



DR. V. SUGUMAR
ASSISTANT PROFESSOR

Contact

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Academic Qualifications: M.A./M.Sc./M.Phil./Ph.D./

M.Sc.(Zoology), M.Phil.(Zoology), Ph. D.(Zoology).

Teaching Experience: 10Years

Research Experience: 13Years (Including Ph.D. Research Period)

Additional Responsibilities

1. Department SWAYAM Coordinator
2. Department NIRF In-charge
3. Department NSS Coordinator
4. UGC SAP DRS-I Advisory Committee Member
5. DST FIST – Project Member
6. Department Library In-Charge
7. II M.Sc.,(OCAS) Class In-Charge

Areas of Research

Crustacean Biology

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	1	2
	M.Phil.	1	-
Project	PG	10	-
	UG / Others	-	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
22	8	--	19	3

Cumulative Impact Factor (as per JCR) : --
 h-index : 7
 i10 index : 5
 Total Citations : 110

Funded Research Projects

Completed Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	AURF	2009	2010	Studies on the putative role of sex pheromones in the blue swimmer crab <i>Portunus pelagicus</i>	0.64
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	SERB (OYS)	2012	2015	Studies on the localization and putative role of serotonin in the blue swimmer crab, <i>Portunus pelagicus</i>	22.28

Ongoing Projects: --

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	GOMBRT	2018	2020	Biodiversity assessment of Macrobenthic Invertebrates in Gulf of Mannar Biosphere Reserve Area.	8.64

Consultancy Projects: --

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1					

Others

Note: Budget must be rounded to two decimal places

Patents: --

Distinctive Achievements / Awards

1. Recipient of **Dr. (Mrs) Sudha Varadharajan Memorial Endowment Gold Medal** from Thiru. Surjit Singh Barnala, Governor of TamilNadu, for the **“Best thesis 2005”**.
2. **Awarded Research Fellowship** – Department of Ocean Development, Government of India.
3. **Awarded DST – FAST TRACK for Young Scientist 2010**, Government of India

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized:

1. Organizing Secretary of National seminar on “Current trends and future prospects of Nanomarine Sciences”, Alagappa University, Karaikudi, Tamil Nadu, **India**. (March, 2009).
2. Organizing Secretary of National Conference on “Global Warming Now and Then”, Alagappa University, Karaikudi, Tamil Nadu, **India**. (March, 2010).
3. Organizing Member in the Second National Conference on “Bioprospecting of marine resources with special reference to marine natural products and drug discovery”, Alagappa University, Karaikudi, Tamil Nadu, **India**. (August, 2010).
4. Organizing Member in the State Level Seminar on “Sensitive Coastal Ecosystem”, Alagappa University, Thondi Campus, Tamil Nadu, **India**. (December, 2015).
5. Organizing Member in the National Workshop on “Geospatial Technology in Coastal Studies”, Alagappa University, Thondi Campus, Tamil Nadu, **India**. (February, 2016).

6. Organizing Secretary of State level Seminar on “ Exploring marine Resources” Alagappa University, Thondi Campus, Tamil Nadu, **India** (February,2016).
7. Organizing Member in the International Conference on “Recent Trends in Biosciences” (ICRTB 2016), Alagappa University, Karaikudi, Tamil Nadu, **India**. (April, 2016).
8. Programme Co-ordinator - Short-term Training Programme on “Training and Scope of SCUBA Diving” Alagappa University, Karaikudi, Tamil Nadu, **India**. (February, 2017).
9. Organizing Secretary of National Conference on “Conservation and Sustainable Development of Marine Resources (CASDOMAR-2018)” Alagappa University, Thondi Campus, Tamil Nadu, **India** (March,2018).

Events Participated(optional)

Conferences/ Seminars / Workshops: 28

Other Training Programs

1. Underwent a Hands on training: “Molecular Markers: Tools for genetic variability analysis” conducted by National Bureau for Fish Genetic Resources (NBFGR) Lucknow, India.
2. Underwent a training programme on, “Taxonomy, Genetics and Gene Banking of Coastal and Marine Bioresources and Biodiversity” conducted by Central Institute of Fisheries Education (CIFE) Mumbai, India.
3. Underwent a training programme on, “Remote sensing and GIS applications to Coastal and Marine studies” conducted by Institute of Ocean Management, Anna University, India.
4. Underwent a training programme on, “Gas Chromatography” conducted by Advanced Training Institute, Government of India, Ministry of Labour & Employment, Directorate General of Employment & Training, Chennai, India.
5. Attended workshop on “Advances in Aquaculture Technology”, conducted by Department of Marine Sciences, Bharathidasan University, Tiruchirappalli, India.
6. Attended National workshop on “Research Methodology and Technology Management in Higher Education”, conducted by Academic Staff College, Pondicherry University, Pondicherry, India

Overseas Exposure / Visits / Membership in

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

Reviewer

1. PLOS ONE
2. Archives of Biochemistry and Biophysics
3. Ciencias Marinas (Journal of Marine Sciences)
4. Journal of Cell and Animal Biology
5. Microscopy Research and Technique
6. Physiological and Biochemical Zoology
7. Turkish Journal of Zoology

Resource persons in various capacities

Evaluator in the National Children Science State Congress 2015, 2016

Three day workshop on “Developing proposals for qualitative research”, Department of Education, Alagappa University, Karaikudi, Tamil Nadu, **India**. (June 13th -15th, **2017**).

Resource Person in the “Guest Lecture/Meet the Manager Program Series AIM 2017”, Alagappa Institute of Management, Alagappa University, Karaikudi, Tamil Nadu, **India**. (2nd August, **2017**).

Others

1. Articles published in Newspapers / Magazines : --
2. Products developed : --
3. No. of PhD Thesis evaluated : 1
4. No. of PhD Public Viva Voce Examination conducted : 1
5. Sequences submitted in GenBank: 1

Recent Publications

Paneerselvam, R., Anandhan, N., Sivakumar, G., Ganesan, K.P., Marimuthu, T and **Sugumar, V.**(2019). Role of annealing temperatures on mechanical, optical, electrical and magnetic properties of nanohydroxyapatite biomaterial. *Journal of Nanoscience and Nanotechnology*[American Scientific Publishers, USA], 19: 1-11.

Beema Mahin, M. I., Saravanan, R. and **Sugumar, V.** (2018). Isolation, identification and characterization of the bioluminescent bacteria isolated from the blue swimmer crab *Portunus pelagicus* along Thondi Coast and virulence studies at high temperatures. *Microbial Pathogenesis*[Elsevier, USA], 117: 232-236.

Saravanan, R. and **Sugumar, V.** (2018). Heavy metal stress induced hyperglycemia in blue swimmer crab, *Portunus pelagicus*. *Acta Oceanologica Sinica*[Springer, USA], 37 (5); 1-7.

Saravanan, R. and **Sugumar, V. (2016)**. Localization and identification of Crustacean hyperglycemic hormone producing neurosecretory cells in the eyestalk of blue swimmer crab, *Portunus pelagicus*. ***Microscopy Research and Technique***[John Wiley & Sons, USA] **79**(11); 1024-1030.

Saravanan, R., Beema Mahin, M. I. and **Sugumar, V. (2016)**. Induced thermal stress on serotonin levels in the blue swimmer crab, *Portunus pelagicus*. ***Biochemistry and Biophysics Reports***[Elsevier, USA] **5**: 425-429.

Beema Mahin, M. I., Saravanan, R. and **Sugumar, V. (2016)**. Preliminary assessment of bacteria and fungi associated with the blue swimmer crab, *Portunus pelagicus* and its habitat along Thondi Coast. ***Life Science Journal*** [Marsland Press, USA] **13**(7): 60-65.