



Dr. S. Paramasivam
Assistant Professor

Contact

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Academic Qualifications: M.Sc., Ph.D.,

Teaching Experience: 11+ years

Research Experience: 13 years

Fellowship Received

Junior Research Fellow (JRF) MoEn&F : 10.08.2000 to 09.08.2002
Senior Research Fellow (SRF) MoEn&F : 10.08.2002 to 09.08.2003

Additional Responsibilities

1. In-charge : Department Chemicals and glasswares
2. Department Level Co-ordinator : Swachh Bharath
3. Department Level Co-ordinator : Placement cell

Areas of Research

Marine Microbiology/Seafood safety/Marine Pollution

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	1	1
	M.Phil.	---	---
Project	PG	15	----
	UG / Others	---	---

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
20	---	2	2	1

Cumulative Impact Factor	:	32.755
h-index	:	9
i10 index	:	9
Total Citations	:	338

Funded Research Projects

Completed Projects

S. No	Agency	Period		Project Title	Budget (Rs. in lakhs)
		From	To		
1	Alagappa University Research Fund (AURF)	2009	2010	Screening of potential antimicrobial extracts from marine sponges.	0.64
2	University Grants Commission (UGC), New Delhi	2011	2014	Molecular characterization of histamine producing bacteria from Indian mackerel (<i>Rastrelliger kanagurta</i>).	7.00
3	Department of Science and Technology (DST)-Science and Engineering Research Board (SERB), New Delhi	2012	2015	Detection and public health significance of biogenic amines in the fishery products.	18.90

Completed Research Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	RUSA-2.0, MHRD, New Delhi	2019	2022	Incorporation of natural preservatives to enhance the shelf life and enrich nutrients in seafoods during storage	39.10

Events organized in leading roles

Seminars / Conferences / Workshops / Events organized:

1. National seminar on “Recent trends and future prospects of Nanomarine Sciences” was held on 23-24th March, 2009 at Alagappa University, Karaikudi, Tamilnadu, India.
2. “World Ocean Day-2011” was held on 9th August, 2011 at Department of Oceanography and Coastal Area Studies, School of Marine Sciences, Thondi Campus, Tamilnadu, India.

3. State level Seminar on "Sensitive Coastal Ecosystems" was held on 11th December, 2015 at Department of Oceanography and Coastal Area Studies, School of Marine Sciences, Alagappa University, Thondi Campus, Tamilnadu, India.
4. "World wetlands day-2016" was held on 2nd February, 2016 at Department of Oceanography and Coastal Area Studies, School of Marine Sciences, Thondi Campus, Tamilnadu, India.
5. "Fisherman Livelihood Seaweed Culture Training Programme" held on on 25th to 28nd January, 2017 for coastal fisherwomen at Department of Oceanography and Coastal Area Studies, School of Marine Sciences, Thondi Campus, Tamilnadu, India.
6. Short-term Training Programme on "Training and Scope of SCUBA Diving" conducted on 15th and 16th February, 2017 at Department of Oceanography and Coastal Area Studies, School of Marine Sciences, Thondi Campus, Tamilnadu, India.
7. "World wetlands day-2017" on 13th February, 2017 at Department of Oceanography and Coastal Area Studies, School of Marine Sciences, Thondi Campus, Tamilnadu, India.
8. National Conference on "Conservation And Sustainable Development Of Marine Resources (CASDOMER-2018)" held on 22nd and 23rd March, 2018 at Department of Oceanography and Coastal Area Studies, School of Marine Sciences, Alagappa University, Thondi Campus. Tamilnadu, India.
9. International conference on "Recent Advances in Marine Biodiversity and Conservation (RAMBAC-2019) held on 12 and 13th December, 2019 at Department of Oceanography and Coastal Area Studies, School of Marine Sciences, Alagappa University, Science Campus. Tamilnadu, India.
10. "World wetlands day-2020" on 3rd February, 2020 at Department of Oceanography and Coastal Area Studies, School of Marine Sciences, Science Campus, Karaikudi, Tamilnadu, India.
11. Webinar on "Recent Advances in Marine Biodiversity and Conservation" held on 18 to 20th May, 2020 at Department of Oceanography and Coastal Area Studies, School of Marine Sciences, Alagappa University, Science Campus. Tamilnadu, India.

Events Participated

Conferences / Seminars / Workshops/Webinars: 57

Membership in

Professional Bodies

1. Life Member: Indian Science Congress Association, Kolkotta, India.

2. Community member: American Chemical Society (ACS)

Resource persons in various capacities

Invited / Special Lectures delivered:

1. Delivered a special lecture entitled “Histamine fish poisoning” at Alagappa Botanical Club (ABC), Department of Botany, Alagappa Government Arts College, Karaikudi on 27-04-2013.
2. Delivered a special lecture on “Formation and control of biogenic amines in sea foods” at CAS in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai on 20.01.2016.

Others

1. No. of Ph.D., Thesis evaluated : 3
2. No. of Ph.D Public Viva Voce Examination conducted : 3
3. Sequences submitted in GenBank : 30

Recent Publications

Year 2020

1. Abimannan Arulkumar, **Sadayan Paramasivam**, Palanivel Rameshthangam & Spiros Paramithiotis. **2020**. Detection of biogenic amines in Indian fish and fishery products consumed in Southeast Coast Region of India, Journal of Aquatic Food Product Technology, (*In Press*). **IF- 1.020**. [Taylor & Francis].
2. Selvaraj Gopi, Abimannan Arulkumar, Arumugam Ganeshkumar, Rajendran Rajaram, Jose Manuel Miranda and Sadayan Paramasivam. **2020**. Heavy Metals Accumulation in Seagrasses collected from Palk Bay, South-eastern India. Marine Pollution Bulletin. doi.org/10.1016/j.marpolbul.2020.111305. **IF: 3.782**. [Elsevier].
3. Abimannan Arulkumar, Bikari Swain and Sadayan Paramasivam. **2020**. Shelf life extension of sardines (*Sardinella albella*) using betel leaf (*Piper betle*) incorporated ice. Food and Bioprocess Technology. doi : 10.1007/s11947-020-02466-1. ISSN : 1935-5149. **IF: 3.032**. [Springer].
4. Abimannan Arulkumar, Kumar Satheeshkumar, Sadayan Paramasivam, Palanivel Rameshthangam and Jose M. Miranda. **2020**. Chemical Biopreservative Effects of Red

Seaweed on the Shelf Life of Black Tiger Shrimp (*Penaeus monodon*). Foods, 9, 634; doi:10.3390/foods9050634. ISSN 2304-8158. **IF:3.011 [MDPI]**.

5. Arulkumar A., K. Sampathkumar and **S. Paramasivam**. **2020**. Antibacterial and *in vitro* antioxidant potential of Indian mangroves. Biocatalysis and Agricultural Biotechnology 23: 101491.doi.org/10.1016/j.bcab.2019.101491. **[Elsevier]**.

Year 2019

6. Rosemary, T.; Arulkumar, A.; **Paramasivam, S.**; Mondragon-Portocarrero, A.; Miranda, J.M. **2019**. Biochemical, Micronutrient and Physicochemical Properties of the Dried Red Seaweeds *Gracilaria edulis* and *Gracilaria corticata*. *Molecules*. 24, 2225. doi:10.3390/molecules24122225. **Impact Factor: 3.060. [MDPI]**.
7. Arulkumar, A., P. Nigariga, **S. Paramasivam** and R. Rajaram. **2019**. Metals accumulation in edible marine algae collected from Thondi coast of Palk Bay, Southeastern India. *Chemosphere*. 221:856-862. doi.org/10.1016/j.chemosphere.2019.01.007. ISSN: 0045-6535, **IF: 5.108. [Elsevier]**.
8. Arulkumar A, **Paramasivam S**, Rameshthangam P, Paramithiotis S. **2019**. Evaluation of psychrophilic, mesophilic, histamine forming bacteria and biogenic amine content in the muscle of mud spiny lobster, *Panulirus polyphagus* (HERBST, 1793) during ice storage. *J. Food Saf.* 39 (1):e12582 (doi.org/10.1111/jfs.12582). **IF: 1. 665. [Wiley]**. *Top downloaded and one of the most read paper in 2018-2019.*

Year 2018

9. Arulkumar, A., **Paramasivam, S.** & Miranda, J.M. **2018**. Combined Effect of Icing Medium and Red Alga *Gracilaria verrucosa* on Shelf Life Extension of Indian Mackerel (*Rastrelliger kanagurta*). *Food Bioprocess Technol.* doi.org/10.1007/s11947-018-2154-x. pp 1-12. ISSN : 1935-5149. **IF: 3.032. [Springer]**.
10. Abimannan Arulkumar, Thomas Rosemary, **Sadayan Paramasivam** & Ramaswamy Babu Rajendran. **2018**. Phytochemical composition, *in vitro* antioxidant, antibacterial potential and GC-MS analysis of red seaweeds (*Gracilaria corticata* and *Gracilaria edulis*) from Palk Bay, India. *Journal of Biocatalysis and Agricultural Biotechnology*. (doi.org/10.1016/j.bcab.2018.05.008). 15:63-71. ISSN:1878-8181. **[Elsevier]**.

Year 2017

11. Abimannan Arulkumar, Alagusundaram Balamurugan, **Sadayan Paramasivam**, Palanivel Rameshthangam & Spiros Paramithiotis. **2017**. Physicochemical and

Microbiological Changes During Drying of Wolf Herring (*Chirocentrus dorab*) and Coastal Trevally (*Carangoides coeruleopinnatus*), Journal of Aquatic Food Product Technology, 26:8, 929-939, DOI: 10.1080/10498850.2017.1362683. **IF- 0.682. [Taylor & Francis].**

12. Abimannan Arulkumar, **Sadayan Paramasivam**, Palanivel Rameshthangam and Mohamed A Rabie. **2017**. Changes on biogenic, volatile amines and microbial quality of the blue swimmer crab (*Portunus pelagicus*) muscle during storage. Journal of Food Science and Technology. (DOI: 10.1007/s13197-017-2694-5). 54 (8), 2503-2511. **IF: 1.797. [Springer].**
13. Abimannan Arulkumar, **Sadayan Paramasivam** and Rajendiran Rajaram. **2017**. Toxic heavy metals in commercially important food fishes collected from Palk Bay, Southeastern India. Marine Pollution Bulletin. (DOI: 10.1016/j.marpolbul.2017.03.045). 119, 454–459. **IF: 3.782. [Elsevier].**
14. Abimannan Arulkumar, Kaliyan Ramachandiran, **Sadayan Paramasivam**, Palanivel Rameshthangam, Jose Manuel Miranda. **2017**. Effects of turmeric (*Curcuma longa*) on shelf life extension and biogenic amine control of cuttlefish (*Sepia brevimana*) during chilled storage. *CyTA-Journal of Food*. (DOI: 10.1080/19476337.2017.1296495). 15 (3): 441-447. **IF: 1.371. [Taylor & Francis].**
15. Abimannan Arulkumar, Gunasekaran Karthik, **Sadayan Paramasivam** and Mohamed A Rabie. **2017**. Histamine levels in Indian Fish via Enzymatic, TLC and HPLC methods during storage. Journal of Food Measurement and Characterization. 11 (1):281-289. ISSN-2193-4126. **IF: 1.415. [Springer].**

Journal Reviewer

Journal of Food Science and Technology, Journal of Food Safety, Journal of Food Processing and Preservation, Environmental Science and Pollution Research, British Food Journal, Biochemical Journal.

Research Cruise

Actively participated in the Research cruises for the collection of plankton, bacterial samples in the *Indian Coast Guard Ship (ICGS) Kanagalatha Paruva* (March, 2002) and *Indian Coast Guard Ship (ICGS) Akkadevi* (February, 2003) around Great Nicobar Island near Sumatra.

