

**Sabna A R, M.Sc.**

Thalayappil Veedu

Sarkara

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Thiruvananthapuram- 695304, Kerala

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Email: [sabnaar2017@gmail.com](mailto:sabnaar2017@gmail.com)**PERSONAL PROFILE**

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Name : Sabna A R  
Marital Status : Single  
Gender : Female  
Date of birth : 28-10-1998  
Nationality : Indian  
Languages Known : English, Hindi, Malayalam, Tamil.

**EDUCATIONAL BACKGROUND**

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- ❖ M.Sc. (Microbiology) (2020 - 2022): Pondicherry University
  - Dissertation: Biogenic Synthesis and Characterization of Silver Nanoparticle using *Lysinibacillus* sp. SBN1 and Understanding the Antimicrobial Mechanism of Action Against *Pseudomonas aeruginosa* PA01
  - Period: 28-01-2022 to 06-06-2022
  - Objectives:
    - Synthesis and characterization of silver nanoparticles using bacteria isolated from soil
    - Evaluation of the antibacterial and antibiofilm activity of silver nanoparticles against *P.aeruginosa* PA01
    - Understanding the mode of action of silver nanoparticles
- ❖ B.Sc. (Biochemistry and Industrial Microbiology) (2017 - 2020): University of Kerala
  - Soil Fertility Evaluation and Soil Test Interpretation of Six Contrasting Soils of Kerala.
  - **Objectives:**
    - To study the physico-chemical characteristics of six selected soil types of Kerala
    - Evaluate their fertility status and ratings
    - Develop soil test based fertilizer recommendations for important crops of Kerala

**RESEARCH AND COMPUTING SKILLS**

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- ❖ Microbiology – Streaking, spreading, pour plate, MIC, MBC, pure culture, biochemical and biofilm assay, phylogenetic analysis, antimicrobial resistance.
- ❖ Molecular biology – DNA isolation, PCR, Gel electrophoresis, Spectrophotometry.
- ❖ Decent knowledge in Microsoft Word, PowerPoint, and, Excel with the implementation of inbuilt and custom *functions* and *macros* for handling single and bulk files

## **PUBLICATION**

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- ❖ Sabna AR and Dr. Siddhardha Busi, 2023. [Surveillance and mitigation of soil pollution through metagenomic approaches](#). Biotechnology and Genetic Engineering Reviews.

## **WORK EXPERIENCE**

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- ❖ Presently working as quality control microbiologist in Bharat Biotech International Limited Company, Hyderabad, Telangana.

## **REFERENCES**

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**1. Dr. Siddhardha Busi, PhD**

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**2. Dr. Vijayan KTV**

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