Name: Dr.S.Priyadharshini

Designation: Assistant Professor

Department: Food Science and Nutrition

Date of Joining: 17-06-2019

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Educational Qualification:

Degree	**Subject**	**College / University & Place**	**Year Completed**
Ph.D.	Microbiology specialization in Food Science & Technology	Pondicherry University	2019
M.Sc.	Microbial Gene Technology	Madurai Kamaraj University	2013
B.Sc.	Bio-chemistry	The American College, Madurai	2011

ICAR-NET	Agricultural Microbiology	May 2017
NET	Home Science	December 2019

Specialisation in Teaching: Microbiology, Genetics, Food Safety and Enzymology

Specialisation in Research: Metagenomics, Food Microbiology and Nutrigenomics

Research Interests: Microbiology & Marine Biotechnology

Other Work Experience

Designation	Institution / Company	Year - From (month/year) To (month/year)
Project Fellow	DBT – Junior Research Fellow at Pondicherry University Pondicherry	3 Years 2013-2016

Administrative /Academic Position/s (held / currently holding):

Positions held / currently holding	Year - From (month/year) To month/year)
Assistant Professor	June 2019 to Till Date

Membership in Professional Bodies:

Life time member in AFSTI

Lifetime Member in Indian Association of Applied Microbiology

Publications:

Cumulative impact factor	33.869
Citations	215 (*Based on all citation sources)
H index i 10 index	8 (*Based on all citation sources) 8

SI No	Authors	Publication	Journal	Impact Factor
1.	**Priyadharshini, S.,** Kiran, G. S., Sajayan, A., Ravindran, A., Priyadharshini, G. B., Ramesh, U., ... & Selvin, J. (2020).	Dietary administration of gelatinised polyhydroxybutyrate to Penaeus vannamei improved growth performance and enhanced immune response against Vibrio parahaemolyticus.	*Aquaculture*, *517*, 734773.	3.591

2.	Kiran, G. S., **Priyadharsini, S.,** Sajayan, A., Ravindran, A., & Selvin, J.	An antibiotic agent pyrrolo [1, 2-a] pyrazine-1, 4-dione, hexahydro isolated from a marine bacteria Bacillus tequilensis MSI45 effectively controls multi-drug resistant Staphylococcus aureus.	2018, *RSC Advances*, *8*(32), 17837-17846.	2.936
3.	G. Seghal Kiran, **S Priyadharshini**, Alan Dobson, Steve Jackson and Joseph Selvin	Synthesis of Nm-PHB (nanomelanin-polyhydroxy butyrate) nanocomposite film and its protective effect against biofilm-forming multi drug resistant *Staphylococcus aureus*	2017, *Nature Scientific reports*, *7*(1), 9167	4.259
4.	G.Seghal Kiran, **S.Priyadharsini**, , Priyadharsini, G.B, Poulose, N.,and Selvin	Production of Lipopeptide Biosurfactant by a Marine Nesterenkonia sp. and Its Application in Food Industry,	(2016), *Frontiers in microbiology*, *8*, 1138,	4.76
5.	Sajyan, A., G.Seghal Kiran, **Priyadharsini, S.**, Poulose, N., Selvin, J.	Revealing the ability of novel polysaccharide bioflocculant in bioremediation of heavy metals sensed in a Vibrio bioluminescence reporter assay	Environmental Pollution	4.839
6.	**S Priyadharshini** , G. Seghal Kiran, ,Alan Dobson, Elumalai Gnanamani, and Joseph Selvin	Degradation intermediates of poly-hydroxy butyrate inhibits phenotypic expression of virulence factors and biofilm formation in luminescent Vibrio sp. PUGSK8	2016 *NPJ Biofilms and Microbiomes* , in press	4.128
7.	G. Seghal Kiran, **S Priyadharshini**, K Anitha, E Gnanamani, J Selvin	Characterization of an exopolysaccharide from probiont Enterobacter faecalis MSI12 and its effect on the disruption of Candida albicans biofilm	*2015* *RSC Advances 5 (88), 71573-71585*	2.936

8.	G. Seghal Kiran, Anuj Lipton, **S Priyadharshini**, K Anitha, Lucia Suárez, Mariadhas Arasu, Ki Choi, Joseph Selvin, Naif Al-Dhabi	Antiadhesive activity of poly-hydroxy butyrate biopolymer from a marine Brevibacterium casei MSI04 against shrimp pathogenic vibrios	2014 *Microbial Cell Factories*, 13:114.	4.25
9.	G. Seghal Kiran, Nishanth, L. A., **Priyadharshini, S**., Anitha, K., & Selvin, J*	Effect of Fe nanoparticle on growth and glycolipid biosurfactant production under solid state culture by marine Nocardiopsis sp. MSA13A	2014 *BMC biotechnology*, 14(1), 48	2.17

Papers in referred Journals

- KAMALRAJ, R., NANDHIVARMAN, M., POYYAMOLI, G., GOWTHAMRAJ, G., & PRIYADHARSHINI, S. (2017). EFFECT OF INORGANIC AND ORGANIC AMENDMENTS ON THE PROXIMATE COMPOSITION OF OKRA [Abelmoschus esculentus (L) Moench]. Journal of Advances in Food Science & Technology, 4(2), 67-72.

- S. Priyadharshini, Arya Sajayan & Amrudha Ravindran (2018) Journal of Emerging Technologies and Innovative Research (ISSN-2349-5162),5,9.

Chapters Published in Books

Bioactive Marine Natural Products: Insights into Marine microbes, Seaweeds, and Marine Sponges as Potential Source of Drug Delivery. Marine Microorganisms, (pp17-30), CRC Press.

Papers Presented in the Conference

Organizing Institutes	Conference	Paper/Poster Topic	Date
Pondicherry University	National conference on wonders of the small exploring the microbial world	Production and characterization of PHB from marine sponge associated bacterium	April 3&4 2014

Madurai Kamaraj University	National conference on recent trends in modern biology	Production and Characterization of Polyhydroxyalkanotes from Metagenome of Marine Sponges	February 27-28,2016
Society of Biological Chemists-CFTRI	Innovation in Biological research on health & diseases	Polyhydroxy butyrate and their intermediates inhibits biofilm formation and expression of virulence factors in *Vibrio* isolated from infected shrimp	November 21-24,2016
Periyar University	International conference on Food, Energy and water microbiology	Lipopeptide bioemulsifiers as next generation anti infectives against pathogenic biofilm forming *Bacillus cereus*	December 21-23,2016
Thiruvalluvar University	International conference on recent advances in bioresource technology	Protective mechanism of Polyhydroxybutyrate against *Vibrio* pathogens in shrimp aquaculture	February 15-17,2017
AFSTI	National Coference on Food regulation in Indian current status and way forward	Participation	March 27-27,2017
Pondicherry University	A National Conference on recent trends in microbiome research	Efficacy of Polyhydroxy butyrate in shrimp aquaculture	March 20&21 2019
Pondicherry University	Indo- Mexican conference on Shrimp aquaculture	PHB as feed for Shrimp	Aug 9-10,2019
Kalasailingam University	7th Annual Conference on Microbiology in the New Millennium	Revealing the efficacy of Polyhydroxybutyrates produced by marine sponge associated bacteria to control Vibriosis in shrimp aquaculture	November 28-29,2019

Awards / Fellowships:

1. **Best Paper award** received in International Conference Recent advances in bioresource Technology, Thiruvalluvar University 15-17 February,2017.
2. **Best Paper award** received in International Conference Pondicherry University 20-21 March,2019.
3. **Young Scientist Award** received from Indian Association of Applied Microbiology with a citation. November 28-29,2019
4. **Young Scientist Award** received from Science Father, 2nd International Research Awards on Science, Health and Engineering, 18-19 April 2020.