



**Dr. C. SANTHOSH KUMAR**

**Teaching Assistant**

### Contact

Address : Department of Fisheries Science,  
Alagappa University, Karaikudi – 630 003.

Contact Phone (Mobile) : 7305871982

Contact e-mail(s) : c.santhoshplankton@gmail.com; san.c175@yahoo.co.in

### Academic Qualifications

<b>Degree</b>	<b>Institution</b>	<b>Year</b>	<b>Branch</b>	<b>Class</b>
Ph.D.	CAS in Marine Biology, Annamalai University	2012	Marine Biology	Awarded
M.Phil.	CAS in Marine Biology, Annamalai University	2009	Marine Biology	First
M.Sc.	Pondicherry University, Port Blair, Andaman Islands.	2007	Marine Biology	First
B.Sc.	M.G.R. Arts & Science College, Periyar University- Hosur.	2004	Micro Biology	Second

### Teaching Experience: 7 Years 3 months

Position	Institution	Duration	
		From	To
Adjunct Faculty	Department of Fisheries Science, Alagappa University, Karaikudi	August 2023	Till date
Research Associate	Department of Marine Science Bharathidasan University, Tiruchirappalli,	May 2022	August 2023
Post-Doctoral Fellow	Marine Biology Institute, Shantou University, China	April 2014	July 2018

### Research Experience: 12 Years 4 months

Position	Institution / University	Duration
Adjunct Faculty	Department of Fisheries Science, Alagappa University, Karaikudi	August 2023 to till date
Research Associate	Department of Marine Science Bharathidasan University, Tiruchirappalli	May 2022 to August 2023
Post-Doctoral Fellow	Marine Biology Institute, Shantou University, China	April 2014 to July 2018
Project Scientist	CAS in Marine Biology, Annamalai University, National Centre for Antarctic & Ocean Research (NCAOR), Vasco-da-Gama, Goa	August 2012 to June 2013
Technical Assistant	CAS in Marine Biology, Annamalai University (MoES-ICMAM)	June 2008 to December 2011
Junior Research Fellow	SSCP (Sethu Samuthram Ship Canal Project), CAS in Marine Biology, Annamalai University	June 2007 to June 2008

## Areas of Research

- Taxonomy, biodiversity, mass production and application of marine microalgae
- Taxonomy, biodiversity of marine zooplankton, mass culture of copepods
- Hydrobiological parameters
- Molecular and Biochemistry of plankton
- Developing bioactive compounds from marine diatoms.
- Toxicology of microalgae and zooplankton

## Academic and Additional Responsibilities

S. No	Position	University Bodies	Period	
			From	To
<b>Department Level</b>				
1.	Coordinator	Swachh Bharat, Department of Fisheries Science, Alagappa University	2023	Till date
2.	Coordinator	Village Extension Program (VEP), Department of Fisheries Science, Alagappa University	2023	2025
3.	IQAC NIRF	Department of Fisheries Science, Alagappa University	2025	Till date

## Research Supervision / Guidance

Program of Study		Completed	Ongoing
Project	PG	05	3

## Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
6	4	4	16	03

**h-index** (Google Scholar) **08**

**Total Citations** (Google Scholar) **141**

**h-index** (Scopus) **2**

Citations (Scopus) **18**

### Number of Seminars / Conferences / Workshops / Events organized: 04

Position	Programme	Duration	Institution
Co- Executive Member	Hands - on Training Programme on <b>“MASS PRODUCTION OF MARINE LIVE FEEDS (MPMLF-2022)”</b> sponsored by the Department of Biotechnology (DBT), Ministry of Science & Technology, Govt of India, New Delhi- 110 003, organized by the Marine Planktonology & Aquaculture Laboratory, Department of Marine Science, School of Marine Sciences, Tiruchirappalli.	22-26 <sup>th</sup> August 2022	Bharathidasan University
Organizing Committee Member	DST-STUTI sponsored National Level Training Programme on <b>“MARINE BIORESOURCES AND POLLUTANT BIOMARKERS”</b> Department of Marine Science, School of Marine Sciences, Tiruchirappalli.	13 <sup>th</sup> to 19 <sup>th</sup> October, 2022	Bharathidasan University
Organizing Member	3 <sup>rd</sup> National Seminar on <b>“NEXT GENERATION TECHNOLOGY FOR SUSTAINABLE FISHERIES”</b> organized by Department of Fisheries Science & Centre for Distance & online Education, Alagappa University, Karaikudi.	18 <sup>th</sup> & 19 <sup>th</sup> March 2024	Alagappa University
Organizing Member	Skill Development Training Programme on <b>ENTREPRENEURSHIP OPPORTUNITIES IN THE FISHERIES SECTOR</b> , jointly organized by ICAR -central Institute of Fisheries Technology (ICAR-CIFT) and the Department of Fisheries Science, Alagappa University.	25 <sup>th</sup> to 27 <sup>th</sup> March 2024	Alagappa University

## Events Participated

Number of Conferences / Seminars / Workshops: **22**

## Overseas Exposure / Visits

- As a Project Scientist, I contributed to the 7th Indian Southern Ocean Expedition to **ANTARCTICA** (NCAOR) by collecting zooplankton samples on board. From January 11, 2013 – February 28, 2013.
- In February 2013, I visited **MAURITIUS** and **DUBAI** while collecting zooplankton samples for the 7th ISOEA.
- Post-Doctoral Research carried out Shantou University in **CHINA** 4 years 3 months. From 2014 to 2018.

## Research Achievements

S.No.	Microalgae cultured and used for Sequencing	GenBank-Accession Number NCBI
1.	<i>Graesiella emersonii</i> strain-STUMBI14	KY951713
2.	<i>Tetrademusobliquus</i> strainSTUMBI7	KY951714
3.	<i>Mychonastehomosphaera</i> strain STUMBI8	KY951715
4.	<i>Cyclotella meneghiniana</i> strainSTUMBI9	KY951716
5.	<i>Coelastrumpseudomicroporum</i> strainSTUMBI10	KY951717
6.	<i>Odontella aurita</i> strainSTUMBI11	KY951718
7.	<i>Thalassiosiraeccentrica</i> strainSTUMBI15	KY951719
8.	<i>Helicothecatamesis</i> strainSTUMBI16	KY951720
9.	<i>Cyanobiumgracile</i> stumbi17	KY951721
10.	<i>Nitzschiapalea</i> strainSTUMBI17 18S	KY951722
11.	<i>Coscinodiscusgranii</i> strainStumbi 18S	KX793123
12.	<i>Microcystis aeruginosa</i>	KX128910.1
13.	<i>Microcystisaeruginosa</i> (mcy A)	KX128911.1
14.	<i>Stephanopyxis palmeriana</i> strain STUMBI19	MH074871
15.	<i>Skeletonema costatum</i> strain STUMBI21	MH074872
16.	<i>Chaetoceros decipiens</i> STUMBI22	MH074873
17.	<i>Chaetoceros peruvianus</i> strain STUMBI23	MH074874
18.	<i>Thalassiosirarotula</i> strain STUMBI24	MH074875
19.	<i>Chaetoceros debilis</i> STUMBI25	MH074876
20.	<i>Triereschinensis</i> strainSTUMBI20	MH074877
21.	<i>Skeletonema costatum</i> clone( <i>rbcl</i> ) CASMB1	JN159931
22.	<i>Skeletonema costatum</i> 18Sribosomal RNA	JN676163
23.	<i>Skeletonema costatum</i> isolate (ITS) CASMB2	JN792565
24.	<i>Nannochloropsis gaditana</i> strain STUMBI18	MH053387

## List of Research Articles / Recent Publications

S.No	Authors/Title of the paper/Journal	Impact Factor
1.	<b>Chinnappan Santhoshkumar</b> , Jingting Cai, Yanfei Li, Zhenxiong Yang, Yangjie Sheng, Keying Cheng, Hong Du, Wenhua Liu, and Ping Li. 2024. "Light and Nutrient Conditions Influence Fucoxanthin Production of the Microalgae <i>Cyclotella meneghiniana</i> " <i>Applied Sciences</i> 14, no. 13: 5504.	2.5
2.	P Peihang Xu, Huaqiang Tan, Weiquang Jin, Yanfei Li, <b>C. Santhoshkumar</b> , Ping Li & Wenhua Liu. Antioxidative and antimicrobial activities of intertidal seaweeds and possible effects of abiotic factors on these bioactivities. <i>J. Ocean. Limnol.</i> 36, 2243– 2256 (2018)	1.6
3.	Yanfei Li, Ping Li, Peihang Xu, Yinglin Wu, Wenhua Liu and <b>C. Santhoshkumar</b> . Effect of Nutrients and Antioxidant Enzyme Activities from <i>Microcystis aeruginosa</i> . <i>Int.J.Curr.Microbiol.App.Sci</i> (2016) 5(8): 571-576.	-
4.	<b>C. Santhosh Kumar</b> , V. Ashok Prabu and C. Prasanna Kumar. DNA Barcode Genes (rbcL, 18s rRNA and ITS Phylogeny) in <i>Skeletonema costatum</i> Greville (Cleve, 1873). <i>Int.J.Curr.Microbiol.App.Sci</i> (2015) 4(9): 195-203	-
5.	<b>C. Santhosh Kumar</b> and V. Ashok Prabu. Nutritional Value of <i>Skeletonema Costatum</i> (Cleve, 1873) From Parangipettai, Southeast Coast of India. <i>IJPSR</i> 2015; Vol. 6(8): 463-3466	-
6.	<b>C. Santhosh Kumar</b> and V.Ashok Prabu. Physico-chemical parameters in Parangipettai coastal waters and Vellar estuary, Southeast coast of India. <i>Int.J.Curr.Microbiol.App.Sci</i> (2014) 3(9) 85- 93.	-
7.	<b>C. Santhosh Kumar</b> and V.Ashok Prabu. Culture of the phytoplankton <i>Skeletonema costatum</i> , Cleve, 1873. <i>Int.J.Curr.Microbiol.App.Sci</i> (2014) 3(11) 129-136.	-
8.	<b>C. Santhosh Kumar</b> , Ashok Prabu, V., Sampath Kumar, P. and P Anantharaman. Occurrence of algal bloom <i>Microcystis aeruginosa</i> in the vellar estuary, southeast coast of India. <i>International Journal of Current Research</i> ISSN: 0975-833X. Vol. 5, pp.052-055, June, 2010.	-
9.	P. Karthikeyan S.Jayasudha, P.Sampathkumar, K. Manimaran, <b>C. Santhosh kumar</b> , S. Ashokkumar and V. Ashokprabu. Effect of industrial Effluent on the Growth of Marine Diatom, <i>Chaetoceros simplex</i> (Ostenfeld, 1901). <i>JASEM</i> ISSN 1119-8362. Vol. 14 (4) 35 –37, December, 2010.	-
10.	<b>C. Santhosh Kumar</b> , V. Ashok Prabu, P. Sampath Kumar and T. Balasubramanian. Ecology of Phytoplankton in Parangipettai coastal waters, Southeast coast of India. <i>Marine Biodiversity: Present Status and Prospects</i> , Pages 239–244 (2011).	-
11.	<b>C. Santhosh Kumar</b> , and P. Perumal. Studies on phytoplankton characteristics in Ayyampattinam Coast, India. <i>Journal of Environmental Biology</i> . Vol.33.585-589 (2012).	0.7
12.	<b>C. Santhosh Kumar</b> , and P. Perumal. Hydrobiological Investigations in Ayyampattinam Coast (Southeast coast of India) with special Reference to Zooplankton. <i>Asian Journal of Biological Sciences</i> . 4 (1): 25-34, (2011).	-

## Book published / Monograph

**Practical Manual On Marine Phytoplankton Identification** by C. Santhosh Kumar, V.Ashok Prabu, T. Balasubramanian (2016). ISBN-10:9384337781. ISBN-13:978-9384337780.