Neha Sreenivas

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RESEARCH INTEREST

My research interests lie in microbiology, with a particular focus on antimicrobial resistance in pathogenic bacteria. I am especially interested in investigating how antibiotic stress influences outer membrane vesicle (OMV) production and composition in carbapenem-resistant *Klebsiella pneumoniae*, and how these vesicles contribute to horizontal gene transfer.

EDUCATIONAL QUALIFICATIONS

Cochin University of Science and Technology **October 2024 – Present**
PhD Scholar

Qualified CSIR-UGC NET with JRF
Joint CSIR-UGC NET, December 2022 – June 2023 merged session

Central University of Tamil Nadu, Thiruvarur **July 2016 – June 2021**
Integrated M.Sc. in Life Sciences

Rajagiri Higher Secondary School, Ernakulam **June 2013 – March 2015**
Higher Secondary Examination

Rajagiri Higher Secondary School, Ernakulam **June 2012 – March 2013**
SSLC

PUBLICATIONS

- Sebastian, H., Babu, B., Gayathri, K. M., Susheel, P., **Sreenivas, N.**, Yogindran, S., & Bhat, S. G. (2026). *Weissella* as an emerging probiotic candidate for IBD: current evidence, challenges, and future perspectives. *Antonie van Leeuwenhoek*, 119(9), 204. https://doi.org/10.1007/s10482-026-02360-4

ACHIEVEMENTS

- **All India Rank 78** in the Joint CSIR-UGC NET, December 2022 – June 2023 merged session
- **Third Prize** in Poster Presentation, International Conference on "Biotechnological Applications in Ayurveda and Biomedical Sciences" (2025)

RESEARCH MENTORSHIP

Mentor to M.Sc. students **April 2025 – June 2026**
Guided Master's dissertation research

INTERNSHIP

Cochin University of Science and Technology **May 2019 – June 2019**
Isolation and Screening of Biosurfactant-Producing Bacteria from Arctic Sediments

UniBiosys Biotech Research Lab **September 2023**

Isolation and Characterization of Colistin-Resistant *Klebsiella pneumoniae* Clinical Isolates

WORKSHOPS & TRAINING

- **Crash Course on Immunology** by Prof. B. Ravindran, Professor Emeritus, Institute of Life Sciences. Department of Life Sciences, Central University of Tamil Nadu, 16–20 September 2019.
- **Hands-on training in instrumental chemical analysis**, Department of Chemical Oceanography, CUSAT: ICP-OES, AAS, LC-HRMS, GC-MS/MS, FTIR-ATR and UV-Vis spectroscopy, 9–13 June 2025.

CONFERENCES

- International Microbiology Conference – Microcosm 1.0 (2024)
- International Conference for Multidisciplinary Translational Research (2024)
- International Conference on Biotechnological Applications in Ayurveda and Biomedical Sciences (2025)