

## Dr. I. SYBIYA VASANTHA PACKIAVATHY's PROFILE



### Dr. I. SYBIYA VASANTHA PACKIAVATHY M.Sc., Ph.D.

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DESIGNATION: **Assistant Professor**

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Date of Joining: 30/07/2022

### Academic Background

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<b>Degree</b>	<b>University</b>	<b>Year</b>
Ph. D	Alagappa University, Karaikudi, Tamil Nadu, India	2013
M.Sc	Alagappa University, Karaikudi, Tamil Nadu, India	2008
B.Sc	Madurai Kamaraj University, Madurai, Tamil Nadu, India	2006

## Courses Taught

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- Microbiology
- Cell Biology
- Food Biotechnology
- Environmental Biotechnology
- Plant and Animal Biotechnology
- Genetic Engineering

## Research Interests

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- Microbial Biotechnology
- Applied Microbiology
- Phytomedicine

## Most Recent Publications

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1. Angusamy A., Balasubramanian V., Arunmurugan B., Kannapan, A., **Packiavathy IASV.**, Sivaranjini M., Balamurugan, K., Sundaram, J., Arumugam V.R. (2023). Anti-infective potential of plant-derived quorum sensing inhibitors against multi-drug resistant human and aquatic bacterial pathogens. *World Journal of Microbiology and Biotechnology*, 39(6), 147. (IF: 4.2)
2. Arunachalam K., Krishnan G.P., Sethuraman, S., **Packiavathy IASV**, Swetha K., Aakanksha V., Jagadeesan A., Shi C., MubarakAli D. (2023). Exploring Possible Ways to Enhance the Potential and Use of Natural Products through Nanotechnology in the Battle against Biofilms of Foodborne Bacterial Pathogens *Pathogens*, 12(2), 270. (IF: 3.7).
3. Sweetly JD, Jeyapragash D, **Packiavathy IASV.** (2023) Green Fabrication of *Nerium oleander*-Mediated Silver Nanomaterials: Synthesis, Structural, and Stability Analysis. *Bionanoscience* 13(3), 1177-1183.
4. Suganya T, **Packiavathy IASV**, Aseervatham G, Carmona A, Rashmi V, Mariappan S, Devi NR, Arul Ananth D. (2022). Tackling Multiple-Drug-Resistant Bacteria with Conventional and Complex Phytochemicals. *Frontiers in Cellular and Infection Microbiology*. 671 (IF: 5.2)
5. **Packiavathy IASV**, Kannappan A, Thiyagarajan S, Srinivasan R, Jeyaprakash D, Paul JBJ , Velmurugan P, Ravi AV. (2021). AHL-Lactonase Producing *Psychrobacter* sp. from palk bay sediment mitigates quorum sensing-mediated virulence production in Gram negative bacterial pathogens. *Frontiers in Microbiology* 12, 748 (IF: 5.6).
6. **Packiavathy IASV**, Gnanaselvan G, Kannapan AR, Sweetly JD, Ravi AV. Methyl geranate: A novel quorum quencher as an anticorrosion agent to prevent metal biocorrosion (2021). *Indian Journal of Environmental Protection* 41(3), 333-339.

## Memberships in Professional Bodies

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- ❖ The Biotech Research Society –Member
- ❖ Indian Association for Cancer Research- Member