



DR. V. SUGUMAR
ASSOCIATE PROFESSOR

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Academic Qualifications

Degree	Institution	Year	Branch	Class
Ph.D.,	University of Madras	2005	Zoology	Highly Commended
M.Phil.,	University of Madras	2001	Zoology	I st Class - Outstanding
M.Sc.,	University of Madras	2000	Zoology	I st Class

Teaching Experience

Total Teaching Experience : **15 Years**

Position	Institution	Duration	
		From	To
Associate Professor	Alagappa University, Karaikudi	Feb. 2021	Till Date
Assistant Professor	Alagappa University, Karaikudi	Feb. 2009	Feb. 2021
Guest Lecturer	Thiruvalluvar University, Vellore	2008	2009

Research Experience

Total Research Experience : 15 Years

Position	Institution / University	Duration
Associate Professor	Alagappa University, Karaikudi	3 Years
Assistant Professor	Alagappa University, Karaikudi	12 Years

Academic and Additional Responsibilities

S.No.	Position	University Bodies	Period	
			From	To
1.	Head i/c	Department of Geology, Alagappa University	31.05.2021	05.06.2023
2.	Warden	Thondi Hostels, Alagappa University	31.10.2024	Till Date
3.	Deputy Warden	Thondi Hostels, Alagappa University	15.07.2015	13.11.2018
4.	Dy-Coordinator	University Business Collaboration Centre, Alagappa University	August 2019	Till Date
5.	Project Member	DST-FIST, Dept. of Oceanography and Coastal Area Studies, Alagappa University	March 2018	Till Date
6.	SWAYAM – Dept. Coordinator	Dept. of Oceanography and Coastal Area Studies, Alagappa University	June 2016	Till Date
7.	NAD - Dept. Coordinator	Dept. of Oceanography and Coastal Area Studies, Alagappa University	June 2016	Till Date
8.	NIRF Data Collection In-charge	Dept. of Oceanography and Coastal Area Studies, Alagappa University	2018, 2019, 2022, 2023, 2024	-

Areas of Research

Crustacean Biology and Marine Biomaterials

Patents

1. Natural fiber composites for biomedical applications and method thereof (Patent No.20241001521 – Published on 09.02.2024)
2. Biodegradable Polymers with tunable properties for Sustainable packaging (Patent No.202411014349 – Published on 08.03.2024)

Research Supervision / Guidance

Program		Completed	Ongoing
Research	Ph.D.	5	1
	M.Phil.	1	-
Project	PG	30	5
	PG Diploma	10	-

Publications				
International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
35	32	-	39	4

Cumulative Impact Factor (as per JCR) : 90.02
h-index : 12
i10 index : 14
Total Citations : 575

Funded Research Projects

Ongoing Projects: Rs. 39.10 lakhs

S.No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	TBRP RUSA 2.0	2019	2024	Sustainable biomaterials from the marine resources of Palk Bay, India	39.10

Completed Projects: Rs. 32.02 lakhs

S.No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1.	SERB (OYS)	2012	2015	Studies on the localization and putative role of serotonin in the blue swimmer crab, <i>Portunus pelagicus</i>	22.28
2.	UGC	2011	2014	Quantification of Crustacean hyperglycemic hormone and its hemolymph metabolites: following various stresses in the blue swimmer crab <i>Portunus pelagicus</i>	9.10
3.	AURF	2009	2010	Studies on the putative role of sex pheromones in the blue swimmer crab <i>Portunus pelagicus</i>	0.64

Distinctive Achievements / Awards

1. Recipient of “**Academic and Research Excellence Award**” – 2024, Alagappa University.
2. Recipient of “**Promising Researcher Award**” – 2022, Alagappa University.
3. Recipient of “**Vallal Alagappan Research Recognition Award**” – 2020, Alagappa University.
4. **Awarded DST – FAST TRACK for Young Scientist 2010**, Government of India
5. Recipient of **Dr. (Mrs.) Sudha Varadharajan Memorial Endowment Gold Medal** from Thiru. Surjit Singh Barnala, Governor of Tamil Nadu, for the “**Best thesis 2005**”.

6. **Awarded Research Fellowship** – Department of Ocean Development, Government of India.

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: **12**

Events Participated

Number of Conferences / Seminars / Workshops: **104**

Membership

Professional Bodies

1. Life Member- Indian Society for Reproductive Biology and Comparative Endocrinology.
2. Life Member - Indian Fisheries Association.
3. Life Member - Indian Science Congress Association
4. Member - American Chemical Society, USA.

Advisory Board

Year / Period	Name of the BoS / Academic Committee	Role
2022	M.Sc., Applied Geology Ph.D., Geology	Chairman
2022	M.Sc., Oceanography and Coastal Area Studies M.Sc., Marine Biology (5 Year Integrated) PG Diploma in SCUBA Diving	Member
2019	M.Sc., Oceanography and Coastal Area Studies M.Sc., Marine Biology (5 Year Integrated) PG Diploma in SCUBA Diving	Member
2021-2022	Standing Committee on Academic Affairs	Member

Ph. D. Thesis Evaluated

1. No. of Ph.D. Thesis evaluated : 5
2. No. of Ph.D. Public *Viva-Voce* Examination conducted : 5

S. No	Name of the Scholar	Title of the Thesis	Year of Completion
1.	Dr. Rahul Varma	Utilization of Marine Waste as Biomaterial – A Wealth from Waste Concept	2024
2.	Dr. P. Nigariga	Bioaccumulation of metals in the flora and fauna and its human health risk assessment along Thondi Coast, Palk Bay, India	2024
3.	Dr. M. I. Beema Mahin	Isolation and characterization of antimicrobial peptides from the blue swimmer crab <i>Portunus pelagicus</i> (Linnaeus, 1758)	2020
4.	Dr. R. Saravanan	Studies on the localization of crustacean hyperglycemic hormone and its putative role in the blue swimmer crab <i>Portunus pelagicus</i> (Linnaeus, 1758)	2017

5.	Dr. K. Priyanka (As Co- Supervisor)	Assessment of Gastropod and Bivalve Diversity in Palk Bay Area, Tamil Nadu, South East Coast of India	2023
List of Recent Publications			
1.	Rahul Varma and Sugumar Vasudevan (2024) . Synthesis of Composite Films Using Polymer Blends of Chitosan and Cellulose Nanocrystals from Marine Origin. <i>Journal of Materials Science: Materials in Engineering</i> , 19 : Article No. 6. [Springer-Nature, Switzerland].		
2.	Aneetta Libiya Job, Nigariga Pasumpon, Rahul Varma and Sugumar Vasudevan (2023) . Evaluation of Water Quality and Bioaccumulation of Metals in Commercially Important Fishes: A Human Health Concern. <i>Environmental Geochemistry and Health</i> , 45 : 9807 - 9823. [Springer-Nature, Switzerland].		
3.	Nigariga Pasumpon, Rahul Varma and Sugumar Vasudevan (2023) . Bioaccumulation of trace metals in seawater and selected red and green seaweeds validated by ICP-MS. <i>Environmental Science and Pollution Research</i> , 30 : 66781 - 66799. [Springer-Nature, Switzerland].		
4.	Nigariga Pasumpon, Debasmita Saren, Rahul Varma and Sugumar Vasudevan (2023) . Assessment of trace metal bioaccumulation on the shells of edible gastropod <i>Chicoreus ramosus</i> and <i>Hemifusus pugilinus</i> . <i>Environmental Monitoring and Assessment</i> , 195 (5) : 608 [Springer-Nature, Switzerland].		
5.	Rahul Varma, Arnab Prathihar, Nigariga Pasumpon and Sugumar Vasudevan (2022) . Extraction and characterization of cellulose from red seaweeds of <i>Hypnea musciformis</i> and <i>Sarconima filiforme</i> . <i>Cellulose Chemistry and Technology</i> , 56 (9-10) : 949-956. [Editura Academiei Romane, Romania].		
6.	Rahul Varma and Sugumar, V. (2022) . Characterization of cellulose and cellulose nanocrystals from the decayed seagrass along the coast of Thondi, Palk Bay, India. <i>Cellulose Chemistry and Technology</i> , 56 (1-2) : 39-47. [Editura Academiei Romane, Romania].		
7.	Nigariga, P. and Sugumar, V. (2022) . Baseline study of trace metal concentrations in abandoned, lost or otherwise discarded fishing gear along Thondi coast, Palk Bay, India. <i>Journal of Sea Research</i> , 182 : 102189. [Elsevier, UK].		
8.	Neetu Mohan, Sugumar Vasudevan , Paramasivam Chellamuthu Ranganathan and Anandhan Narayanasamy (2021). Geochemical and elemental characterization of rostrum and alveolus parts of Belemnite fossil from the Late Cretaceous formation, Tamilnadu, India. <i>Arabian Journal of Geosciences</i> , 14 : 1905. [Springer-Nature, Switzerland].		
9.	Sugumar, V. and Saravanan, R. (2021). Thermal stress induced hyperglycemia in the blue swimmer crab, <i>Portunus pelagicus</i> . <i>Journal of Thermal Biology</i> , 100 : 103076. [Elsevier, UK].		
10.	Nigariga, P. and Sugumar, V. (2021) . Seasonal variation of heavy metals in seagrasses along Thondi coast, Palk Bay, India. <i>Environmental Science and Pollution Research</i> , 28 : 26849 - 26857. [Springer-Verlag, Germany].		
11.	Saravanan, R. and Sugumar, V. (2020) . Activation of prophenoloxidase and hyperglycemia as indicators of microbial stress in the blue swimmer crab <i>Portunus pelagicus</i> . <i>Marine Pollution Bulletin</i> , 160 : 111711. [Elsevier, UK].		
12.	Rahul Varma and Sugumar, V. (2020) . Extraction, characterization and antimicrobial activity of chitosan from the horse mussel <i>Modiolus modiolus</i> . <i>ACS Omega</i> , 5(32) : 20224-20230. [American Chemical Society, USA].		
13.	Sudatta, B. P., Sugumar, V. , Rahul Varma and Nigariga, P. (2020). Extraction, characterization and antimicrobial activity of chitosan from the pen shell <i>Pinna bicolor</i> . <i>International Journal of Biological Macromolecules</i> , 163 : 423-430. [Elsevier, USA].		