

## 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
- Plant Physiology
- Enzyme Technology
- Food Biotechnology
- Plant and Animal Biotechnology
- Biodiversity, IPR and Biosafety

## Research Interests

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- Microbial Biotechnology
- Applied Microbiology
- Phytomedicine

## Most Recent Publications

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1. 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)
2. **Packiavathy IASV**, Kannappan A, Thiyagarajan S, Srinivasan R, Jeyaprakash D, Paul JBJ Velmurugan P and 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).
3. **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.
4. Jeyapragash D, Saravanakumar A, Yosuva M, **Packiavathy IASV**, Jeba Sweetly D. (2021) Chlorophyll fluorescence, dark respiration and metabolomic analysis of *Halodule pinifolia* reveal potential heat responsive metabolites and biochemical pathways under ocean warming. *Marine Environmental Research*. 164, 105248 (IF: 2.72).
5. D Sweetly, D.J., **Packiavathy, I.A.S.V**, Archana, G., Jeyapragash. (2021). Marine brown algae *Sargassum myriocystum* biomass as potential adsorbent for the removal of pollutants from battery slag leachate. **Research Journal of Biotechnology** 16 (3), 158–163

6. Kannappan A, Durgadevi R, Srinivasan R, Lagoa RJL, **Packiavathy IASV**, Pandian SK and Ravi AV. (2020). 2-Hydroxy-4-methoxybenzaldehyde from *Hemidesmus indicus* is antagonistic to *Staphylococcus epidermidis* biofilm formation. *Biofouling*, 125: DOI: 10.1080/08927014.2020.1777989. (IF: 2.351).
7. Novel COVID-19 –the pandemic on planet Earth – A brief insight into Transmission, Diagnosis and Treatment-A Review. Azhagusevaranababu.P, Archana. G, Divya Bharathi, Muthusamy. M, Jeya Pragash.D, Jeba Sweetly.J, **Packiavathy. IASV**, Ushani U. *International Journal of Research in Pharmaceutical Sciences*. 11(SPL)(1),115-121
8. **Packiavathy IASV**, Maruthamuthu S, Gnanaselvan G, Manoharan S, Paul JBJ, Annapoorani A, Kannappan A and Veera Ravi A. (2019). Control of microbially induced corrosion by methyl eugenol – a dietary phytochemical with quorum sensing inhibitory potential. *Bioelectrochemistry*, 128: 186–192 ( IF: 4.722)
9. Kannappan A, Balasubramaniam B, Ranjitha R, Srinivasan R, **Packiavathy IASV**, Balamurugan K, Pandian SK and Ravi AV. (2019). Exploiting the effect of geraniol-cefotaxime combination against the *in vitro* and *in vivo* biofilm formation of *Staphylococci* sp. *Food and Chemical Toxicology*, 125:322-332. (IF: 4.6).

#### Projects Handled

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Nil

#### Patents Published

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Nil

#### Memberships in Professional Bodies

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