor-Microbiology  
Vivekanandha Arts and Science College for Women, Sankari

## **TECHNICAL SKILLS**

**Molecular-biology techniques:** PCR, DNA Electrophoresis (AGE/PAGE), DNA/RNA extraction, Spectrophotometer

**Major instrument handling:** Probe Sonicator, Trinocular microscope, Thermal cycler, Cooling centrifuge

**Analytical Software and Bioinformatics tools:** BLAST, MEGA, EMBOSS, DnaSP, BioEdit

### **AREA OF INTEREST**

- Food Microbiology
- Marine microbiology
- Phycology
- Molecular biology

### **PUBLICATION**

1. Innovative bio-amelioration strategies for sustainable reclamation of salt-affected agro ecosystems
  - Journal - Plant and Soil
  - Impact Factor **4.6**
2. Salinity-induced Transcriptomic modulation in *Zea mays* enhanced by *Chlorella vulgaris* biostimulant
  - Journal - Plant Physiology (under review)

### **INTERNSHIP**

- Completed 15 days internship at **ICAR-NATIONAL BUREAU FOR FISH GENETIC RESOURCES, KOCHI on Molecular tools and markers for disease diagnosis and fish species identification** (June 2024)
- Completed 15 days internship at **Aavin Milk Industry**, Chithode, Salem, Tamilnadu, as a Quality Controller (Jul 2022 - Aug 2022)
- Completed 15 days internship at **Deepa Micro Laboratory**, Erode as a Clinical Lab Technician (Feb 2022 - Mar 2022)

### **ACHIEVEMENTS**

- ✓ **1st prize** in **National level** Poster presentation competition on account of "World Day of Health and Safety at work" (2021).
- ✓ **3rd prize** in **National level** Poster Making competition on "Entrepreneurship Avenues for Microbiologists" (2021).
- ✓ **2nd prize** in **State Intercollegiate** Mime competition (2022)
- ✓ **Best Performer** in FSO training programme (2023)
- ✓ **1st prize** in College level Kabaddi match
- ✓ Awarded "**Best Outgoing Student**" (2023)
- ✓ Awarded "**Best Outgoing Student**" (2025)

## **COURSE COMPLETED**

- Completed a Certificate course on **Food Safety Management System (FSMS)** conducted by **Uyir Tech International**, 2023
- Completed a Certificate course on **Employability Skill Programme** conducted by **Mahindra Pride Classroom, Naandi Foundation**, 2023

## **MEMBERSHIP**

- Microbiology Department student **PRESIDENT**, 2024
- Microbiology Department student **VICE PRESIDENT**, 2023
- Microbiologist Society Member –**STUDENT PRESIDENT**, 2023-2024

## **CONFERENCE/WEBINARS ATTENDED**

- Participated in 2-day National conference on "Emerging Opportunities and Challenges in Management of Aquaculture and Agriculture Productivity and Economic Resilience (EOCMAA-2024) & Marine Bioresource Conservation and Sustainable Utilization of Marine-based Products (MBCSUM-2024).
- Participated and presented oral presentation in 2-day National level conference on "Marine Conservation and Commercialization of Marine-Based Products for Bio-sustainability (MCCMBS-2023)
- Participated in webinar on "Overview of Probiotics and Prebiotics" organized by PG and Research Department of Microbiology, 2022
- Participated in webinar on "Microbial Diversity" organized by PG and Research Department of Microbiology, 2022
- Participated in Webinar on "Intellectual Property Rights and IP Management for Startups" organized by the Department of Biotechnology, 2022.
- Participated in "International Conference on Sustainable Development Goals in Biosciences", 2022.

## **ACTIVITIES**

- Participated in Department institute visit to TNAU, Coimbatore, 2025
- Participated in Animal handling workshop at Vivekanandha College for Women, Ellayampalayam, Tiruchengode, 2025
- Participated in department Institute Visit for seaweed sample collection at ICAR & CSIR-CSMCRI Ramanathapuram, Mandapam, Tamilnadu, India, 2024.
- Participated in central institute visit to ICAR & CSIR-CSMCRI, MKU, ICAR- CMFRI Ramanathapuram, Mandapam, Tamilnadu, India, 2024.
- Participated in Industrial Visit at ICAR-Sugarcane Breeding Institute Coimbatore, Tamilnadu, India, 2024.

- Participated in Industrial Visit at Hatsun Agro Private Limited, Salem, 2022
- Participated in Industrial Visit at CLRI & NIOT, Chennai, 2022.
- Won **1st prize** in Zonal level **Kabaddi** match at **Vellalar Engineering College, Erode, 2017.**
- Participated in **Karate**, Zonal level, 2017 at Maharaja college, Erode.
- Participated in District level **Kabbadi** match in 2018.
- Attended **7-day National Service Scheme (NSS) camp** in Veerachipalayam village, Sankagiri, Salem Dt., 2022
- Participated in **Drawing competition** on Republic Day, conducted by PG Department of Tamil, Vivekanandha Art's and Science College for Women, Sankagiri, 2022
- Participated in **Dance competition** on Tami muthamizhil mandra thuvakka vizhla, by PG Department of Tamil, Vivekanandha Art's and Science College for Women, Sankagiri, 2022

## **PERSONAL DETAILS**

**Name:** Soniya sree S

**Father Name:** Sakthivel N

**Mother Name:** Umamaheswari P S

**Date of Birth:** 11.12.2002

**Nationality:** Indian

**Marital Status:** Single

**Language:** Tamil and English

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**Address:** 5, Manilakandasamy street, Nalliyampalaiyam Erode, Tamilnadu, 638009

## **REFERENCE**

1. Dr. T.T. Ajith kumar, Principal Scientist and Head, ICAR-National Bureau for Fish Genetic Resources, KOCHI. Email- [ttajith87@gmail.com](mailto:ttajith87@gmail.com)
2. Dr. R. Dineshkumar, Assistant Professor, Department of Microbiology, Vivekanandha Art's and Science College for Women, Salem, Tamilnadu. Email- [dineshram625@gmail.com](mailto:dineshram625@gmail.com)

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