



Dr. P. SANTHANAM
Associate Professor

Contact:

Address : Department of Marine Science
School of Marine Sciences
Bharathidasan University
Tiruchirappalli-620 024
Tamil Nadu, INDIA

Employee Number : BDU1750801

Date of Birth : 05.06.1975

Contact Phone (Office) : +91 431 2407111

Contact Phone (Mobile) : +91 9894223482

Contact e-mail(s) : santhanam@bdu.ac.in

Skype id : santhanam_14

Website : www.mpalbdu.weebly.com

Academic Qualifications: M.Sc., M.Phil., Ph.D., (Marine Biology)

Degree	Institution/University	Subject	Year
Ph. D.	C.A.S. in Marine Biology, Annamalai University, Parangipettai.	Marine Biology	2003
M. Phil.	C.A.S. in Marine Biology, Annamalai University, Parangipettai.	Marine Biology	1999
M. Sc.	C.A.S. in Marine Biology, Annamalai University, Parangipettai.	Marine Biology & Oceanography	1997

Teaching Experience: 16 Years

Post held	Period	University/Institution
Associate Professor	12.02.2019-Till Date	Bharathidasan University, Tiruchirappalli-24, Tamil Nadu, INDIA.
Assistant Professor	12.02.2007-11.02.2019	Bharathidasan University, Tiruchirappalli-24, Tamil Nadu, INDIA.
Assistant Professor	15.03.2006-31.12.2006	College of Marine Science and Technology State of Eritrea, North East Africa

Research Experience: 21 Years

Post held	Period	University/Institution
Research Associate	01.10.2005-28.02.2006	C.A.S. in Marine Biology, Annamalai University, Parangipettai, Tamil Nadu.
Senior Research Fellow	10.08.2002-30.09.2005	C.A.S. in Marine Biology, Annamalai University, Parangipettai, Tamil Nadu.
Junior Research Fellow	10.8.2000-09.07.2002	C.A.S. in Marine Biology, Annamalai University, Parangipettai, Tamil Nadu.

Additional Responsibilities

1. **Co-ordinator**-Placement & Training Cell, Department of Marine Science, Bharathidasan University, Tiruchirappalli-24.
2. **Member**, University UGC-CARE Verification Committee.
3. **Member**-Departmental Research Committee, Discipline Committee & Anti-Ragging Committee of Department of Marine Science, Bharathidasan University, Tiruchirappalli-24.
4. **Camp Officer** for Central valuation in April 2017 (Unit IV), Bharathidasan University, Tiruchirappalli-24.
5. **Co-ordinator**, Faculty Induction Programme-IV, UGC-HRDC, Bharathidasan University, Tiruchirappalli-24, held during 20.01.2021-18.02.2021.
6. **Proctor**, Ph.D. Eligibility Test conducted on 14.02.2021.

Areas of Research: MARINE PLANKTONOLOGY & AQUACULTURE

- Taxonomy, Biodiversity, Biology & Biochemistry of Marine Plankton.
- Ecology and Eco-toxicology of Marine Plankton.
- Nanobiotechnology & Bioremediation Value of Marine Plankton.
- Mass Production & Utilization of Marine Plankton as Live Feed in Aquaculture.
- Sustainable Aquaculture Practices (i. e. Biofloc-Copefloc, Aquaponics, RAS & IMTA).
- Development of Marine Plankton derived value added products.
- Marine & Brackishwater Fin Fishes and Shellfishes larviculture.

Research Supervision/Guidance

Program of Study		Completed	Ongoing
Research	PDF	07	02
	Ph.D.	17	08
	M.Phil.	14	-
Project	PG	84	09
	UG/Others	02	-

Guidance of Post-Doctoral Fellows:

S. No	Name	Year of the Award	Name of the Award/Awarding Agency	Remarks
1	Dr. S. Balakrishnan	2015-2017	UGC-Research Awardee	Completed
2	Dr. T. Veeramani	2015-2020	UGC-SC/ST PDF	Completed
3	Dr. N. Manickam	2016-2018	DST-SERB-NPDF	Completed
4	Dr. T. Muralisankar	2016-2018	DST-SERB-NPDF	Completed
5	Dr. K. Nanthini Devi	2018-2021	UGC-DS Kothari PDF	Completed
6	Dr. S. Dinesh Kumar	2017-2022	UGC-SC/ST PDF	Completed
7	Dr. N. Manickam	2018-2021	UGC-DS Kothari PDF	Completed
8	Dr. Roseline Jabapriya	2021-2024	DST-Women Scientist-B	Progress
9	Dr. M. Anjugam	2021-2023	DST-SERB-NPDF	Progress

Guidance of Ph.D.:

S. No	Name of the candidate	Year of Award / Reg.	Title of the Thesis	Remarks
1	Dr. J. Sivakumar	2012	Biodiversity of mangrove actinomycetes and their possible utility for antimicrobial nanoparticles and probiotics	Awarded
2	Dr. K. Jothiraj	2012	Studies on biology, culture and efficacy of marine copepod <i>Nannocalanus minor</i> for fish Larviculture	Awarded
3	Dr. N. Jeyaraj	2012	Studies on biodiversity, experimental biology, hatchery production and suitability of marine copepod <i>Paracalanus parvus</i> as live feed for larval rearing of Asian seabass <i>L. calcarifer</i> and tiger shrimp <i>P. monodon</i>	Awarded
4	Dr. M. Kathiresan	2013	Composition and community structure of plankton from Muthupet coastal waters and application of marine copepod <i>Oithona rigida</i> for larval rearing of Pacific white shrimp <i>Litopenaeus vannamei</i>	Awarded

5	Dr. B. Balaji Prasath	2015	Ecology and experimental studies on bloom forming phytoplankton from Muttukadu backwater, Southeast coast of India	Awarded
6	Dr. R. Nandakumar	2015	Eco-biology, culture and live feed suitability of zooplankton for nursery rearing of ornamental fish <i>Monodactylus argenteus</i> with special emphasis on marine copepod <i>Nitocra affinis</i>	Awarded
7	Dr. S. Dinesh Kumar	2015	Biodiversity of phytoplankton in Muthukuda mangrove environment, Southeast coast of India and its utilization for aquaculture wastewater remediation and valuable co-product.	Awarded
8	Dr. S. Ananth	2015	Eco-biology, culture and use of marine copepod as an alternative live feed for shrimp larviculture	Awarded
9	Dr. A. Shenbaga Devi	2015	Isolation, culture and application of marine microalga <i>Dunaliella salina</i> (Volvocales, Chlorophyceae) as an aqua feed additive.	Awarded
10	Dr. S. Jeyanthi	2016	Screening, culture optimization and utilization of marine diatom <i>Amphora coffeaeformis</i> for sustained production of biofuel and as an aqua feed additive	Awarded
11	Dr. C. Premkumar	2018	Isolation, screening, characterization and evaluation of selected marine actinomycetes as a probiotic feed for the larval rearing of fish <i>Lates calcarifer</i> (Bloch, 1790) and shrimp <i>Litopenaeus vannamei</i> (Boone, 1931)	Awarded
12	Dr. T. Jayalakshmi	2018	Impact of acidification on feeding, survival, productivity and biochemical composition of marine harpacticoid copepod <i>Parastenhelia</i> sp. - A microcosm study	Awarded
13	Dr. R. Sasi Rekha	2019	Studies on characterization and biocompatibility evaluation of surface functionalized marine diatom <i>Amphora subtropica</i> as drug (Doxorubicin) delivery platform for cancer therapy.	Awarded
14	Dr. M. Kaviyarasan	2020	Isolation, culture and application of marine copepod as live feed for fish larviculture.	Awarded
15	Dr. M. Divya	2020	Bioremediation of aquaculture wastewater using a novel method of marine microalgae immobilized on twin layer recirculation system for zero waste management	Awarded
16	Dr. F. Leena Grace Nancy	2020	Bioremediation of sugar mill effluent using microalgae for zero waste discharge and bioproduct development	Awarded
17	Dr. P. Bharatha Rathna	2020	Effects of replacing dietary fishmeal with seaweed and seagrass meal on growth, biochemical composition and antioxidant activity of whiteleg shrimp <i>Penaeus vannamei</i>	Awarded

18	Mr. P. Raju	2017-21	Impact of microplastic ingestion on biology and biochemical characterization of marine copepod <i>Oithona dissimilis</i>	Progress
19	Ms. N. Krishnaveni	2017-22	Effects of replacing dietary fish meal with <i>Arthrospira platensis</i> meal on growth, body composition, antioxidant and immunological properties of white leg shrimp <i>Penaeus vannamei</i>	Progress
20	Dr. O. Kasinathan	2020-25	Biodiversity and biochemical composition of marine plankton occurring in the Palk Bay and Gulf of Mannar, Southeast coast of India	Progress
21	Mr. S. Gunabal	2020-25	Large scale production and use of marine copepod in ornamental shrimp larviculture	Progress
22	Ms. P. Gowthami	2021-26	Occurrence, impacts and biomitigation strategies of microplastic pollution in aquaculture important species	Progress
23	Mr. P. Sridhar	2021-26	Pilot scale production and use of marine copepod in ornamental fish larval rearing	Progress
23	Mr. M. Syed Marjuk	2021-26	Development of marine copepod value addition for sustainable aquaculture	Progress
24	Ms. S. Sinduja	2021-26	Development and application of novel aquaponics system for sustainable aqua-agriculture production	Progress

Guidance of M. Phil.:

S. No	Name of the Candidate	Year of Award/Registration	Title	Remarks
1	Mr. B. Venkata Krishnan	2010	Antimicrobial activity of marine microalga <i>Chlorella marina</i> against human and fish pathogens	Awarded
2	Mr. S. Dineshkumar	2011	Nutrients and heavy metal removal efficiency of mobilized and immobilized marine microalga <i>Chlorella marina</i> for wastewater bioremediation	Awarded
3	Mr. C. Premkumar	2011	An investigation on antibacterial activity and characterization of biochemical, phytochemical and heavy metal composition of seagrass, <i>Cymodocea serrulata</i> and <i>Syringodium isoetifolium</i>	Awarded
4	Ms. A. Shenbaga Devi	2011	Effect of salinity, illumination and nitrogen concentration on growth and pigment production of marine phytoplankton <i>Dunaliella</i> sp. for exploration of carotene	Awarded*

5	Mr. S. Ananth	2012	Live feed suitability of marine copepod <i>Euterpina acutifrons</i> (Dana) for larval culture of Asian seabass <i>Lates calcarifer</i> (Bloch) over traditional live feeds	Awarded
6	Mr. R. Chinnaraja	2012	Studies on bioaccumulation and bio-magnifications of heavy metals in small marine food chain along the Tamil Nadu, Southeast coast of India	Awarded
7	Mr. R. Nandakumar	2012	Laboratory culture of <i>Macrosetella gracilis</i> (Dana) and comparison of Astaxanthin enrichment proficiency of different live feeds (Copepods and <i>Artemia</i> nauplii) in Pacific white shrimp <i>Litopenaeus vannamei</i> (Boone, 1931) post larvae	Awarded
8	Ms. P. Ananthi	2012	Laboratory culture and application of marine copepod <i>Oithona rigida</i> for larval rearing of <i>Litopenaeus vannemi</i> (Boone, 1931) with special reference to Astaxanthin development	Awarded
9	Ms. T. Jayalakshmi	2012	Seasonal variations on distribution and Biochemical composition of zooplankton from Muthukuda coastal environs, Southeast coast of India	Awarded*
10	Mr. P. Raju	2012	Comparative studies on growth, survival and fatty acid enrichment on Pacific white shrimp <i>Litopenaeus vannamei</i> (Boone, 1931) using enriched and un-enriched <i>Artemia</i> nauplii and marine copepod <i>Oithona rigida</i>	Awarded*
11	Ms. Soumya. G. Nair	2012	An investigation on nutrients and textile dye removal efficacy of seagrass <i>Cymodocea rotundata</i> immobilized beads	Awarded*
12	Mr. A. Velusamy	2013	Composition and community structure of plankton in Cochin Backwater, Southwest coast of India	Awarded
13	Ms. P. Bharatha Rathna	2014	Effect of partial replacement of fishmeal with seagrass <i>Cymodocea cerrulata</i> meal on growth and biochemical composition of white leg shrimp <i>Litopenaeus vannamei</i>	Awarded
14	Mr. S. Gunabal	2018-19	Sustainable production of <i>Penaeus vannamei</i> using a novel Biofloc: Copefloc Technology	Awarded*

* Co-Guide

Guidance of UG/PG Students:

S. No	Name	Year	Title of the Thesis	Remarks
1	Ms. P. Ambili Chackochan	2008	Biomineralization: Calcium precipitating bacteria and its role of corrosion in sea water.	Awarded
2	Mr. C. Girish Palaniappan	2008	Effect of immune herb and water exchange on rearing of Asian Seabass <i>Lates calcarifer</i> (Bloch).	Awarded
3	Mr. S. Abdul Ravoof	2008	Influence of water exchange and green water addition on rearing of Asian seabass (<i>Lates calcarifer</i>) (BLOCH)	Awarded
4	Mr. S. Kumaralingam	2008	Biopharmaceutical potential of the nematocyst venom of the jellyfish (<i>Chiropsalmus quadrigatus</i>)	Awarded
5	Mr. S. Ananth	2010	Laboratory culture and nutritional evaluation of marine copepod, <i>Macrosetella gracilis</i> (DANA).	Awarded
6	Mr. S. Dinesh Kumar	2010	Evaluation of changes in water quality and chemistry of Mandovi estuary over diurnal period using factor analysis and water quality index.	Awarded
7	Mr. C. Premkumar	2010	Identification and antimicrobial activity of seaweeds from Mandapam coastal waters, Southeast coast of India	Awarded
8	Ms. A. Shenbaga Devi	2010	Studies on mass culture and biofuel production of marine microalgae <i>Dunaliella</i> ap. And <i>Nannochloropsis</i> sp.	Awarded
9	Ms. Vidya Madhavu	2010	Interaction of bacterial isolates from water samples Afanasiy-Nikitin seamount with ferro manganese crust.	Awarded
10	Ms. V. Rekha	2010	Culture and production of biodiesel from the marine microalgae <i>Chlorella marina</i> (Butcher) and <i>Skeletonema costatum</i> (Grev.) Cleve.	Awarded*
11	Ms. V. Suganthi	2010	Intensive culture and antimicrobial activity of marine microalgae <i>Chlorella marina</i> (Butcher).	Awarded*
12	Ms. P. Ananthi	2011	Culture and evaluation of live feed suitability of marine copepods for larval rearing of tiger shrimp <i>Penaeus monodon</i> with special emphasis on pigment enhancement.	Awarded
13	Ms. A. Bharathi	2011	Antimicrobial activity of mangrove <i>Avicenia marina</i> from Muthupet lagoon.	Awarded*
14	Mr. V. Chinna Raja	2011	Investigation on accumulation and magnifications of heavy metals in small marine food-chain, Coromandel coast, southeast coast of India.	Awarded
15	Ms. L. Devika	2011	Studies on isolation, characterization and cytotoxic assay of l-Asparaginase enzyme from marine actinomycetes	Awarded

16	Ms. T. Jayalakshmi	2011	Hatchery production and nutritional composition of marine harpacticoid copepod <i>Euterpina acutifrons</i> (Dana)	Awarded
17	Ms. P. Kuyili	2011	Preliminary investigation on food potential of non-food fish <i>Lagocephalus inermis</i> with special reference to chemical and biochemical composition	Awarded
18	Ms. R. Mithra	2011	Heavy metal and Nutrient removal efficiency of seaweeds.	Awarded*
19	Mr. P. Raju	2011	Laboratory culture and comparative dietary essential fatty acid composition of enriched <i>Artemia</i> and unenriched marine copepods	Awarded
20	Mr. M. Thiyagarajan	2011	Biodiesel production efficiency of marine planktivorous fish <i>Sardinella longiceps</i> (Valencinnes, 1847)	Awarded
21	Mr. M. Kaviyarasan	2012	Ecology, culture and efficacy of marine copepod <i>Oithona rigida</i> (Giesbrecht) for larval production of <i>Penaeus monodon</i> with emphasis on pigment enrichment	Awarded
22	Mr. S. Vasudevan	2012	Evaluation of phytoplankton biomass in Muthukuda waters and effect of temperature and microalgae on feeding and survival of copepod <i>Oithona rigida</i>	Awarded
23	Mr. A. Rameshkumar	2012	Studies on diversity and antimicrobial activity of marine phytoplankton in Muthukuda mangrove waters, Southeast coast of India	Awarded*
24	Mr. S. Jerome	2013	Deciphering surface water quality of Gulf of Khambhat through observations and water quality modelling	Awarded
25	Ms. N. Bhuvaneshwari	2013	Effect of pH on the feeding, survival and egg production of marine copepod <i>Pseudodiaptomus annandalei</i> (Sewell, 1919)	Awarded
26	Ms. K. Rajanandhini	2013	Laboratory mesocosm studies on the impact of CO ₂ driven acidification on growth and biomass of marine diatom <i>Nitzschia</i> sp.	Awarded
27	Mr. S. Adam	2013	Bioremediation of tannery wastewater using an immobilized marine microalga <i>Chlorella marina</i>	Awarded* †
28	Mr. P. Emmanuel Charles	2014	Grain size and clay mineral assemblages of a deep-sea sediment core from the Eastern Arabian Sea	Awarded
29	Mr. G. Venkatesan	2014	Effect of pH on feeding, survival and fecundity of marine cyclopoid copepod <i>Oithona rigida</i> Giesbrecht	Awarded
30	Ms. C. Sathiya	2014	Effect of pH on marine diatom <i>Amphora</i> sp. and concomitant effect on feeding, survival and fecundity of copepod <i>Oithona rigida</i>	Awarded
31	Ms. P. Bharatha Rathna	2014	Comparative studies on impact of pH on water chemistry and growth of marine diatom <i>Amphora</i> sp. and green alga <i>Chlorella</i> sp.	Awarded

32	Ms. A. Anna Joicy	2014	Replacement of fishmeal by seaweed (<i>Ulva fasciata</i>) meal in practical diets for Asian seabass <i>Lates calcarifer</i> (Bloch, 1790)	Awarded
33	Ms. D. Divya	2014	Bioremediation of aquaculture wastewater using marine sponge <i>Haliclona oculata</i> beads	Awarded*
34	Ms. A. Priyadharshini	2014	<i>Carica papaya</i> lipase-An enzymatic biodiesel production from the marine fish <i>Auxis rochie rochie</i>	Awarded*
35	Ms. S. Rameswari	2014	Application of biological chitosan as an adsorbent to treat shrimp culture wastewater	Awarded*
36	Ms. D. Udayasoundari	2014	Effects of replacing fish meal with seaweed (<i>Lobophora variegata</i>) meal on growth and biochemical composition of Asian seabass <i>Lates calcarifer</i> (Bloch, 1790)	Awarded
37	Ms. S. Monica	2014	Bioremediation of wastewater using marine actinomycetes biosorbent powder and beads	Awarded*
38	Mr. R. Sabarish	2014	Antimicrobial activity of marine actinomycetes	Awarded*
39	Mr. R. Sundar	2015	Effect of replacing fishmeal with seagrass meal on growth and fatty acids profile of <i>Litopenaeus vannamei</i> larvae	Awarded
40	Mr. C. Vinothan	2015	Replacement of fishmeal by beetroot meal in diets for <i>Litopenaeus vannamei</i> with special emphasis on growth and colour enhancement	Awarded*
41	Mr. S. Karthika	2015	Antibacterial, antifungal activities and protein quantification of extract from selected fish epidermal mucus	Awarded*
42	Ms. S. Revathi	2015	The indigo blue dye decolorization potential of immobilized <i>Chlorella vulgaris</i> (PSBDU06)	Awarded*
43	Ms. D. Sathya	2015	Isolation, identification, characterization and algicidal activity of bacteria against the toxic microalgae <i>Microcystis aeruginosa</i>	Awarded*
44	Ms. A. Saravana Priya	2016	Pigment enhancement in ornamental fish and its antioxidant effect using freshwater microalgae and crustacean exoskeleton	Awarded
45	Ms. M. Sakthi Priya	2016	Antioxidant and antimicrobial activity of selected marine microalgae	Awarded*
46	Mr. A. Arun	2016	Bioremediation of sewage effluent using mobilized and immobilized microalgae	Awarded*
47	Ms. B. Jasminivetha	2017	Utilization of sugar cane industry effluent towards the cost saving biomass production and nutrients removal by <i>Chlorella vulgaris</i> (PSBDU06) – A dual approach	Awarded*
48	Ms. D. Vijayalakshmi	2017	Bioremediation of sugar cane industry effluent using immobilized microalga <i>Scenedesmus peccensis</i>	Awarded*
49	Ms. T. Pavithra	2017	Effect of replacing fishmeal with microalga <i>Arthospira platensis</i> meal on growth, survival, body composition and antioxidant activity of ornamental fish	Awarded

50	Ms. C. Pavitha	2017	Effect of replacing fishmeal with seagrass meal on growth and body composition of ornamental fish	Awarded
51	Ms. T. Thamaraiselvi	2017	Replacement of fishmeal with seaweed meal for larval rearing of shrimp	Awarded
52	Mr. S. Gunabal	2017	Impact of microplastic on biology and biochemical profiles of marine copepod	Awarded
53	Ms. N. Murugaselvi	2017	Antimicrobial and antioxidant activity of marine plankton	Awarded
54	Ms. N. Bharathi	2018	Effect of seaweed extracts as a supplementary medium on the culture of microalgae <i>Picochlorum maculatum</i>	Awarded*
55	Ms. D. Elavarasi	2018	Studies on antimicrobial and antioxidant activity of microalgae <i>Cosmarium</i> sp.	Awarded*
56	Ms. S. Keerthana	2018	Cultivation of <i>Scenedesmus peccensis</i> using rice bran wastewater for biomass production and nutrients removal	Awarded*
57	Ms. Tanya Prasad	2019	Studies on microzooplankton along the coastal waters of Gopalpur and Visakhapatnam	Awarded
58	Ms. Cynthia Andrew	2019	Seasonal ecology and distribution of mesozooplankton especially copepods in the nearshore waters along the southwest coast of India	Awarded
59	Mr. T. Sriban	2019	Aquaponics: A special emphasis on integrated production of ornamental fish and agriculture crop	Awarded*†
60	Ms. R. Raguna	2019	The synergistic response of <i>Streptomyces</i> sp. and <i>Dictyosphaerium</i> sp. by co-cultivation for biomass and photosynthetic pigments productions using tea industry effluents	Awarded*
61	Mr. A. Arun Krishnan	2019	Impact of polystyrene microplastics on marine phytoplankton	Awarded*
62	Mr. S. Sonai Pandian	2019	Impact of microplastic ingestion on survival, nauplii hatching and total lipid content of marine copepod <i>Pseudodiaptomus annandalei</i>	Awarded*
63	Mr. R. Aravindhamsamy	2019	Impact of microplastic ingestion on survival, hatching succession and proximate composition of brine shrimp (<i>Artemia franciscana</i>)	Awarded*
64	Ms. K. Akalya	2020	Effect of seaweed extracts as a supplementary medium on the growth, biomass and pigments production of marine microalga <i>Picochlorum maculatum</i> (PSDK01)	Awarded*
65	Ms. A. Ishwarya	2020	Studies on proximate composition, phytochemicals and antioxidant activity of marine microalga <i>Tetraselmis suecica</i> (PSBDU03)	Awarded*
66	Ms. R. Nivetha	2020	Evaluation of proximate composition and antimicrobial activity of marine microalga <i>Nannochloropsis oculata</i> (PSBDU04)	Awarded*

67	Ms. P. Punitha	2020	Evaluation of suitability of seaweed liquid fertilizer on the growth and pigments production of agricultural crop plant <i>Vigna radiata</i>	Awarded*
68	Ms. R. Reshmadevi	2020	Optimization of culture conditions in <i>Dunaliella salina</i> (PSBDU05) under different pH, salinity, temperature, photoperiod and light intensity for high value biomass and pigments production	Awarded*
69	Ms. A. Sathiya	2020	Effect of dietary microplastics in <i>Artemia</i> and concomitant impact on edible fish Asian Seabass <i>Lates calcarifier</i>	Awarded*
70	Mr. P. Sridhar	2020	Effect of microplastic ingestion on growth, survival and biochemical composition of shrimp <i>Penaeus vannamei</i>	Awarded*
71	Mr. P. Dhivakaran	2020	Effect of dietary microalgae on survival, nauplii hatching, post-embryonic development and pigments enhancement in <i>Nitokra</i> sp.	Awarded *
72	Mr. K. Jayaprakash	2020	Aquaponics: a sustainable approach for production of Tilapia and agricultural crop.	Awarded *
73	Mr. Arijit Banik	2021	Status on Plankton Community and Hydrological Studies of the Rivers across Nadia and North 24 Parganas Districts in West Bengal	Awarded
74	Mr. A. Muhammad Alameen	2021	Sustainable Production of Edible Fish and Agricultural Food Crops using Integrated Recirculating Aquaponics	Awarded
75	Mr. Rajdip Mandal	2021	Effect of Biofloc-Copefloc Feeding on the Growth and Survival of <i>Penaeus vannamei</i>	Awarded
76	Mr. Supratik Banerjee	2021	Effect of Stocking Density on Larval Rearing of Hilsa-Shad (<i>Tenualosa ilisha</i>)	Awarded
77	Ms. Pritha Bakshi	2021	Effect of Dietary Microalgae on the Growth and Pigments Improvement in Marine Ornamental Fish, <i>Amphiprion percula</i>	Awarded *
78	Mr. Rabiul Karim, SK.	2021	Development and Application of Recirculating Aquaponics System for the Production of Fish and Plant	Awarded *
79	Ms. Sagaya Princy, R.	2021	Effect of Different Diet on Survival, Population Density and Proximate Composition of Marine Copepod <i>Oithona rigida</i>	Awarded *
80	Mr. Faidu Rahman, K.	2021	Regulatory effect of gibberellic acid on the biomass, proximate and fatty acids compositions of <i>Nannochloropsis salina</i> reciprocal nitrogen concentration	Awarded *
81	Ms. Hemadevi, V.	2021	Assessment of Phytochemical, Antioxidant and Antibacterial Activity of Marine Microalga <i>Dunaliella salina</i>	Awarded *
82	Ms. Mahalakshmi, N.	2021	Evaluation of Phytochemical, Antioxidant and Antidiabetic Properties of Marine Microalga <i>Arthrospira platensis</i>	Awarded *

83	Ms. Prathipa, A.	2021	Enhancement of exopolysaccharides production in <i>Tetraselmis suecica</i>	Awarded *
84	Ms. Sharmistha Chakraborty	2021	Bioencapsulation of Artemia nauplii with probiotic bacteria and its growth promoting efficacy in <i>Penaeus vannamei</i>	Awarded *
85	Mr. Arunkumar, M.	2022	Induced breeding of marine copepod	Progress
86	Ms. Debleena Das	2022	Dietary effect of copepod on <i>Penaeus vannamei</i>	Progress
87	Ms. Devika Prajith	2022	Production of fish and vegetable in aquaponics	Progress
88	Ms. Hema, M.	2022	Impacts of audible sound on microalgae	Progress
89	Mr. Ashik, P.S.	2021	Effect of cyanobacterial toxin in zebra fish	Progress
90	Ms. Bournna, M.	2022	Anti-diabetic activity of marine microalgae	Progress
91	Ms. Mathupriya, R.	2022	Culture of Fish and Vegetables in Aquaponics	Progress
92	Mr. Pandithamizharasan, P.	2022	Mosquito larvicidal activity of copepod	Progress
93	Mr. Prabu, T.	2022	Effect of fragrance on copepod population	Progress

* Co-Guide; † UG Degree

People working in the funded Projects:

S. No	Name	Period	Designation	Funding Agency
1	Dr. N. Manickam	2021-2024	Research Associate	DBT
2	Dr. K. Nanthini Devi	2021-2024	Project Associate	DBT
3	Mr. P. Raju	2021-2024	Project Associate	DBT
4	Mr. K. Rajagopal	2021-2024	Project Assistant	DBT
5	Ms. R. Sagaya Princy	2021-2024	Project Assistant	DBT
6	Mr. M. Vignesh	2021-2024	Project Assistant	TANSCH

Publications: Total Publications: 267 (As on 01.01.2022)

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
81	08	89	01	88

Cumulative Impact Factor (as per JCR) : 200
h-index : 23
i10 index : 65
Total Citations : 2001 (As on 25.01.2022)

Scopus index: <https://www.scopus.com/authid/detail.uri?authorId=37024485100>

Google Scholar Index: <https://scholar.google.co.in/citations?user=vizEOi4AAAAJ&hl=en>

Research Gate: <https://www.researchgate.net/profile/Perumal-Santhanam/4>

Funded Research Projects: Total Projects: 10

Completed Research Projects: 07

S. No	Funding Agency	Period		Project Title	Budget (Rs. in lakhs)
		From	To		
1	DBT	2008	2010	Intensive culture and food feasibility of marine copepods for aquaculture	16.77
2	UGC	2008	2011	Seasonal composition and abundance of meroplankton from Muthupettai mangrove waters	07.70
3	DST	2008	2011	Isolation, culture, biochemical characterization and use of marine copepod <i>Euterpina acutifrons</i> for fish Larviculture	09.02
4	SERB	2013	2015	Exploration of nutritionally superior live feeds (Marine Copepods) for high quality fish larval production	12.00
5	DBT	2013	2016	Intensive indoor and outdoor pilot scale production of marine copepod <i>Oithona rigida</i>	54.71
6	UGC	2015	2018	Bioremediation of aquaculture wastewater using a novel method of marine microalgae immobilized on twin layer recirculation system for zero waste management	15.69
7	MoEF&CC	2016	2019	DNA barcoding and phylogenetic analysis of coastal and marine copepods along the Tamil Nadu and Pondicherry, Southeast coast of India	35.07

Ongoing Research Projects: 03

S. No	Funding Agency	Period		Project Title	Budget (Rs. in lakhs)
		From	To		
1	DBT	2019	2022	High Density Continuous Production of Domesticated Marine Copepods (<i>Pseudodiaptomous annandalei</i> , <i>Dioithona rigida</i> & <i>Nitokra affinis</i>) using selective and induced breeding in RAS: A Way Forward Towards the Culture Supply and Technology Dissemination	52.28
2	TANSCH	2021	2024	Development of Integrated Recirculating Marine Aquaponics System for the Sustained Aqua-Agriculture Production: A New Avenue to Enhance the Rural Livelihood	65.31
3	DBT	2021	2024	Cell and Developmental Biology of Marine Organisms: Developmental Biology of Marine Live Feed Organisms in Aquaculture	173.63

Distinctive Achievements/Awards

1. Developed technology for the culture of marine copepods for the first time in India.
2. Developed RAS for large-scale production of marine copepods for the first time in India.
3. Developed Immobilized Microalgae Photobioreactor for the first time in India.
4. Established Copepods Culture Facility in the vicinity of Bharathidasan University.
5. Established Microalgae Culture Facility in the Bharathidasan University.
6. DST-YOUNG SCIENTIST AWARD in 2007
7. Best Researcher Award-2015 by KTSTM Trust, Muthukulathur, Tamil Nadu, India
8. Dr. M. Aruchami Award by Kongunadu Arts & Science College & Dr. M. Aruchami Trust, Coimbatore, Tamil Nadu, India

Events organized in leading roles: 08

1. Organised the “National Conference on Marine Biodiversity-Present Status and Prospects (MABPSAP-2010)” during 16-18th September, 2010 at Department of Marine Science, Bharathidasan University, Tiruchirappalli-620 024, sponsored by MoES, DST, DBT, TNSCST, CSIR and BDU.
2. Organised the National Level “Workshop on Advances in Aquaculture Technology (WAAT-2012)” during 20-24 February, 2012 at Department of Marine Science, Bharathidasan University, Tiruchirappalli-24, sponsored by MoES, DST, DBT and BDU.
3. Organised the National Level “Hands-on Training on Taxonomic Identification of Coastal and Oceanic Copepods (TICOC-2017)” during 12-14 July, 2017 at Department of Marine Science, Bharathidasan University, Tiruchirappalli-24, sponsored by MoEF & CC, Govt. of India, New Delhi.
4. Organised the National Level “Hands-on Training on Taxonomic Identification of Coastal and Oceanic Copepods (TICOC-2018)” during 25-28 September, 2018 at Department of Marine Science, Bharathidasan University, Tiruchirappalli-24, sponsored by MoEF & CC, Govt. of India, New Delhi.
5. Organised the National Level “Hands-on Training on Taxonomic Identification of Coastal and Oceanic Copepods (TICOC-2019)” during 03-05 October, 2019 at Department of Marine Science, Bharathidasan University, Tiruchirappalli-24, sponsored by MoEF & CC, Govt. of India, New Delhi.
6. Organised the National Level Virtual Training Lecture on Techniques in Intensive Production of Marine Copepods (TIPMAC-2020)” during 17-19 June, 2020 at Department of Marine Science, Bharathidasan University, Tiruchirappalli-24, sponsored by Department of Biotechnology (DBT), Govt. of India, New Delhi.
7. Organised the International Webinar on “Living Capsules in Aquaculture (LICA-2020)” during 13-17 October, 2020 at Department of Marine Science, Bharathidasan University, Tiruchirappalli-24, Tamil Nadu.
8. Organised the National Level Virtual Lecture Workshop on “Sustainable Aquaculture Technologies (SAT-2021) during 09-14 August 2021 at Department of Marine Science, Bharathidasan University, Tiruchirappalli-24, Tamil Nadu, sponsored by RUSA (MHRD), Govt. of India, New Delhi.

Events Participated: 161

Conferences/Seminars/Symposiums Participated: 59

- 1 International Conference on “Natural Resource Management & Conservation”, Kerala University, Trivandrum (India), 19-21, November, 1998.
- 2 National Symposium on “Recent Trends in Marine Algal Research in India”, CAS in Marine Biology, Annamalai University, Parangipettai (India), 27-29, December, 1999.

- 3 Fifth Indian Fisheries Forum, Central Institute of Freshwater Aquaculture, Kausalyaganga, Bhubaneswar, Orissa, (India), 17-20, January, 2000.
- 4 National Symposium on Algae and Environment, Dept. of Environmental Sciences, University of Kerala, Thiruvananthapuram, 13-15, February, 2003.
- 5 Regional Seminar on “Recent Trends in Marine Biodiversity Research in India”, CAS in Marine Biology, Parangipettai, 10-11th March, 2003.
- 6 Third Indian Fisheries Science Congress, organised by Indian Society of Fisheries Professionals, Mumbai held at Pusa, New Delhi, 4-6, November, 2004.
- 7 UGC-National Seminar on Biovision-2005, Dept. of Zoology, Annamalai University, Annamalai Nagar, 21 & 22 January, 2005.
- 8 National symposium on Marine Plants, Their Chemistry and Utilization, Suganthi Devadason Marine Research Institute, Tuticorin, 23-25, June, 2005.
- 9 National conference on Bioprospecting of Marine Resources with special reference to Marine Natural Products and Drug Discovery at Department of Oceanography & Coastal Area Studies, Alagappa University, Thondi Campus, Thondi, Ramanathapuram Dt., during 26-26, April, 2007.
- 10 National Symposium on Marine and Coastal Ecosystems at the Centre for Marine and Coastal Studies, School of Energy, Environment and Natural Resources, Madurai Kamaraj University, Madurai-625 021 during 27-29, August, 2007.
- 11 National Conference on Coral Reef Ecosystem at Fisheries College and Research Institute, Tamil Nadu Veterinary and Animal Sciences University, Thoothukudi-620 008, during 18-19, September, 2008.
- 12 Aquasem’09 at Cochin University of Science and Technology, Cochin, during 26-28th March, 2009.
- 13 International symposium on Marine Biotechnology, Biovision 2009 at Sahridaya College of Engineering and Technology, Thrissur, Kerala, held on 1-3, November, 2009.
- 14 National Seminar on “Wealth from Livestock and Agriculture Waste” at Veterinary College and Research Institute, Tamil Nadu Veterinary and Animal Sciences University, Namakkal during 12-13, November, 2009.
- 15 97th Indian Science Congress held at Kerala University, Thiruvananthapuram during 3-7, January 2010.
- 16 National Conference on Nanotechnology: Current Approaches and Applications at Sri Paramakalyani Centre for Environmental Sciences, Manonmaniam Sundaranar University, Alwarkurichi during 5-6, February, 2010.
- 17 National Symposium on Climate Change and Marine Biodiversity (CCMB-2010) at Faculty of Marine Sciences, C.A.S in Marine Biology, Annamalai University, Parangipettai on 26, February, 2010.

- 18 International Conference on Eliminating Hunger and Poverty, at M. S. Swaminathan Research Foundation, Chennai, during 7-9, August, 2010.
- 19 Second National Conference on Bio-prospecting of natural products and drug discovery, Department of Oceanography and Coastal Area Studies, Alagappa University, Thondi Campus, Thondi, during 24-26, August, 2010.
- 20 International Conference on Aquatic Microbiology (Status, Challenges and Opportunities), C.A.S. in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502, during 2-4, September, 2010.
- 21 National Symposium on Marine Plants at C. A. S. in Marine Biology, Annamalai University, Parangipettai-608 502, during 23-25, September, 2010.
- 22 National Seminar on Recent Trends in Microbial Technology with reference to Extremophiles at Department of Microbiology, Periyar University, Salem-636 011 during 21-22, October, 2010.
- 23 National Seminar on Emerging Trends in Biotechnological Approaches for Infectious Disease Management at Department of Biotechnology, Periyar University, Salem-636 011 during 29, November, 2010.
- 24 National Seminar on Biodiversity Conservation and Management of Aquatic resources (NSBCMA'2010) organized by Directorate of Research and Extension (Fisheries), Fisheries College and Research Institute, Tamil Nadu Veterinary and Animal Sciences University during 09-10th December, 2010.
- 25 First Indian Biodiversity Congress (IBC 2010) organized by University of Kerala, Thiruvananthapuram, Kerala, during 27-31, December, 2010.
- 26 98th Indian Science Congress organized by SRM University, SRM Nagar, Kattankulathur, during 3-7, January, 2011.
- 27 National Seminar on Emerging Trends and Challenges in Aquatic Biotechnology at P.G. and Research Department of Zoology, Khadir Mohideen College, Adirampattinam, Tamil Nadu during 12-13, February, 2011.
- 28 Seminar on "Role of MPEDA in Diversified Aquaculture in Tamil Nadu organized by Centre for Social Exclusion and Inclusive Policy, Bharathidasan University, Trichy and The Marine Products Export Development Authority, Thanjavur on 29th March, 2011.
- 29 National Seminar on "Challenges in Animal Biotechnology and Environmental Management Research" organized by Department of Animal Science, Bharathidasan University, Tiruchirappalli during 23rd June, 2011.
- 30 11th Tamil Science Symposium organized by at Gandhigram Rural University, Gandhigramam-624 302, Dindigul Dt, Tamil Nadu during 26-27, June, 2011.
- 31 National Conference on Aquatic Bio-Toxin organized by C.A.S. in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502 during 14-16, September, 2011.

- 32 International Symposium on Environmental Risk Assessment 2011 (ISERA 2011) organized by Unit of Toxicology, Department of Zoology, School of Life Sciences, Bharathiar University, Coimbatore-641 046 during 17-19, October, 2011.
- 33 National Conference on Biotechnological Approaches in Aquaculture (LIVE AQUA 2012) organized by Unit of Aquatic Biotechnology and Live feed Culture, Department of Zoology, School of Life Sciences, Bharathiar University, Coimbatore-641 046 during 1-3, February, 2012.
- 34 National Conference on Marine Environmental Challenges and Coastal Zone Management Strategy-Marina'12) organized by the Department of Marine Science, Bharathidasan University, Tiruchirappalli-24, during 13-14, February, 2012.
- 35 Participated 12th Tamil Science Congress organized by Periyar University and Sudhesi Iyikkam during 23-25, August, 2012 at Periyar University, Salem.
- 36 National Symposium on Current Trends in Marine Plants Research and Utilization, organized by Perunthalaivar Kamarajar Arts College, Puducherry-605 107 and Seaweed Research and Utilization Association, Tuticorin, Tamil Nadu, India, during 26-28, October, 2012.
- 37 Participated 100th Indian Science Congress organized by Calcutta University and Indian Science Congress Association, Kolkata during 3-7, January, 2013.
- 38 Participated National Seminar on Aquatic Toxicology, Biodiversity and Aquaculture organized by Department of Zoology & Aquaculture, Acharya Nagarjuna University, Nagarjuna Nagar-522 510, Andhra Pradesh and Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha during 15-17, November, 2013.
- 39 Participated in 3rd International Congress on Global Warming on Biodiversity of Insects: Management and Conservation Strategies" organized by Department of Zoology, Bharathiar University, Coimbatore-46, on 27th November, 2013.
- 40 Participated 11th IAAM National Conference on "Recent Development in Microbiology, Biochemistry & Biotechnology" organized by PSG College of Arts & Science, Coimbatore-14 on 29-30, November 2013.
- 41 Participated in National Conference on Innovations, Implementations and Controversies of Animal Biotechnology (NCIICAB-2014) organized by Department of Animal Science, Bharathidasan University, Tiruchirappalli-24 on 20-21, March, 2014.
- 42 Participated in Regional Seminar on "Current Status and Future Prospect of Coastal and Marine Biodiversity in Gulf of Mannar" organized by Gulf of Mannar Biosphere Reserve Trust, Ramanathapuram, Tamil Nadu, on 23rd January, 2015 at Hotel Daiwik, Rameswaram, Tamil Nadu, India.
- 43 Participated in International conference on Mangroves and Climate Change" organized by School of Earth and Atmospheric Sciences, University of Madras, on 16-18, July, 2015.
- 44 Participated in National Symposium on Current Advances in Immunology Research organized by C.A.S. in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502 on 07-08, August, 2015.

- 45 Participated in CME National Seminar on Advances in Basic and Clinical Immunology organized by Department of Zoology, Bharathiar University, Coimbatore-641 046, Tamil Nadu, during 15-16, September, 2015.
- 46 Participated in International Conference on Ocean Acidification Research (ICOAR 2015) held on 15-17, December, 2015 at Department of Marine and Coastal Studies, Madurai Kamaraj University, Madurai-21, Tamil Nadu.
- 47 Participated the UGC and DBT sponsored National Seminar cum Workshop on “Microbial Omics: From Genome to Proteome” held on 24-26, February, 2016 at Department of Biotechnology, Alagappa University, Karaikudi-4, Tamil Nadu.
- 48 Participated in the National Conference on Immune Response of Marine Fishes with Respect to Heavy Metal Pollution organized by Centre of Advanced Study in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502, Tamil Nadu, held on 5-6, August, 2016.
- 49 Participated in the National Seminar on Immunodiagnosis-System and Methods in Aquaculture” organized by Centre of Advanced Study in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502, Tamil Nadu on 07-08, October, 2016.
- 50 Participated in the International Seminar on “Biology for Sustainable Environment” organized by Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli, Tamil Nadu, on 07-08, March, 2017.
- 51 Participated in the National Seminar on “Advances in Animal Science for Sustainable Development (AASSD-2018) organized by P.G. and Research Department of Zoology, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, on 15th February, 2018.
- 52 Participated in the National Conference on “Biology and Medicine (NCBM’19)” organized by Department of Zoology and Department of Human Genetics & Molecular Biology, Bharathiar University, Coimbatore-46, held during 07-08, February, 2019.
- 53 Participated in the International Virtual Conference on MICROPLASTICS 2020 organized by Centre for Nanobiotechnology (CNBT), Vellore Institute of Technology, Vellore, India, held on 30th June 2020.
- 54 Participated in the National Webinar on “Marine Ornamental Aquaculture: Challenges and Opportunities in India” organized jointly by Sathyabama Institute of Science and Technology, Chennai and Cochin University of Science and Technology, Kochi held during 10-13 July 2020.
- 55 Participated in the International Webinar on “Applications of Algae” organized by the Department of Microbiology, K. R. College of Arts & Science, Kovilpatti on 18th July 2020.
- 56 Participated in the National Level “Industry-Academia Conclave 2020 on Aquaculture: Avenues, Opportunities and Challenges” organized by the PG & Research Department of Advanced Zoology and Biotechnology, Guru Nanak College, Chennai-600 042, Tamil Nadu, held during 27-31st July 2020.

- 57 Participated in the Faculty Development Programme on “Insights into Marine Biodiversity and Taxonomy”, organized by the Centre for Climate Change Studies, Sathyabama Institute of Science and Technology, Chennai during 10-14th August 2020.
- 58 Participated in the Webinar on “Biodiversity and Bio-Prospecting of Mushroom” organized by C.A.S. in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai on 18th August 2020.
- 59 Participated in the National Webinar on “Role of Taxonomy in Faunal Diversity and Conservation” organized by PG & Research Department of Zoology, Govt. Arts College (Autonomous), Kumbakonam on 10th October 2020.

Workshops Participated: 13

- 1 Participated in the Group Monitoring Workshop under the Fast Track Scheme (Life Sciences) of Department of Science & Technology held at Institute of Life Sciences, University of Hyderabad campus, Hyderabad during 10-12, February, 2011.
- 2 Participated Workshop on “Demonstration of Asian Seabass (*Lates calcarifer*) farming in pond system” organized by Central Institute of Brackishwater Aquaculture, Chennai-600 028 on 23rd February, 2013.
- 3 Participated in National Workshop on “Recent Advances in Aquatic Research” organized by PG & Research Department of Zoology, Kongunadu Arts & Science College and Dr. M. Aruchamy Research Foundation, Coimbatore-29 on 12th December, 2013.
- 4 Participated in Workshop on Seabass Culture in Freshwater Habitat “An Innovative Approach” organized by PG & Research Department of Zoology, Govt. Arts College (Autonomous) Kumbakonam-1 on 6-8, March, 2014.
- 5 Participated in Brainstorming Workshop on “Interventions for the sustainable management of the Palk Bay” organized by GIZ & Ministry of Environment and Forest, Govt. of India, on 25th September, 2014 at Hotel Daiwik, Rameswaram, Tamil Nadu, India.
- 6 Participated in the National Workshop on “Sustainable Aquaculture Production Systems (RAS, IMTA, ZWEAPS)-Towards Nutritional Security and Conservation of Oceans for Posterity” as a part of Indo-US 21st Century Knowledge Initiative, 2015, University Grants Commission, Govt. of India, held on 22-24, July, 2016 at National Centre for Aquatic Animal Health, Cochin University of Science and Technology, Kochi, Kerala.
- 7 Participated in the National workshop on “Mud banks of Kerala: Status, issues and societal concerns” organized by CSIR-National Institute of Oceanography, Regional Centre, Kochi-682018, Kerala on 07-08 October 2016 on 10-11, February, 2017.
- 8 Participated in one day National Workshop on “Utilizing Internet Resources in Class Room Instruction (UIRCI-2018) organized by the Department of Education, CDE, Bharathidasan University, Tiruchirappalli, Tamil Nadu, on 12th January, 2018.
- 9 Participated in the Science Academies Lecture Workshop on “Conservation and Protection of Bioresources” organized by Department of Botany, Bharathidasan University, Tiruchirappalli, Tamil Nadu. On 24-25, January, 2018.

- 10 Participated Science Academies' Lecture Workshop on "Current Scenario in Microbiology and Biotechnology" held during 17-18, July, 2018, Department of Microbiology, Bharathidasan University, Tiruchirappalli-620 024.
- 11 Participated Faculty Development programme organized by Human Resource Development Centre and Internal Quality Assurance Cell, Bharathidasan University, Tiruchirappalli-24 on 28th November, 2018.
- 12 Participated DST PURSE sponsored Workshop on "Cryosectioning of Tissues from Sentinel Marine Organisms" at C.A.S. in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502 on 27th December, 2018.
- 13 Participated DST PURSE sponsored Workshop on "Marine Biotoxins and Their Consequence in Shell Fishes" held at C.A.S. in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502 on 28th December, 2018.

Academic/Scientific Meetings Participated: 12

1. Participated the meeting and Boat Rally in connection with the National Biodiversity Strategy and Action Plan (NBSAP) conducted by MoEF & CC, Govt. of India and CAS in Marine Biology, Annamalai University on 31st August, 2001 at Parangipettai.
2. Chennai Aquaculture Technology Meet organized by Fisheries Research and Extension Centre, Directorate of Centre for Animal Health Studies, Tamil Nadu Veterinary and Animal Sciences University, Chennai-51 during 16-17, November, 2011.
3. Invited as Subject Expert and participated in the Interactive meeting on Fishery Resources, conducted by M. S. Swaminathan Research Foundation, Field Center, Chidambaram, on 7th September, 2001.
4. Participated and presented the Academic and Research curricular of Marine Science Department in the Expert Consultation on Academic Partnership for Excellence and Networks in Fisheries Education and Research held at Central Institute of Fisheries Education, Versova, Mumbai, during 17-18, April, 2012.
5. Participated "National Consultation on Coastal and Marine Biodiversity for livelihood" organized by M. S. Swaminathan Research Foundation and IUCN during 16-17, August, 2012 at Chennai.
6. Participated "Brain Storming Session (BSS) and Working Group Meeting on Management of RO rejects of Leather and Textile Industries and its related issues" held on 9-10, March, 2013 organized by Department of Science and Technology (DST), Govt. of India at Centre for Biotechnology, Anna University, Chennai-25.
7. Participated as Resource Person and made presentation on "The Scientific Community Perception on PFZ" in the panel discussion in the State Level Stakeholder Meeting on Sustainable Fisheries and New Technologies held at M. S. Swaminathan Research Foundation, Chennai-113 on 28th February, 2014.
8. Participated in International Meet on Aquaculture Chennai-2014: Sustainable Shrimp Farming-Way Forward (ACCI'14) organized by Tamil Nadu Fisheries University during 13-14, June 2014 at Chennai.

9. Participated in the Stakeholders meeting and presented the proposal on “Assessment on diversity and abundance of plankton in the Mandapam Group of Islands, Gulf of Mannar Marine Biosphere Reserve, India, with special emphasis on primary and secondary productivity” organized by Gulf of Mannar Biosphere Reserve Trust, Govt. of Tamil Nadu, Ramanathapuram, on 12th January, 2018.
10. Invited as Subject Expert and presented the project proposal on “High Density Culture of Marine Copepods for the Broodstock Supply and Technology Demonstration” in DBT sponsored Brainstorming Session on “Nutrition and Live Feed for Aquaculture Species” held on 21-22, February, 2018 at Fakir Mohan University, Balasore, Odisha.
11. Invited as Scientific Advisory Committee Member and Subject Expert and participated in Harvest Function of Asian Seabass held at Rajiv Gandhi Centre for Aquaculture, Aquaculture Demonstration Farm, Karaikal, Union Territory of Puducherry-609 604 on 18th May, 2018.
12. Invited as Scientific Advisory Committee Member and Subject Expert and participated in 33rd Scientific Advisory Committee meeting (1st meeting of the reconstituted SAC) of RGCA held at Rajiv Gandhi Centre for Aquaculture, Head Quarters, Karaiedu village, Sattanathapuram, Sirkazhi, Tamil Nadu on 9th November, 2018.

Extension/Outreach Activities Participated: 27

1. Delivered the lecture and provided on-board training on “Hygienic handling of marine organisms” to the fishermen’s of Muthukuda village, Pudukottai district of Tamil Nadu organized jointly by M.S. Swaminathan Research Foundation and National Fisheries Development Board, Ministry of Agriculture on 17th November, 2010.
2. Delivered the lecture and hands on training on “Fish Value Added Products” to the Fisher Women’s of Manamelkudi village, Pudukkottai district of Tamil Nadu on 2nd January, 2011.
3. Delivered the key note lecture on “Conservation of Coastal and Marine Biodiversity” in commemoration of International Day for Biological Diversity on 22nd May, 2011 at Pak Bay Centre of OMCAR (Organization for Marine Conservation, Awareness and Research) to the Fisher folks of Velivayal village, Pudukkottai district, Tamil Nadu.
4. Delivered the lecture and provided onboard training on “Hygienic handling of marine Fishes” to the Fisher folks of Sethubavachatram village, Thanjavur District of Tamil Nadu organized jointly by M.S. Swaminathan Research Foundation and National Fisheries Development Board, Ministry of Agriculture on 22nd July, 2011.
5. Career Guidance Programme for 10th and 12th standard students on “Opportunities in Fisheries and Marine Science” organized by M.S. Swaminathan Research Foundation, Annavasal Regional Centre, Pudukkottai on 22nd August, 2011.
6. Career Guidance Programme for 10th and 12th standard students on “Opportunities in Fisheries and Marine Science” organized by M.S. Swaminathan Research Foundation, Thangatchimadam Regional Centre, Ramanathapuram on 24th August, 2011.
7. Interview with Fisher folks of Tamil Nadu and Puducherry coastal districts by Fisheries Help Line through Phone in programme on “Marine Biodiversity Conservation and Sustainable Fishing” on 12th September, 2011 organized by MSSRF, Chennai.

8. Career Guidance Programme for 12th students on “Opportunities in Fisheries and Marine Science” organized by M.S. Swaminathan Research Foundation, Thangatchimadam Regional Centre, Ramanathapuram on 9th May, 2012.
9. Career Guidance Programme for 12th students on “Opportunities in Fisheries and Marine Science” organized by M.S. Swaminathan Research Foundation, Nagappattinam Regional Centre, Nagappattinam on 21st May, 2012.
10. Participated as Resource Person for the live cable TV based phone in programme on “Hygienic Handling of Fish/Fish Quality Management and Marine Conservation” on 25th November 2012 on KTN TV-Local Channel, Nagappattinam, Tamil Nadu organized by Reliance Foundation, Mumbai.
11. Participated as Resource person for the live cable TV based phone in programme on “Marine Biodiversity Conservation and Sustainable Fishing” on 22nd December 2012 on Diamond TV-Local Channel, Karaikkal, Puducherry organized by Reliance Foundation, Mumbai.
12. Participate as Resource Person for Career Guidance Programme for Fisherfolks of Tamil Nadu on “Marine Biodiversity Conservation and Sustainable Fishing” organized by MSSRF, Nagappattinam Regional Centre, Nagappattinam, on 23rd December, 2012.
13. Delivered the lecture and provided onboard training on “Hygienic handling of marine Fishes” to the Fisher folks of R. Pudupattinam village, Pudukottai District of Tamil Nadu organized jointly by M.S. Swaminathan Research Foundation and National Fisheries Development Board, Ministry of Agriculture on 24th February, 2013.
14. Invited as Fisheries and Marine Science Expert and interacted with Prof. M. S. Swaminathan, Chairmen, M. S. Swaminathan Research Foundation on “Marine Biodiversity Conservation and Sustainable Fishing” at Village Resource Centre, MSSRF, Pudukkottai on 22nd April, 2013.
15. Invited as Resource Person for the live cable TV based career guidance programme for +2 students on “Fisheries and Marine Sciences courses and their opportunities” on 26th May, 2013 on KTN TV-Local Channel, Nagappattinam, Tamil Nadu organized by Reliance Foundation, Mumbai.
16. Invited as Resource Person for the live cable TV based career guidance programme for +2 students on “Fisheries and Marine Sciences courses and their opportunities” on 26th May, 2013 on Diamond TV-Local Channel, Karaikkal, Puducherry organized by Reliance Foundation, Mumbai.
17. Participated as Resource Person for Career Guidance Phone in Programme for +2 students of Nagappattinam coastal districts on “Fisheries and Marine Sciences courses and their opportunities” on 1st June, 2013 organized by Reliance Foundation, Mumbai.
18. Participated as Resource Person for Career Guidance Phone in Programme for +2 students of Nagappattinam coastal districts on “Fisheries and Marine Sciences courses and their opportunities” on 5th June, 2013 organized by M. S. Swaminathan Research Foundation, Nagappattinam Village Resource Centre.

19. Participated as Resource Person for Phone in Programme on “Hygienic handling of marine fishes” for Fisherfolks of Nagappattinam district, Tamil Nadu, on 8th June, 2013 organized by Reliance Foundation, Mumbai.
20. Served as Resource Person and Member of Jury Board in assessing the projects of “Veettukku Oru Vingnani 2013” programme organized by Puthiya Thalaimurai TV Channel on 30th July, 2013 at Tiruchirappalli.
21. Attended the Academic and Administrative Auditing in Department of Zoology, Govt. College for Women (Autonomous), Kumbakonam-612 001 on 6th August, 2013.
22. Participated as Resource Person for Phone in Programme on “Marine Biodiversity Conservation” on 28th September, 2013 organized by M. S. Swaminathan Research Foundation, Karaikal Village Resource Centre.
23. Participated as Resource Person for Phone in Programme on “Marine Conservation” on 15th December, 2013 organized by M. S. Swaminathan Research Foundation, Nagappattinam Village Resource Centre.
24. Participated as Resource Person and provided onboard training on “Hygienic handling of marine Fishes” to the Fisher folks of Sethubavachatram village, Pudukottai District of Tamil Nadu organized jointly by M.S. Swaminathan Research Foundation and National Fisheries Development Board, Ministry of Agriculture on 25th December, 2013.
25. Participated as Fisheries Expert in the State Level Stakeholder Meeting on “Sustainable Fisheries and New Technologies” and made presentation in the panel discussion on the “Scientific Community Perception on PFZ” organized by M S Swaminathan Research Foundation, Taramani, Chennai on 28th February, 2014.
26. Participated as Resource Person and provided guidelines on “Marine Biodiversity Conservation and Sustainable Fishing” in Partners Meet organized by Reliance Foundation on 21st August, 2014 held at Ethnoveterinary Herbal Training and Research Unit, Veterinary University Training and Research Centre, Thanjavur-Trichy National Highway, Pillayarpaty, Vallam post, Thanjavur-613 403.
27. Participated as Resource Person and delivered the talk on “Life in the Ocean” in the World Ocean Day Celebration on 8th June, 2018 held at Govt. Middle School, Chinna Suriyur, Tiruchirappalli-24.

Scientific Sessions Chaired: 16

1. Chaired the scientific technical session in 2nd National Conference on Bio-prospecting of natural products and drug discovery organized by the Department of Oceanography and Coastal Area Studies, Alagappa University, Thondi Campus, Thondi, during 24-26, August, 2010.
2. Chaired the scientific technical session in International Conference on Aquatic Microbiology (Status, Challenges and Opportunities) organized by C.A.S. in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502, during 2-4, September, 2010.

3. Served as a Judge for evaluation of poster presentation in the National Seminar on Emerging Trends in Biotechnological Approaches for Infectious Disease Management organized by the Department of Biotechnology, Periyar University, Salem-636 011 on 29th November, 2010.
4. Chaired the scientific technical session in the International Symposium on Environmental Risk Assessment 2011 (ISERA 2011) organized by Unit of Toxicology, Department of Zoology, School of Life Sciences, Bharathiar University, Coimbatore-641 046 during 17-19, October, 2011.
5. National Conference on Marine Environmental Challenges and Coastal Zone Management Strategies (MARINA-2012) organized by the Department of Marine Science, Bharathidasan University, Tiruchirappalli-24 during 18-19, February, 2012.
6. Chaired the scientific session on Biology and Biotechnology in 12th Tamil Science Congress organized by Periyar University and Sudhesi Iyikkam during 23-25, August, 2012 at Periyar University, Salem.
7. Served as Judge in the National Conference on “Evolutionary Trends in Biological and Pharmacological Chemistry (NCETBP-2014)” organized by the Department of Chemistry, Holy Cross College, Tiruchirappalli in collaboration with the Department of Animal Science, Bharathidasan University, Tiruchirappalli-24 on 31st January, 2014.
8. Chaired the Scientific Session in National Conference on Innovations, Implementations and Controversies of Animal Biotechnology (NCICAB-2014) organized by Department of Animal Science, Bharathidasan University, Tiruchirappalli-24 on 21st March, 2014.
9. Co-chaired the Scientific Session in National Conference on Perspectives and Prospects in Aquatic Research” organized by PG and Research Department of Zoology, Kongunadu Arts and Science College, Coimbatore on 16th February, 2016.
10. Chaired the Scientific Session on “Green Synthesized Nanoparticles Biomedical Applications” in National Conference on Emerging Trends in Plant Science (ETPS-2016) organized by Department of Plant Science, Bharathidasan University, Tiruchirappalli-24 on 11th March, 2016.
11. Chaired the Scientific Session on “Marine Biology & Fish Immunology” in National Conference on Immune Response of Marine Fishes with Respect to Heavy Metal Pollution organized by Centre of Advanced Study in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502, Tamil Nadu, held on 5-6, August, 2016.
12. Chaired the Scientific Session on “Bioenergy” in International Conference on “Microalgal and Cyanobacterial Biotechnology” organized by Department of Marine Biotechnology, National Facility for Marine Cyanobacteria, Bharathidasan University, Tiruchirappalli-24, Tamil Nadu, on 30th August, 2016
13. Chaired the Scientific Session on “Microbiology & Environmental Biotechnology” in International Conference on “Environment and Health in Changing Climate” organized by Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli-24, Tamil Nadu, on 14th September, 2016.

14. Chaired the scientific session in “International Conference on “Biotechnology and its role in Aquaculture and Fisheries” organized by Centre of Advanced Study in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502, Tamil Nadu on 23-25, August, 2017.
15. Chaired the scientific technical session on “Biodiversity, Fisheries and Aquaculture” in the National Conference on “Biology and Medicine (NCBM’19)” organized by Department of Zoology and Department of Human Genetics & Molecular Biology, Bharathiar University, Coimbatore-46, on 08th February, 2019.
16. Served as Jury for the BDU-AIU Students Research Convention-2019 held on 22nd January, 2019 at Bharathidasan University, Tiruchirappalli.

Conferences/Seminars/Workshops/Trainings Associated: 20

1. Training programme on Identification of Flora and Fauna in mangrove ecosystems, CAS in Marine Biology, Annamalai University, Parangipettai, Tamil Nadu, (India), 16-25, August, 2001.
2. UNU- UNESCO International training course on Coastal Mangrove Biodiversity, CAS in Marine Biology, Annamalai University, Parangipettai, Tamil Nadu, (India), 5-19, March, 2001.
3. UNU-UNESCO International training course on Coastal Mangrove Biodiversity, CAS in Marine Biology, Annamalai University, Parangipettai, Tamil Nadu, (India), 10-24th March, 2003.
4. Campus Festival on National Education Day, Department of Marine Science, Bharathidasan University, Tiruchirappalli-24 on 11th November, 2008.
5. Brainstorming Session on Nanogeoscience, Department of Marine Science, Bharathidasan University, Tiruchirappalli-24 during 20-21 August, 2009.
6. National Conference on Exploration of Bioactive Compounds from Marine Resources, Department of Marine Science, Bharathidasan University, Tiruchirappalli-24 during 10-11 February, 2011.
7. National Conference on Coastal Typology, Department of Marine Science, Bharathidasan University, Tiruchirappalli-24 during 15-17 March, 2011.
8. World Ocean Day-Fine Arts Competition, Department of Marine Science, Bharathidasan University, Tiruchirappalli-24 on 29th July, 2011.
9. National level Training cum Workshop on Analytical Techniques of AAS and GC (WATA-AG), Department of Marine Science, Bharathidasan University, Tiruchirappalli-620 024 during 23-24, January, 2012.
10. National Conference on Marine Environmental Challenges and Coastal Zone Management Strategies (MARINA-2012), Department of Marine Science, Bharathidasan University, Tiruchirappalli-24 during 18-19, February, 2012.

11. International Conference on Environmental Security for Food and Health (ICESFH-2012), organized by The MDT Hindu College, Tirunelveli, K.K. Trust Chidambaram and EPS Global Medical Development Inc., Canada, at Kanyakumari during 16-18, February, 2012.
12. National Training cum Workshop on DNA Barcoding of Fish and Marine Life-Molecular Analysis & Bioinformatics Approaches (FISHCODE-2012) organized by the Department of Marine Science, Bharathidasan University, Tiruchirappalli-24 during 12-14, September, 2012.
13. National Workshop cum Training on “Toxic Heavy Metals in Environmental and Seafood Samples using AAS” (THEMES-2016) organized by the Department of Marine Science, Bharathidasan University, Tiruchirappalli-24 during 03-05, February, 2016.
14. National workshop on “Climate Change Impact on the Marine Environment (CCIME-2017)” Department of Marine Science, Bharathidasan University, Tiruchirappalli-24 during 2-3, February, 2017.
15. Served as a Co-Coordinator for the BDU-AIU Students Research Convention-2019 held on 22nd January, 2019 at Bharathidasan University, Tiruchirappalli-24.
16. Served as Co-Organizer for National Webinar on “Avenues in Ocean Research” jointly organized by BECH-RUSA 2.0 & Department of Marine Science, Bharathidasan University, Tiruchirappalli-24 during 27-29 May, 2020.
17. Served as Co-Organizer for Webinar on Commemoration of the World Oceans Day” on 8th June 2020 at Department of Marine Science, Bharathidasan University, Tiruchirappalli-24, Tamil Nadu.
18. Served as Co-Organizer for International Virtual Lecture Workshop on “Challenges & Issues in Coastal Ocean Research (CICOR-2021)” sponsored by MHRD-RUSA, Govt. of India, organized by Department of Marine Science, Bharathidasan University, Tiruchirappalli-24 during 20-22 September, 2021.
19. Served as Co-Organizer for National Virtual Conference on “Marine Bioprospecting and its Role in Challengeable Diseases-21(MBC-D2021) sponsored by MHRD-RUSA, Govt. of India, organized by Department of Marine Science, Bharathidasan University, Tiruchirappalli-24 during 11 & 12 October, 2021.
20. Served as Co-Organizer for National webinar on “Indian Ocean Paleoceanography: Late Glacial-Holocene Period (IOPALEO-21) sponsored by DST-PURSE, Govt. of India, organized by Department of Marine Science, Bharathidasan University, Tiruchirappalli-24 during 29 & 30 December, 2021.

Other Training Programmes Participated: 14

1. Training Programme on “Freshwater Prawn Breeding and Culture” at M.S. Swaminathan Research Foundation, Chennai during 6-7, March, 2001.
2. Summer School on “Advances in Fish and Crustacean Nutrition and Aquafeed Biotechnology”, CMFRI, Kochi, Kerala during 06-26, June, 2001.

3. Training programme on “Seabass (*Lates calcarifer*) seed production and culture” conducted at Central Institute of Brackishwater Aquaculture (ICAR), Chennai during 28th July to 6th August, 2004.
4. Attended UGC sponsored Orientation Course from 02-29, May, 2007 and obtained the ‘A’ grade at UGC- Academic Staff College, Bharathidasan University, Tiruchirappalli-620 024, Tamil Nadu.
5. Participated and successfully completed the “Multi-Disciplinary Oceanographic Cruise” in the Bay of Bengal onboard ORV Sagar Kanya (cruise 224) during 25th November-14th December, 2007.
6. Participated and successfully completed the Winter School on “Seed Production and Culture of Brackishwater Finfishes with special reference to Asian Seabass, *Lates calcarifer*” at ICAR- Central Institute of Brackishwater Aquaculture, Chennai-600 028, held during 20th January to 9th February, 2009.
7. Participated the Second Regional International Training Course on “Applying Project Cycle Management to support Integrated Coastal Management” organized by Mangroves for the Future and Bay of Bengal Large Marine Ecosystems collaborated with Ministry of Environment and Forest, Govt. of India and M.S. Swaminathan Research Foundation at Chennai during 04-10 October, 2010.
8. Participated National Training cum Workshop on “Analytical and Technical Advancement in AAS and GC (WATA-AG)” organized by the Department of Marine Science, Bharathidasan University, Tiruchirappalli-24, during 24-25 January, 2012.
9. Attended UGC sponsored Refresher Course in Life Sciences (Multidisciplinary) from 11.09.2012 to 01.10.2012 and obtained ‘A’ grade at UGC- Academic Staff College, Bharathiar University, Coimbatore-641 046, Tamil Nadu.
10. Participated the NFDB sponsored training programme on “Management of emerging diseases of shrimp with special reference to Pacific white shrimp, *Litopenaeus vannamei*” organized by Central Institute of Brackishwater Aquaculture, ICAR, Chennai from 10-14, December 2012.
11. Attended UGC sponsored Refresher Course in Life Sciences (Interdisciplinary) from 18.07.2014 to 07.08.2014 and obtained ‘A’ grade at UGC- Academic Staff College, Bharathidasan University, Tiruchirappalli-620 024, Tamil Nadu.
12. Participated in MHRD sponsored Training Programme on “Microalgae Culture for Large Scale Production” held on 4th March 2016 at C.A.S. in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502, Tamil Nadu.
13. Participated in MHRD sponsored Training Programme on “Shrimp Culture Techniques” held on 22nd March, 2016 at C.A.S. in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502, Tamil Nadu.
14. Attended the Science Academies’ Refresher Course on “Plant Taxonomy” held during 12-26, December, 2018 at The Gandhigram Rural Institute, Gandhigram, Dindigul, Tamil Nadu.

Overseas Exposure/Visits

State of Eritrea, Dubai, Yemen

Membership in

Professional Bodies

1. Indian Science Congress Association (ISCA).
2. Marine Biological Association of India (MBAI).
3. World Association of Copepodologists (WAC).
4. The International Society of Zoological Sciences (ISZS).

Editorial Board

1. Indian Journal of Natural Sciences
2. Journal of Environment and Current Life Science
3. International Journal of Marine Bio-Sciences
4. Austin Journal of Aquaculture & Marine Biology

Advisory Board

1. **Member-Scientific Advisory Committee**, Rajiv Gandhi Centre for Aquaculture, Marine Products Export Development Authority, Ministry of Commerce and Industry, Govt. of India.
2. **Honorary Advisor** for Fisheries and Aquaculture in M. S. Swaminathan Research Foundation, Chennai, India.
3. **Honorary Advisor** for Fisheries and Aquaculture in Reliance Foundation, Mumbai, India.

Academic Bodies (such as Board of Studies etc.)

1. **Member**-Board of Studies in Marine Science of Bharathidasan University, Tiruchirappali-24.
2. **Member**-Board of Studies in Zoology, Jamal Mohamed College, Tiruchirappali-20.
3. **Member**- Board of Studies in Zoology, AVVM Sri Pushpam College, Thanjavur-03.
4. **Member**- Board of Studies in Zoology, Vivekanantha College, Madurai-625 234.
5. **Member**-Academic Council, A.D.M. College for Womens, Nagappattinam, Tamil Nadu.
6. **Member (DBT Nominee)**, Institutional Biosafety Committee, C. Abdul Hakeem College, Melvisharam, Ranipet District, Tamil Nadu.
7. **Chairman**-Board of Question Paper Setters (Marine Biology & Oceanography), Annamalai University.
8. **Member**-Board of PG and Ph.D., Examinations in Adikavi Nannaya University, Alagappa University, Andhra University, Anna University, Annamalai University, Bharathidasan University, Bharathiar University, G.B. Pant Agricultural University, Goa University, Mahatma Gandhi University, Manonmaniam Sundaranar University, Periyar University, Tamil Nadu Dr. J. Jayalalitha Fisheries University.

Others

1. **Vice Chancellor Nominee** for the selection of Assistant Professor in Education, AVVM Sri Pushpam College, Poondi, Thanjavur Dt., Tamil Nadu.
2. **Reviewer** for Major Research Project Proposal submitted to DBT, Govt. of India, New Delhi.
3. **Reviewer** for Back to Lab, Women Scientist Programme Proposal submitted to Kerala State Council for Science Technology & Environment, Thiruvananthapuram, Kerala, India.
4. **Reviewer** for Elsevier, Springer, Taylor & Francis, Blackwell, CSIR Group of Journals.
5. **Selection Committee Member** for selection of SRF for Indian Council of Medical Research funded research project at Department of Coastal Area Studies and Oceanography, Alagappa University, Thondi Campus, Thondi-623 409, Tamil Nadu.
6. **Selection Committee Member** for selection of Junior Research Fellow for UGC and DRDO funded research project at Department of Biotechnology, Periyar University, Salem-636 011, Tamil Nadu.
7. **Selection Committee Member** for selection of Junior Research Fellow for DST funded research project at Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli-24, Tamil Nadu.
8. **Selection Committee Member** for selection of Junior Research Fellow for UGC funded research project at Department of Marine Biotechnology, Bharathidasan University, Tiruchirappalli-24, Tamil Nadu.
9. **Selection Committee Member** for selection of Junior Research Fellow for UGC funded research project at PG & Research Department of Zoology, Periyar E.V.R. College, Tiruchirappalli-23, Tamil Nadu.
10. **Doctoral Committee Member** for Marine Science, Marine Biotechnology, Animal Biotechnology, Biomedical Science, Environmental Science and Zoology of Bharathidasan University Departments and Affiliated Colleges, Bharathiar University, Coimbatore, India, Sathyabama University, Chennai, India, Periyar University, Salem, India, Thiruvalluvar University, Vellore, India and Karunya University, Coimbatore, India, VIT University, Vellore, India.

Resource person in various capacities

Number of Invited/Special Lectures Delivered: 133

1. Delivered the invited lecture on “Marine Plankton in Indian waters” in Training Workshop on GIS and Marine Biodiversity organized by PG & Research Department of Zoology, Lyola College, Chennai-34 on 28th February, 2008.
2. Delivered the invited lecture on “Marine diatoms-The potential source of Nanoparticles” in “National Brainstorming session on Nanogeoscience” at Dept. of Marine Science, Bharathidasan University, Trichy-24, on 21st August, 2009.

3. Delivered the invited lecture on “Biological and Biotechnological Applications of Marine Microalgae” during the Inauguration of Microbiology and Biotechnology Association at Dr. G. R. Damodaran College of Science, Coimbatore on 11th August, 2010.
4. Delivered the invited lecture on “Culture and Biodiesel Production Efficiency of Marine Microalgae” in Second National Conference on Bio-prospecting of Natural Products and Drug Discovery, organized by Department of Oceanography and Coastal Area Studies, Alagappa University, Thondi Campus, Thondi, on 25th August, 2010.
5. Delivered the invited lecture on “Coastal and Marine Biodiversity-A Need for Conservation” in Commemoration of the International Year of Biodiversity (IYB) 2010 organized by Alagappa University, Karaikudi on 21st December, 2010.
6. Delivered the lead lecture on “Coastal and Marine Biodiversity of India-Present Status and Prospects” in International Conference on Biodiversity & Aquatic Toxicology organized by Department of Zoology and Aquaculture, Acharya Nagarjuna University, Nagarjunanagar, Andhra Pradesh on 13th February, 2011.
7. Delivered the invited lecture and handled practical session on “Tools and Techniques for the classification of plankton” in the National Level Training cum Workshop on Animal Taxonomy and Systematics on 23rd February, 2011 at Department of Advanced Zoology and Biotechnology, Loyola college, Chennai-34, Tamil Nadu.
8. Delivered the invited lecture on “Marine Microalgae-The boon for alternate biofuel” in the International Conference on Biotechnology & Global Warming (ICBGW-2011) organized by Department of Biotechnology, Vivekananda College of Engineering for Women, Elayampalayam, Tiruchengode-637 205, Tamil Nadu on 12th March, 2011.
9. Delivered the invited lecture on “Marine microalgae-The promising feedstock for alternate energy” for the UGC sponsored Refresher Course in Life Science for the College & University Teachers from 10.06.2011 to 30.06.2011 at the UGC-Academic Staff College, Bharathidasan University, Tiruchirappalli-23 on 28th June, 2011.
10. Delivered the invited lecture on “Turning a Pasture of the Ocean into Prosperity of the Nation” in the National Conference on Aquatic Bio-toxin, organized by C.A.S. in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502 on 16th September, 2011.
11. Delivered the Guest Lecture on “Marine Plankton-The Promising feedstock for energy and food production” in connection with celebrations of Wild Life Week at PG and Research Department of Zoology, Periyar E.V.R College, Tiruchirappalli-23 on 4th October, 2011.
12. Delivered the invited lecture on “Marine copepods-A potent immunostimulators in fish larviculture” in DBT sponsored Workshop on Marine Fish Immunology and Immunotechnology organized by Centre of Advanced Study in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502, on 8th December, 2011.
13. Delivered the invited lecture on “Marine Plankton-An Amazing Feedstock for Food, Energy and Nanomaterials Production” in UGC sponsored Refresher Course on Nanoscience organized by Academic Staff College, Bharathiar University, Coimbatore-46 on 16th December, 2011.

14. Delivered the invited lecture on “Hatchery production and utilization of marine copepods for sustainable shrimp larval production” in Indo-UK Conference on Shrimp Aquaculture: Challenges & Innovative Solutions organized by Department of Bioinformatics, Bharathidasan University, Tiruchirappalli-24 on 26th January, 2012.
15. Delivered the invited lecture on “Coastal and Marine Aquaculture-The Promising Food Security Sector in India” in the International Conference on Environmental Security for Food and Health (ICESFH-2012), organized by The MDT Hindu College, Tirunelveli, K.K. Trust Chidambaram and EPS Global Medical Development Inc., Canada, at Kanyakumari on 17th February, 2012.
16. Delivered the Lecture on “Culture and efficacy of marine copepods for fish and shrimp larviculture” in National Level Workshop on Advances in Aquaculture Technology (WAAT-2012) organized by Department of Marine Science, Bharathidasan University, Tiruchirappalli-24 on 23rd February, 2012.
17. Delivered the invited lecture on “A need for marine copepods culture” in National level Training Programme on Live Feed Culture organized by Rajiv Gandhi Centre for Aquaculture, Marine Product Export Development Authority, Sirkazhi on 22nd May, 2012.
18. Delivered the invited lecture on “Culture and utilization of marine copepods for high quality fish seed production with emphasis on an immune development” in DBT sponsored Workshop on Marine Fin Fish and Shellfish Immunology and Immunotechnology organized by Centre of Advanced Study in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502, on 12th July, 2012.
19. Delivered the invited lecture on “Role of Marine Copepods in High Quality Fish Seed Production and Sustainable Aquaculture” in TNSCST sponsored Awareness programme on Science, organized by Periyar E.V.R. College, Tiruchirappalli on 18th July 2012.
20. Delivered the special lecture on ‘High quality Fish seed production using marine copepods as feed’ under SC/ST/OBC minority coaching, UGCXI Plan merged Scheme on 1st October, 2012 at Department of Zoology, Bharathiar University, Coimbatore-641 046.
21. Delivered the invited lecture on “Large batch culture and application of marine copepods for high quality fish seed production” in Lecture series in Advances in Marine Technologies organized by Department of Marine Studies and Coastal Resource Management, Madras Christian College, Tambaram, Chennai-59, Tamil Nadu, India on 19 October 2012.
22. Delivered the invited lecture on “Biology, culture and application of marine copepods for high quality fish seed production” in NFDB sponsored Hands on Training on the Live feed production for Larviculture of Brackishwater finfishes, organized by Central Institute of Brackishwater Aquaculture, Indian Council of Agricultural Research, Govt. of India, Chennai-600 028, Tamil Nadu, India on 30 October 2012.
23. Delivered the invited lecture on “Impact of ocean acidification on plankton-What we know? What we need to know? and What we can do? in National level workshop on Ocean Acidification Research (OAR-2012) organized by Department of Marine and Coastal Studies, Madurai Kamaraj University, Madurai on 14th December 2012.

24. Delivered the lecture on “Marine diatoms-An amazing feedstock for nanomaterials” in Refresher course in Nanoscience and Technology organized by UGC-Academic Staff College, Bharathiar University, Coimbatore, on 19th December 2012.
25. Delivered the invited lecture on “High Quality Fish Seed Production for Sustainable Aquaculture” in National Seminar on Aquaculture: Prospects and Progress” organized by Department of Zoology, Holycross College, Nagercoil, on 11th March 2013.
26. Delivered the invited lecture on “Biology, culture and suitability of marine copepods as live feed for larval rearing of Asian seabass *Lates calcarifer*” in NFDB sponsored Training on “Seed production technology of Asian seabass (*Lates calcarifer*)”, organized by Central Institute of Brackishwater Aquaculture, Indian Council of Agricultural Research, Govt. of India, Chennai-600 028, Tamil Nadu, India on 25 September 2013.
27. Delivered the invited lecture on “Impact of Global Warming on Marine Ecosystem: What we know? What we need to know? and What we can do?” in 3rd International Congress on Global Warming on Biodiversity of Insects: Management and Conservation Strategies” organized by Department of Zoology, Bharathiar University, Coimbatore-46, on 27th November 2013.
28. Delivered the invited lecture on “Marine copepods-An amazing alternative live feed for sustainable aquaculture” in Refresher Course in Life Sciences, organized by UGC-Academic Staff College, Bharathiar University, Coimbatore-46, on 28th November 2013.
29. Delivered the invited lecture on “Impact of Global Warming on Marine Ecosystem” in Refresher Course in Life Sciences, organized by UGC-Academic Staff College, Bharathiar University, Coimbatore-46, on 28th November 2013.
30. Delivered the invited lecture on “Coastal and Marine Biodiversity-Present Status and Prospects” in Refresher Course in Environmental Sciences, organized by UGC-Academic Staff College, Bharathiar University, Coimbatore-46, on 29th November 2013.
31. Delivered the invited lecture on “Marine Resources: Present Status and Prospects” in National Seminar on “Emerging Trends in Biological Research” organized by Lady Doak College, Madurai-2, on 12th December 2013.
32. Delivered the invited lecture on “Applications and opportunities in Marine Sciences” in the UGC sponsored special lecture organized by Department of Zoology, Vellalar College for Women, Erode-12, Tamil Nadu on 22.01.2014.
33. Delivered the Guest Lecture on “Recent Advances in Marine Biology” in the UGC sponsored Training Programme on “Research Methodology in Zoology” organized by the Department of Zoology, Bharathiar University, Coimbatore-46 on 25.01.2014.
34. Delivered the invited lecture on “Fungi and Marine Plankton-An Overview” in the National Conference on Fungal Diversity and Biotechnology for Food and Chemicals (FDBFC) jointly organized by C.A.S. in Marine Biology, Faculty of Marine Sciences, Annamalai University and Mycological Society of India, at Parangipettai-608 502, Tamil Nadu on 27.02.2014.
35. Delivered the invited lecture on “Recent Advances in Marine Biological Research” in the National Conference on Mathematical Modelling in Molecular Cell Biology (3M-CB 2014) jointly organized by the Department of Mathematics and Department of Biotechnology, Bon Secours College for Women, Thanjavur -613 006, Tamil Nadu on 03.03.2014.

36. Delivered the invited lecture on “Intensive production and use of marine copepods for sustainable aquaculture” in MHRD sponsored Training on Biodiversity of Marine Plankton (BMP-2014) organized by Centre of Advanced Study in Marine Biology, Faculty of Marine Sciences, Annamalai University Parangipettai-608 502, Tamil Nadu on 07.03.2014.
37. Delivered the invited lecture on “Mangrove Conservation” in the Mangrove Plantation Programme organized by Department of Marine Studies & Coastal Resource Management, Madras Christian College, Chennai-54 on 26.03.2014.
38. Delivered the invited lecture on “Intensive culture and application of marine copepods for larval rearing of marine fin fish and shell fish” in “Summer School on Technological Advancements in the seed production of marine finfish and shellfish” organized by Mandapam-Regional Centre of CMFRI, ICAR, Mandapam, Tamil Nadu, on 3 September, 2014.
39. Delivered the invited lecture on “New Vistas in Marine Biology and Aquaculture Research” at Mandapam-Regional Centre of CSIR-Central Salt Marine Chemicals Research Institute (CSMCRI), Mandapam, Tamil Nadu, on 3rd September, 2014.
40. Delivered the invited lecture on “Marine Organisms and their uses” in “National Level Seminar on Renal Diseases and Marine Bioresources” organized by Department of Biochemistry, Sacred Heart College, Tirupattur, Tamil Nadu, on 12 September, 2014.
41. Delivered the invited lecture on “Marine Bioresources and its Services” in “National Seminar on Environment and Resource Management” organized by Department of Zoology, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, on 19 September, 2014.
42. Delivered the invited lecture on “Coastal and Marine Biodiversity: Values, Threats and Conservation Strategies” in “National Conference on Current Impact in Conservation of Biodiversity and Utilization” organized by Department of Botany, Arignar Anna Govt. Arts College, Villupuram on 10th January 2015.
43. Delivered the invited lecture on “Marine Bioresources: Values and Conservation Strategies” in “National Seminar on Conservation and Sustainable Utilization of Marine Resources” organized by Department of Zoology, T.D.M.N.S. College, T. Kallikulam on 22 January 2015.
44. Delivered the invited lecture on “Marine Copepod-A Felicitous Fish Feed” in UGC sponsored State Level Seminar on ‘Entrepreneurial Prospects in Aquaculture’ on 5.02.2015 at Department of Zoology, Vellalar College for Women, Erode-12, Tamil Nadu.
45. Delivered the invited lecture on “Impact of acidification on biology of marine phytoplankton and zooplankton” in National Workshop on Ocean Acidification Research (NWOAR 2015) on 25 February 2015 at Department of Marine and Coastal Studies, Madurai Kamaraj University, Madurai-21, Tamil Nadu.
46. Delivered the invited lecture on “Marine Bioresources and its Bioprospecting Values-An Overview” in National Level Seminar on Recent Trends in Bioprospecting of Marine Resources: Opportunities and Challenges on 28 February 2015 at Department of Marine Biotechnology, AMET University, Chennai-112, Tamil Nadu.
47. Delivered the invited lecture on “Live Feeds Culture” in UGC sponsored Lecture Series on 9th March 2015 at Department of Zoology, Bharathiar University, Coimbatore-46, Tamil Nadu.

48. Delivered the invited lecture on “Live Feeds Culture” in NFDB sponsored Training programme on Marine ornamental fish Culture on 22 April 2015 at Centre for Ocean Research, Sathyabama University, Chennai-600 119.
49. Delivered the invited lecture on “Live Feeds Culture” in NFDB sponsored Training programme on Marine ornamental fish Culture on 25 June 2015 at Centre for Ocean Research, Sathyabama University, Chennai-600 119.
50. Delivered the invited lecture on “Marine Copepods-A Felicitious Live Feed” in National Symposium on Current Advances in Immunology Research organized by C.A.S. in Marine Biology, Annamalai University, Parangipettai-02 on 07-08 August 2015.
51. Delivered the invited lecture on “Marine Resources-A Cradle for Human Lives” in National Seminar on Recent Trends in Biological Sciences (NSBS) on 26th August 2015 at Department of Zoology, Govt. Arts College (Men), Krishnagiri-635 001, Tamil Nadu.
52. Delivered the invited lecture on “Marine Copepods-A Felicitous Fish Feed” in Marine Academy Research Council on 27th August 2015 at C.A.S. in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502, Tamil Nadu.
53. Delivered the invited lecture on “Funding Proposal Preparation” for the faculty development programme on 25th September 2015 at Parisutham Institute of Technology and Science, Thanjavur, Tamil Nadu.
54. Delivered the invited lecture on “Impact of acidification on primary producers and secondary producers” in International Conference on Ocean Acidification Research (ICOAR 2015) on 17 December 2015 at Dept. of Marine & Coastal Studies, Madurai Kamaraj University, Madurai-21, Tamil Nadu.
55. Delivered the invited lecture on “Marine Bioresources and its Services for the Sustainable Livelihood” in National Conference on “Recent Trends in Life Sciences” on 5th March 2016 at Department of Zoology, GVG College, Udumalpet, Tamil Nadu.
56. Delivered the invited lecture on “Marine Bioresources and its Services” in National Conference on Modern Trends in Animal Science (NCMTAS-2016) on 9th March 2016 at PG and Research Department of Zoology, Periyar Govt. Arts College, Cuddalore, Tamil Nadu.
57. Delivered the invited lecture on “Environmental contaminants and Marine organisms: Status, Constraints and Way Forward” in National Conference on Immune Response of Marine Fishes with Respect to Heavy Metal Pollution organized by C.A.S. in Marine Biology, Annamalai University, Parangipettai-608 502, Tamil Nadu on 05.08.2016.
58. Delivered the invited lecture on “Exploitation of Marine Microorganisms in Sustainable Energy, Food Production & Environmental Conservation” in National Conference on New Trends in Biomedical & Pharmaceutical Application of Marine Natural Products on 10-11 August 2016 at Centre for Ocean Research, Sathyabama University, Chennai- 119.
59. Delivered the invited lecture on “Biofloc-Copefloc: A novel Technology Towards the Sustainable Aquaculture Production” in National Seminar on Immunodiagnosis-System and Methods in Aquaculture” organized by Centre of Advanced Study in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502, Tamil Nadu on 07.10.2016.

60. Delivered the invited lecture on “Nanobiotechnological applications of marine diatom” in National Conference on “Emerging Biomaterials” organized by Department of Nanoscience and technology, Bharathiar University, Coimbatore-46, Tamil Nadu on 20th October 2016.
61. Delivered the invited lecture on “Intensive stock and Pilot scale culture of marine copepods” in National Training on “Identification of Marine Plankton” organized by Centre of Advanced Study in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502, Tamil Nadu on 21st October 2016.
62. Delivered the invited lecture on “Technological innovations towards the sustainable food and energy production and environmental conservation” in International Conference on “Science and technology for National Development” organized by Kerala University of Fisheries and Ocean Studies, Kochi, Kerala on 25th October 2016.
63. Delivered the invited lecture on “Marine copepods-A felicitous feed for sustainable aquaculture” in National Conference on “Current Status in Aquaculture and its Applications (CSA-2017)” on 17th February 2017 at Department of Zoology, Govt. Arts College (Men), Krishnagiri-635 001, Tamil Nadu.
64. Delivered the invited lecture on “Bioremediation of aquaculture wastewater using a novel method of marine microalgae immobilized on twin layer system” in Winter School on “Advances in fish biology and genotoxicity” on 23rd March 2017 at Department of Animal Behaviour & Physiology, School of Biological Sciences, Madurai Kamaraj University, Madurai-625 025 Tamil Nadu.
65. Delivered the lecture on “Morphological Taxonomy of Coastal and Marine Copepods” in National Level “Hands-on Training on Taxonomic Identification of Coastal and Oceanic Copepods (TICOC-2017)” on 12th July, 2017 at Department of Marine Science, Bharathidasan University, Tiruchirappalli-24, sponsored by MoEF & CC, Govt. of India.
66. Delivered the invited lecture on “Large scale production of marine copepods” in Training Programme on Live Feed for Marine Hatchery Operations” on 24th July 2017 at Seabass and Mud crab Hatchery, Rajiv Gandhi Centre for Aquaculture, Marine Product Export Development Authority, Thoduvai, Nagappattinam Dt. Tamil Nadu.
67. Delivered the invited lecture on “Live Feeds Production for Marine Hatchery Operations” in Training Programme on Live Feed for Marine Hatchery Operations” on 24th July 2017 at Seabass and Mud crab Hatchery, Rajiv Gandhi Centre for Aquaculture, Marine Product Export Development Authority, Thoduvai, Nagappattinam Dt. Tamil Nadu.
68. Delivered the invited lecture on “Intensive live feed (copepod) production in support of intensive seed production of *Macrobrachium rosenbergii*” in the National Consultation on Intensification of *Macrobrachium rosenbergii* culture in India: Status, Constraints and the Way Forward” as a part of Indo-US 21st Century Knowledge Initiative, 2015, University Grants Commission, Govt. of India, held on 27-29 July 2017 at National Centre for Aquatic Animal Health, Cochin University of Science and Technology, Kochi, Kerala.
69. Delivered the invited lecture on “Marine copepods-A felicitous feed for sustainable aquaculture” in International Conference on “Biotechnology and its role in Aquaculture and Fisheries” organized by Centre of Advanced Study in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502, Tamil Nadu on 23 August 2017.

70. Delivered the invited lecture on "Marine Bioresources and Their Services: Status, Constraints and the Way Forward" in Department of Botany, Holycross College, Tiruchirappalli, Tamil Nadu on 5th Decemembr 2017.
71. Delivered the invited lecture on "An Amazing Marine Bioresources and their Service: Status, Constraints and the Way Forward" in National Conference on Indian Fisheries: Prospects and Challenges organized by Department of Zoology, Govt. Arts and Science College for Women, Kumbakonam, Tamil Nadu on 15 February 2018.
72. Delivered the invited lecture on "Impact of Global Warming on Marine Ecosystem: What we know? What we need to know? and What we can do? in National Conference on Impact of Global Warming on Vector-Borne Diseases organized by Department of Zoology, J. K. K. Nataraja College of Arts and Science, Komarapalayam, Tamil Nadu on 16 February 2018.
73. Invited as Subject Expert by DBT, Govt. of India and delivered the talk on "Copepods: A Felicitous Alternative Live Feed for Sustainable Aquaculture" in DBT sponsored Brainstorming Session on "Nutrition and Live Feed for Aquaculture Species" organized by Fakir Mohan University, Balasore, Orissa, India, on 21-22 February 2018.
74. Delivered the invited lecture on "Live Feed Production for Aquaculture Purpose" in 2nd Training Programme on "Business Opportunities in Aquaculture and Vermiculture Technology" organized by Department of Animal Health and Management, Alagappa University, Karaikudi, Tamil Nadu, on 7 March 2018.
75. Delivered the invited lecture on "An Amazing Marine Bioresources and Their Services: Status, Constraints and the Way Forward" in Department of Botany, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, on 12 March 2018.
76. Delivered the invited lecture and handled the practical session on "Morphological and Molecular Characterization of Marine Planktonic Copepods" in MoES, Govt. of India sponsored International Workshop on "Moern Techniques for Molecular and Morphological Characterization of Crustaceans" Organized by the C.A.S.in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502, Tamil Nadu, India, on 3rd July 2018.
77. Delivered the invited lecture on "Large scale culture and application of marine copepods in fish and shrimp larval production" in Training Programme on Live Feeds on 25th July 2018 at Seabass and Mud crab Hatchery, Rajiv Gandhi Centre for Aquaculture, Marine Product Export Development Authority, Thodivai, Nagappattinam Dt. Tamil Nadu.
78. Delivered the lecture on "Morphological Taxonomy of Coastal and Oceanic Copepods" in National Level "Hands-on Training on Taxonomic Identification of Coastal and Oceanic Copepods (TICOC-2018)" on 25th September, 2018 at Department of Marine Science, Bharathidasan University, Tiruchirappalli-24, sponsored by MoEF & CC, Govt. of India.
79. Delivered the invited lecture on "Stock and mass culture maintenance of Live feeds, special focus with Copepods" in Orientation Training to Project Personnel's of DBT sponsored project entitled, "Establishing germplasm resource center for marine ornamental invertebrates: Harmonising biodiversity conservation and promoting livelihood to the islanders of the Lakshadweep" on 24 November 2018 at ICAR-National Bureau of Fish Genetic Resources, Kochi Regional Centre, Kochi, India.

80. Delivered the invited special lecture on "Marine Bioresources and Bioprospecting-Status, Constraint and the Way Forward at Department of Biotechnology, J. J. College, Pudukkottai, Tamil Nadu on 31st December 2018.
81. Delivered the invited lecture and handled the Practical session on "Taxonomy of Marine and Freshwater Zooplankton" at the Department of Zoology, National College, Tiruchirappalli-620 001, Tamil Nadu on 21st and 22nd January 2019.
82. Delivered the invited lecture on "Biofloc: Copefloc-A Novel Technology Towards the Sustainable Aquaculture" in MHRD, Govt. of India sponsored International Conference on "Changing Contours of Blue Economy- Promises and Challenges" Organized by C.A.S.in Marine Biology, Annamalai University, Parangipettai-608 502, Tamil Nadu, India, on 6th February 2019.
83. Delivered the invited lecture on "Marine Bioresources and Bioprospecting: Status, Constraints and the Way Forward" in DBT sponsored National Conference on Biology and Medicine (NCBM-2019) jointly organized by Department of Zoology and Human Genetics & Molecular Bioogy, Bharathiar University, Coimbatore-46 on 8th February, 2019.
84. Delivered the invited lecture on "Marine Bioresources and Their Services" in the Department of Zoology, Kunthavai Naacchiyaar Govt. Arts College for Women, Thanjavur-7, on 14th February 2019.
85. Delivered the invited lecture on "An Amazing Marine Bioresources and Their Values" in the UGC sponsored Refresher Course on Zoology organized by UGC-Human Resource Development Centre, Bharathiar University, Coimbatore-46, on 21st June 2019.
86. Delivered the invited lecture on "Marine copepods-A felicitous live feed for sustained aquaculture" in the UGC sponsored Refresher Course on Zoology organized by UGC-Human Resource Development Centre, Bharathiar University, Coimbatore-46, on 21st June 2019.
87. Delivered the invited lecture on "Aquaponics-A New Avenue to Enhance the Rural Livelihood and Fisheries Management" in UGC sponsored National Seminar on "Fisheries Management" organized by the Department of Zoology, Govt. Arts and Science College for Women, Kumbakonam, Tamil Nadu on 25 July 2019.
88. Delivered the invited lecture on "Live Feed Culture" in the Lecture Series in Zoology organized by Department of Zoology, Bharathiar University, Coimbatore-46, on 22nd June 2019.
89. Delivered the invited lecture on "Artificial Feed Formulation in Aquaculture" in the Lecture Series in Zoology organized by Department of Zoology, Bharathiar University, Coimbatore-46, on 22nd June 2019.
90. Delivered the lecture on "Morphological Identification of Coastal and Marine Copepods" in National Level "Hands-on Training on Taxonomic Identification of Coastal and Oceanic Copepods (TICOC-2019)" 3rd October, 2019 at Department of Marine Science, Bharathidasan University, Tiruchirappalli-24, sponsored by MoEF & CC, Govt. of India.
91. Delivered the invited lecture on "Intensive production of keystone live feed with special reference to marine copepods"" in Training Programme on Live Feed for Marine Hatchery Operations" on 6th November 2019 at Seabass and Mud crab Hatchery, Rajiv Gandhi Centre for Aquaculture, Marine Product Export Development Authority, Thoduvai, Nagappattinam Dt. Tamil Nadu.

92. Delivered the invited lecture on “Large scale culture and validation of marine copepods as an alternative live feed for sustainable larval production of fin fishes and shellfishes” in “Winter School on Mariculture Technologies: Principles and practices to augment the seafood production in India” organized by Mandapam-Regional Centre of CMFRI, ICAR, Mandapam, Tamil Nadu, on 20 November, 2019.
93. Delivered the invited lecture on “An Amazing Marine Bioresources and Their Services” in the Zoology Association organized by the PG & Research Department of Zoology, Kandaswamy Kandar’s College, Velur-638 182, Namakkal Dt., Tamil Nadu, on 23rd January 2020.
94. Delivered the invited lecture on “Coastal and Marine Biodiversity: Status, Constraints and the Way Forward” in NBA sponsored National Conference on “Wetland Biodiversity and its Conservation Strategy (WBCS-2020)” organized by P.G. & Research Department of Zoology & Biotechnology, A.V.V.M. Sri Pushpam College, Poondi-613 503, Thanjavur Dt., Tamil Nadu on 30.01.2020.
95. Delivered the invited lecture on “Live Feed Aquaculture with Special Emphasis on Marine Copepods” in National Conference on “Recent Advances in Aquaculture” organized by P.G. & Research Department of Zoology, Sir Theagaraya College, Old Washermenpet, Chennai-600 021, Tamil Nadu on 06.02.2020.
96. Delivered the invited lecture on “Marine Bioresources and Bioprospecting Values: Status, Constraints and the Way Forward” in SUMNERS Club organized by Department of Biochemistry, J. J. College, Pudukkottai, Tamil Nadu on 13th February 2020.
97. Delivered the invited lecture on “Biofloc-Copefloc: A Novel Aqua Farming Technology” in MPEDA sponsored International Conference on Recent Biotechnological Innovation in Aquaculture (RBIA-2020) jointly organized by Department of Zoology, Bharathiar University, Coimbatore-46 and ICAR-National Bureau of Fish Genetic Resources (ICAR-NBFGR), Lucknow-226 002 on 28th February, 2020.
98. Delivered the lecture on “Marine copepods-A felicitous Aqua Feed” in three days Webinar on “Avenues in Ocean Research” jointly organized by BECH-RUSA 2.0 & Department of Marine Science, Bharathidasan University, Tiruchirappalli-24 on 27th May, 2020.
99. Delivered the lecture on “An amazing Marine Ecosystem” in “Webinar on Commemoration of the World Oceans Day” on 8th June 2020 at Department of Marine Science, Bharathidasan University, Tiruchirappalli-24, Tamil Nadu.
100. Delivered the lecture on “Live-Feed Culture Technology” in the Five Days Skill Development Webinar on “Ornamental Fish Culture and Breeding” organized by the Department of Biotechnology, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai-19 held on 15th June 2020.
101. Delivered the lecture on “High Density Production of Marine Copepods using RAS” in National Level Virtual Training Lecture on “Techniques in Intensive Production of Marine Copepods (TIPMAC-2020)” during 19th June, 2020 at Department of Marine Science, Bharathidasan University, Tiruchirappalli-24, sponsored by Department of Biotechnology (DBT), Govt. of India.

102. Delivered the lecture on "Marine copepods-A felicitous Fish Feed" in National Level Virtual Training Lecture on "Techniques in Intensive Production of Marine Copepods (TIPMAC-2020)" during 19th June, 2020 at Department of Marine Science, Bharathidasan University, Tiruchirappalli-24, sponsored by Department of Biotechnology (DBT), Govt. of India.
103. Delivered the lecture on "Integrated Recirculating Aquaponics System: A New Avenues Towards the Sustainable Aqua-Agriculture Production and Water Conservation" in the Webinar on "Challenges for Water Resources Sustenance" organized by the Department of Zoology, Nirmala College for Women, Coimbatore-18, held on 22 June 2020.
104. Delivered the lecture on "Marine copepods-A felicitous Aqua Feed" in three days Webinar on "Avenues in Ocean Research" jointly organized by BECH-RUSA 2.0 & Department of Marine Science, Bharathidasan University, Tiruchirappalli-24 on 27th May, 2020.
105. Delivered the lecture on "An amazing Marine Ecosystem" in "Webinar on Commemoration of the World Oceans Day" on 8th June 2020 at Department of Marine Science, Bharathidasan University, Tiruchirappalli-24, Tamil Nadu.
106. Delivered the lecture on "Live-Feed Culture Technology" in the Five Days Skill Development Webinar on "Ornamental Fish Culture and Breeding" organized by the Department of Biotechnology, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai-19 held on 15th June 2020.
107. Delivered the lecture on "Integrated Recirculating Aquaponics System: A New Avenues Towards the Sustainable Aqua-Agriculture Production and Water Conservation" in the Webinar on "Challenges for Water Resources Sustenance" organized by the Department of Zoology, Nirmala College for Women, Coimbatore-18, Tamil Nadu, held on 22 June 2020.
108. Delivered the lecture on "Marine Bioresources and their Bioprospecting Values" in the Faculty Development Programme on "Bioresources" on 31st July 2020 organized by the Department of Microbiology, K. R. College of Arts and Science, Kovilpatti-628 503, Tamil Nadu.
109. Delivered the lecture on "Felicitous Live Feeds for sustainable ornamental trade" in the Seven-day Entrepreneurship Skill Development Online Course on "Ornamental Fishes-Production, Trade and Technology Transfer" on 07th August 2020 organized by the Department of Zoology, Kongunadu Arts and Science College, Coimbatore-641 029, Tamil Nadu.
110. Delivered the lecture on "High Density Production and Utilization of Marine Copepods in Sustainable Aquaculture" in the Virtual Workshop on "Aquaculture and Fisheries: Development and Sustainability" on 19th August 2020 organized by the PG & Research Department of Advanced Zoology and Biotechnology, Guru Nanak College, Chennai-600 042, Tamil Nadu.
111. Delivered the lecture on "Commercial Scale Production and Utilization of Marine Copepods for Sustainable Aquaculture" in the Experimental Learning Programme (Hands on Training) on different aspects of Fisheries Sciences and Aquaculture held on 28th August 2020 organized by the Centre of Advanced Study in Marine Biology, Annamalai University, Chennai-600 042, Tamil Nadu.
112. Delivered the lecture on "Amazing Marine Bioresources and Their Bioprospecting" in the National webinar on "Amazing Marine Bioresources and Their Bioprospecting" on 7th October 2020 organized by the Department of Zoology, Padmavani College, Salem-636 011, Tamil Nadu.

113. Delivered the lecture on “Production and Application of Marine Copepods in Aquaculture” in International Webinar on “Living Capsules in Aquaculture (LICA-2020) on 16 October 2020 at Department of Marine Science, Bharathidasan University, Tiruchirappalli-24.
114. Delivered the lecture on “Impacts of Microplastics in Marine Plankton” in National Webinar on “Microplastics in Marine Environment (MIME-2020) on 26 November 2020 at Department of Marine Science, Bharathidasan University, Tiruchirappalli-24.
115. Delivered the lecture on “Copefloc-A Novel Approach for Sustainable Aquaculture” in UGC-Sponsored Refresher Course in Bio-Sciences (Interdisciplinary) on 21 December 2020 organized by UGC-Sponsored Human Resource Development Centre (UGC-HRDC), Bharathidasan University, Tiruchirappalli-23.
116. Delivered the lecture on “Live Feeds Culture” in One Day Hands-on Training on Marine Ornamental Fish Culture sponsored by NFDB & MANAGE, Govt. of India organized by Jehova Shamma Centre for Marine & Wildlife Research, Ramanathapuram on 29th December 2020.
117. Delivered the lecture on “Large Scale Production and Commercial Copepod Product Development for Live feed Entrepreneurship Development” in Skill Development Programme on Ornamental Fish Culture sponsored by RUSA, MHRD, Govt. of India organized by Department of Environmental Sciences, Bharathiar University, Coimbatore-46 on 16th February 2021.
118. Delivered the invited lecture on “Marine Copepods: A Novel Approach Towards the Sustainable Aquaculture” in One Day National Seminar on Entrepreneurship in Aquaculture, organized by Department of Zoology, Syed Ammal Arts and Science College, Ramanathapuram-623 513 on 5th March 2021.
119. Delivered the invited lecture on “Live Feed Entrepreneurship Development” in Matsya Mitra Training Programme for Fisherfolk, sponsored by Ministry of Rural Development, Govt. of India, organized by C.A.S. in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai-608 502 on 12th March 2021.
120. Delivered the invited lecture on “Marine Bioresources and Their Services” in Faculty Development Programme, under UGC, CPE Grant, Govt. of India, organized by Department of Zoology, Vivekananda College, Tiruvudagam West, Sholavandan, Madurai-625 234 on 16th March 2021.
121. Delivered the invited lecture on “Marine Bioresources: Status, Constraints and the Way Forward” in Seminar on “Frontiers in Marine Resources, Biotechnology & Conservation”, organized by Department of Zoology, Nirmala College for Women, Red Field, Coimbatore-641 018 on 17th March 2021.
122. Delivered the invited lecture on “Marine Diversity: Status and Service” in ECOR-International Conference Series-2 organized by Eco-errisa, ECOR Foundation, Kerala, on 5th June 2021.
123. Delivered the invited lecture on “Biofloc-Copefloc-An Innovative Way of Aquaculture” in State Level Webinar on 9th June 2021 organized by Department of Microbiology, K.R. College of Arts and Science, Kovilpatti, Tamil Nadu.
124. Delivered the invited lecture on “Marine Bioresources and Bioprospecting” in National Level Webinar on 14th June 2021 organized by Department of Biochemistry, Bharathidasan College of Arts and Science, Erode, Tamil Nadu.

125. Delivered the invited lecture on “Copefloc: A Novel Approach Towards the Sustainable Mariculture” in National Virtual Conference on “Mariculture in India – Recent Advancements (MIRA 2021)” organized by the Department of Marine Biotechnology, AMET University in association with Indian Association of Aquatic Biologists (IAAB), Hyderabad on 16th June 2021.
126. Delivered the lecture on “Copefloc Aquaculture” in National Level Virtual Lecture Workshop on “Sustainable Aquaculture Technologies (SAT-2021) on 13th August 2021 at Department of Marine Science, Bharathidasan University, Tiruchirappalli-24, Tamil Nadu, sponsored by RUSA (MHRD), Govt. of India, New Delhi.
127. Delivered the invited lecture on “Harmful Algal Blooms” in International Virtual Workshop on “Challenges & Issues in Coastal and Ocean Research (CICOR-2021) 22nd September 2021 at Department of Marine Science, Bharathidasan University, Tiruchirappalli-24, Tamil Nadu, sponsored by RUSA (MHRD), Govt. of India, New Delhi.
128. Delivered the invited lecture on “Copepods: A Felicitous Live Feed Towards the Sustainable Aquaculture” in the National Workshop on “Challenges and Strategies in Sustainable Aquaculture” organized jointly by Sathyabama Institute of Science and Technology, Chennai and C.A.S. in Marine Biology, Annamalai University, Parangipettai on 30th October 2021.
129. Delivered the invited lecture on “Copefloc: A Novel Technology Towards the Sustainable Aquaculture” in UGC sponsored Refresher Course on “Recent Developments in Life Sciences” on 2nd November 2021 organized by UGC-HRDC, Madurai Kamaraj University, Madurai-625 025 Tamil Nadu.
130. Delivered the invited lecture on “Biofloc-Copefloc: A Novel Technology Towards the Sustainable Aquaculture” in DBT-STAR College Scheme sponsored Lecture Series on 19th November 2021 organized by the Department of Biotechnology, RVS College, Coimbatore, Tamil Nadu.
131. Delivered the lecture on “Live Feeds Culture” in One Day Physical Training Programme on “Innovation in Aquaculture” sponsored by NFDB & MANAGE, Govt. of India organized by Jehova Shamma Centre for Marine & Wildlife Research and PG Dept. of Zoology, Syed Ammal Arts and Science College, Ramanathapuram, Tamil Nadu on 16th December 2021.
132. Delivered the lecture on “Live Feed Entrepreneurship Development” in One Day Physical Training Programme on “Recent Trends in Mariculture” sponsored by NFDB & MANAGE, Govt. of India organized by Jehova Shamma Centre for Marine & Wildlife Research and PG Dept. of Zoology, Syed Ammal Arts and Science College, Ramanathapuram, Tamil Nadu on 17th December 2021.
133. Delivered the lecture on “Marine Bioresources and Bioprospecting: Status, Constraints and the Way Forward” in UGC sponsored Refresher Course in Life Sciences on 4th January 2022 organized by UGC-HRDC, Bharathiar University, Coimbatore-46.

Others

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| 1. Articles published in Newspapers/Magazines | : 04 |
| 2. Products developed: Microalgae | : 45 species |
| Rotifers | : 02 species |
| Artemia | : 04 strains |
| Cladocerans | : 03 species |
| Copepods | : 12 species |
| 3. No. of Ph.D. Thesis evaluated | : 50 |
| 4. No. of Ph.D. Public Viva Voce Examination conducted | : 45 |
| 5. Sequences submitted in GenBank | : 60 |

Social Interests and Initiatives/Articles in Newspapers etc. can also be included

Actively involving in extension/outreach activities like providing training and awareness on hygienic handling of marine fishes, fish value added products development, culture of live feeds, culture of marine food and ornamental fishes. Keenly involving in providing consultancy services on culture and application of marine copepods in sustainable aquaculture.

Selected Recent Publications in SCI/UGC CARE LISTED JOURNALS (As on 01.01.2022)

Publication of Books: (2012-2019)

1. **Santhanam, P.**, Ajima Begum and P. Perumal, 2019. Basic and Applied Phytoplankton Biology. Springer Publisher (ISBN 978-981-10-7937-5), 336pp.
2. **Santhanam, P.**, Ajima Begum and P. Perumal, 2019. Basic and Applied Zooplankton Biology. Springer Publisher (ISBN 978-981-10-7952-8), 442pp.
3. **Santhanam, P.**, A. R. Thirunavukkarasu and P. Perumal, 2015. Advances in Marine and Brackishwater Aquaculture. Springer Publisher (ISBN 978-81-322-2270-5). 263 pp.
4. Manickam, N., P. Saravan Bhavan and **P. Santhanam.**, 2015. Physico-chemical Characteristics of Lake Ecosystem. LAMBERT Academic Publishing (ISBN 978-3-659-79409-4).
5. **Santhanam, P** and P. Perumal., 2012. Marine Biodiversity: Present Status and Prospects. Narendra Publishing House, Delhi (India), (ISBN 9789380428550), 266pp.

Publication of Monographs/Manuals: (1998-2019)

6. **Santhanam, P.**, 2019. Training Manual on Taxonomic Identification of Coastal and Oceanic Copepods Vol. 3 (ISBN: 978-93-87354-17-3), Jami Publ., Trichy-23. 112pp.
7. **Santhanam, P.**, 2018. Training Manual on Taxonomic Identification of Coastal and Oceanic Copepods. Vol. 2 (ISBN: 978-93-87354-17-3), Jami Publ., Trichy-23. 100pp.
8. **Santhanam, P.**, 2017. Training Manual on Taxonomic Identification of Coastal and Oceanic Copepods. Vol. 1: 79 pp.
9. **Santhanam, P.**, 2012. Manual on Advances in Aquaculture Technology. 191pp.
10. Perumal, P., P. Sampathkumar and **P. Santhanam**, 1998. Zooplankton of Parangipettai coastal waters. *Monograph Series*, **Vol. I**. UGC-SAP, CAS in Marine Biology, Annamalai University, Parangipettai, 31 pp.

Publications in SCI/UGC-CARE Listed Journals: (2003-2022)

11. Raju, P., P. Santhanam, S. Sonai Pandian, M. Divya, A. Arunkrishnan, K. Nanthini Devi, S. Ananth, J. Roopavathy and P. Perumal., 2022. Impact of polystyrene microplastics on major marine primary (phytoplankton) and secondary producers (Copepod). *Archives of Microbiology*, 204: 84, <https://doi.org/10.1007/s00203-021-02697-6>. (IF: 2.552).
12. Nandhini Devi, K., P. Raju, P. Santhanam, S. Dinesh Kumar, N. Krishnaveni, J. Roopavathy and P. Perumal, 2021. Biodegradation of low-Density polyethylene and polypropylene by microbes isolated from Vaigai River, Madurai, India. *Archives of Microbiology* (<https://doi.org/10.1007/s00203-021-02592-0>). (IF: 2.552).
13. Akalya, K., S. Dinesh Kumar, G. Manigandan, P. Santhanam, P. Perumal, N. Krishnaveni, R. Arthika, A. Begum, B. Dhanalakshmi and Mi- Kyung Kim, 2021. The Influence of the Macroalgae Liquid Extracts on the Pigments and Fatty Acids Profile of the Marine Microalga, *Picochlorum maculatum* (PSDK01). *Thalassas: An International Journal of Marine Sciences*. <https://doi.org/10.1007/s41208-021-00338-9>. (IF: 0.620).
14. Prathipa, A., G. Manigandan, S. Dinesh Kumar, **P. Santhanam**, P. Perumal, N. Krishnaveni, K. Nanthini Devi, and S. Vijayalakshmi, 2021. Gibberellic acids promotes growth and exopolysaccharides production in *Tetraselmis suecica* under reciprocal nitrogen concentration: An assessment on antioxidant properties and nutrients removal efficacy of immobilized iron-magnetic nanoparticles, *Archives of Microbiology* (DOI-10.1007/s00203-021-02545-7) (I. F- 2.552).
15. Murugesan, R., K. Vasuki, B. Kaleeswaran, **P. Santhanam**, S. Ravikumar, Mona S Alwahibi, Dina A Soliman, Bandar Mohsen Ahmed Almunqedhi and Jawaher Alkahtani, 2021. Insecticidal and repellent activities of *Solanum torvum* (Sw.) leaf extract against stored grain pest *Callosobruchus maculatus* (F.) (Coleoptera: Bruchidae). *Journal of King Saud University-Science*, 33; 101390. (I. F- 4.011).
16. N. Krishnaveni, **P. Santhanam**, S. Dinesh Kumar, A. Gowthami, K. Nanthini Devi and P. Perumal. 2021. Evaluation of Growth, Proximate Composition, Antioxidant and Phytochemical Properties of Marine Diatom *Amphiprora paludosa* (PSBDU-005). *Indian Journal of Natural Sciences*, 12 (67): 33249- 33254. (ISIIF-1.773).
17. N. Krishnaveni, **P. Santhanam**, S. Dinesh Kumar, A. Gowthami, K. Nanthini Devi and P. Perumal. 2021. Comparative Assessment of Proximate Composition, Phytochemical and Antioxidant Properties of Culture Important Marine Microalgae. *Indian Journal of Natural Sciences*, 12 (67): 33302-33309. (ISIIF-1.773).
18. Reshma, R., S. Dinesh Kumar, K. Chitra Devi, **P. Santhanam**, P. Perumal, N. Krishnaveni, A. Begum, M. Pragnya, R. Arthikha, B. Dhanalakshmi and Mi-Kyung Kim, 2021. Enhancement of pigments production in the green microalga *Dunaliella salina* (PSBDU05) under optimized culture condition. *Bioresource Technology Reports*, 14: 100672. (CS-3.8).
19. Jothiraj, K., N. Krishnaveni, **P. Santhanam**, S. Ananth, S. Dinesh Kumar, P. Raju, N. Jeyaraj and A. Shenbaga Devi, 2021. Analysis of Nutritional Composition of Three Aquaculture Important Live Feeds. *Indian Journal of Natural Sciences*, 12 (65): 29694-29703. (ISIIF-1.773).

20. Jothiraj, K., P. Raju, **P. Santhanam**, S. Ananth, S. Dinesh Kumar, N. Jeyaraj, A. Shenbaga Devi and N. Krishnaveni, 2021. Mass Culture of Marine Copepod *Nannocalanus minor*. Indian Journal of Natural Sciences, 12 (65): 29713-29721. (ISIIF-1.773).
21. Priyatharsini, P., B. Dhanalakshmi, S. Dinesh Kumar, **P. Santhanam** and M. Pragnya, 2021. Biodiversity of Phytoplankton in Theroor Wetland Ecosystem, Kanyakumari, India. Indian Journal of Natural Sciences, 12 (65): 29682-29693. (ISIIF-1.773).
22. Dinesh Kumar, S., N. Krishnaveni, **P. Santhanam**, P. Raju, P. Perumal, A. Begum, S.U. Ahmed, M. Pragnya, B. Dhanalakshmi and Mi-Kyung Kim, 2020. Growth enhancement in marine copepod, *Pseudodiaptomus annandalei* fed with the sodium acetate containing N/P starved-medium grown, *Tetraselmis suecica*. Aquaculture Research. DOI: 10.1111/are.15254. (I. F- 2.082).
23. **Santhanam, P.**, N. Manickam and P. Perumal, 2020. Biofloc-Copefloc: A Novel Technology Towards Sustained Aquaculture. Journal of the Indian Society of Coastal Agricultural Research. 38 (2): 43-50. (NAASIF-5.17).
24. Bharathi, S., S. Dinesh Kumar, S. Sekar, **P. Santhanam**, M. Divya, N. Krishnaveni, M. Pragnya and B. Dhanalakshmi, 2020. Experimental Evaluation of Seaweeds Liquid Extracts as an Alternative Culture Medium on the Growth and Proximate Composition of *Picochlorum maculatum*. Proceedings of National Academy of Science of India, Section-B Biological Science, 91 (1), 205-215. (I. F- 0.96).
25. Muralisankar, T., P. Kalaivani, S. H. Thangal and **P. Santhanam**, 2021. Growth, biochemical, antioxidants, metabolic enzymes and hemocytes population of the shrimp *Litopenaeus vannamei* exposed to acidified seawater. Comparative Biochemistry and Physiology, Part C, 239:108843 (IF: 2.892). (IF: 2.892).
26. Gayathri, V., T. Muralisankar, R. Rajaram, M. Muniyasamy and **P. Santhanam**, 2020. Assessment of heavy metals pollution in Noyyal and Chinnar Rivers, Western Ghats of Tamil Nadu, India with reference to crabs (Gecarcinucidae)-A Baseline Study. Bulletin of Environmental Contamination and Toxicology, 105:538-545. (IF: 2.151).
27. Dinesh Kumar, S., **P. Santhanam**, N. Krishnaveni, P. Raju, A. Begum, S. U. Ahmed, P. Perumal, M. Pragnya, B. Dhanalakshmi and Mi-Kyung Kim. 2020. Baseline assessment of water quality and ecological indicators in *Penaeus vannamei* farm wastewater along the Southeast coast of India. Marine Pollution Bulletin. 160: 111579. (IF: 5.553).
28. Bharatha Rathna, P., **P. Santhanam**, S. Jeyanthi, T. Thangaradjou and T. Muralisankar, 2020. Effects of replacing fishmeal with seagrass *Cymodocea serrulata* meal on the growth and biochemical composition of white legged shrimp *Penaeus vannamei*. International Journal of Biology, Pharmacy and Allied Sciences. 9(1): 2527-2537.
29. Leena Grace Nancy, F., **P. Santhanam**, S. Dinesh Kumar, N. Krishnaveni and M. Divya, 2020. Analyses of physico-chemical characteristics of rice mill effluents and its utilization in algal biomass production. International Journal of Biology, Pharmacy and Allied Sciences. 9(1): 2589-2597
30. Kaviyarasan, M., **P. Santhanam**, S. Ananth, S. Dinesh Kumar, P. Raju and S. Kandan., 2019. Population growth, nauplii production and post-embryonic development of *Pseudodiaptomus annandalei* (Sewell, 1919) in response to temperature, light intensity, pH, salinity and diets. Indian Journal of Geo-Marine Sciences, 49 (6): 1000-1009. (I. F-0.496).

31. Dinesh Kumar, S., Kang Sojin, **P. Santhanam**, B. Dhanalakshmi, S. Latha and Mi-Kyung Kim, 2020. Reciprocal response of nitrogen for enhancing growth and proximate compositions of marine microalga *Tetraselmis* sp. under low saline conditions, *Indian Journal of Geo-Marine Sciences*, 49 (02): 326-332 (I. F-0.496).
32. Narasimman Manickam, Periyakali Saravana Bhavan, **Perumal Santhanam** and Thirunavukkarasu Muralisankar. 2020. Influence of wild mixed zooplankton on growth and muscle composition of the freshwater prawn *Macrobrachium rosenbergii* post larvae. *Aquaculture*, 522: 735110 (I. F-4.242).
33. Manickam, N., T. Muralisankar, S Ananth, S. Dinesh Kumar, **P. Santhanam**, P. Saravana Bhavan, S. Balakrishnan and A. Shenbaga Devi, 2020. Phytoplankton biodiversity in the two perennial lakes of Coimbatore, Tamil Nadu, India. *Acta Ecologica Sinica*, 40: 80-89. (CS-1.4).
34. Keerthana, S., S. Sekar, S. Dinesh Kumar, **P. Santhanam**, M. Divya, N. Krishnaveni, R. Arthikha and Mi-Kyung Kim, 2020. *Scenedesmus peccensis* cultivation in rice mill effluent using commercial scale nutrient sources. *Bioresource Technology Reports*. 9(2):100379. (CS-3.8).
35. Rajendran Viji, Nirmaladevi D. Shrinithiviahshini, **Perumal Santhanam**, Srinivasan Balakrishnan, Yujun Yi, Govindan Rajivgandhi. 2019. Biomonitoring of the environmental indicator and pathogenic microorganisms assortment in foremost pilgrimage beaches of the Bay of Bengal, Southeast coast, India. *Marine Pollution Bulletin*, 149: 110548. (IF: 5.553).
36. Suganya, S., B. Dhanalakshmi, S. Dinesh Kumar and **P. Santhanam**, 2019. Cytotoxic Effect of Silver Nanoparticles Synthesized from *Sargassum wightii* on Cervical Cancer Cell Line. *Proceedings of National Academy of Science of India, Section-B Biological Science*, 49 (5), 839-844. (I. F- 0.96).
37. Divya, M., S. Balakrishnan., **P. Santhanam**, S. Dinesh Kumar, P. Raju and N. Krishnaveni, 2019. Effect of variable salinity on the growth rate, biomass production, pigment composition and lipid yield in halophilic microalgae *Euglena* sp. (Euglenales: Euglenaceae). *Environment and Ecology*, 37 (4): 1147-1153.
38. Leena Grace Nancy, F., D. Vijayalakshmi, D., S. Dinesh Kumar, **P. Santhanam**, B. Jasmin Nivetha, M. Divya, N. Krishnaveni and Mi-Kyung Kim, 2019. Treatment of sugar cane industry effluent using immobilized microalga *Scenedesmus peccensis*: Responses from different pH, retention time, beads density and algal cell concentration in beads. *Environment and Ecology*, 37 (4): 1161-1170.
39. P. Bharatharathna and **P. Santhanam**. Analysis of Phytochemical, Biochemical, Pigments and Antioxidant Activity of Seagrass *Syringodium Isoetifolium*. *Journal of Advanced Scientific Research*, 2019, 10 (4):1-5.
40. Princely Ebenezer Gnanakani, **Perumal Santhanam**, Kumpati Premkumar, Kilari Eswar Kumar, Magharla Dasaratha Dhanaraju. 2019. *Nannochloropsis* Extract-Mediated Synthesis of Biogenic Silver Nanoparticles, Characterization and *In Vitro* Assessment of Antimicrobial, Antioxidant and Cytotoxic Activities. *Asian Pacific Journal of Cancer Prevention*, 20 (8), 2353-2364. (I. F-1.50).
41. Princely Ebenezer Gnanakani, **Perumal Santhanam**, Kumpati Premkumar, Kilari Eswar Kumar and Magharla Dasaratha Dhanaraju. 2019. Cytotoxic Efficacy of *Nannochloropsis* Extracts on Lung Carcinoma in Mice. *Indian Journal of Science and Technology*, Vol 12(21), DOI: 10.17485/ijst/2019/v12i21/144520.
42. Princely Ebenezer Gnanakani, **Perumal Santhanam**, Kilari Eswar Kumar, Magharla Dasaratha Dhanaraju. 2019. Chemical Composition, Antioxidant, and Cytotoxic Potential of *Nannochloropsis* Species Extracts. *Journal of Natural Science, Biology and Medicine*. 10:167-77. (CS-1.7).

43. Kaviyarasan, M., **P. Santhanam**, S. Balakrishnan, S. Dinesh Kumar, S. Ananth and S. Kandan., 2019. Seasonal variations in copepods diversity along the Vettar coastal waters, South Eastern India. *Environment and Ecology*. 37 (2): 471-480.
44. Kaviyarasan, M., **P. Santhanam**, S. Ananth, S. Dinesh Kumar, G. Hanumantha Rao, R. Jayakumar, A. K. Abdul Nazar and S. Kandan., 2019. Mass production and biochemical composition of marine copepod *Pseudodiaptomus annandalei*. *International Journal of Basic and Applied Research*, 9 (3): 41-52.
45. Amutha, V., P. Deepak, C. Kamaraj, G. Balasubramani, D. Aiswarya, D. Arul, **P. Santhanam**, A. M. Ballamurugan and P. Perumal., 2019. Mosquito-Larvicidal Potential of Metal and Oxide nanoparticles Synthesized from Aqueous Extract of the Seagrass, *Cymodocea serrulata*. *Journal of Cluster Science*, <https://doi.org/10.1007/s10876-019-01542-7>. (I. F-3.061).
46. Sasirekha Rajendran, Thankaraj Salammal Sheena, Anitha Radhakrishnan, **Santhanam Perumal**, K Jeganathan, 2019. Characterizations and Analysis of Marine Diatom, *Amphora* Genus Frustules: A Resource of Biomaterial. *Bioinspired, Biomimetic and Nanobiomaterials*. <https://doi.org/10.1680/jbibn.18.00026>. (I. F-1.291).
47. Balakrishnan, S., **P. Santhanam**, Tudu Prasad Chandra Kumar, J.S. Yogesh, Mohapatra Anil., 2019. Mutualistic interactions of polychaete, barnacles, mollusca and sea anemone with hermit crab. *Indian Journal of Geo-Marine Sciences*, 48 (03): 286-287. (I. F-0.301). (I. F-0.496).
48. Balakrishnan, S., **P. Santhanam**, S. Jeyanthi, M. Divya and M. Srinivasan, 2019. Preliminary Screening of halophilic microalgae collected from different Salt Pans of Tuticorin, Southeast coast of India. *Proceedings of the Zoological Society*. 72 (1): 90-96. (I.F-0.70).
49. Muralisankar, T., P. SaravanaBhavan, S. Radakrishnan and **P. Santhanam**., 2019. Influence of two different dietary zinc sources in freshwater prawn *Macrobrachium rosenbergii* post larvae. *Journal of Oceanology and Limnology*. 37 (1): 290-299 (I. F-1.265).
50. Pachiappan Perumal, Chandrasekaran Rajthilak, **Perumal Santhanam**, Manickam Raja, Thodhal Yoganandham Suman and Govindasamy Balasubramani., 2019. Cladistic phylogeny of Calanoid copepods (Crustacea: Arthropoda) using 18S rRNA gene. *Research Journal of Biotechnology*, 14 (3): 79-87 (I.F-0.29).
51. Dinesh Kumar, S., S. Ananth, **P. Santhanam**, A. Parveez Ahamed and N. Thajuddin., 2018. Effect of photoperiod (PP) and photosynthetic photon flux intensity (PPFI) on nutrients consumption, growth and lipid profile of unusual microalga *Picochlorum maculatum* (PSDK01) in shrimp culture effluent–A dual approach. *Indian Journal of Experimental Biology*, 57: 105-115 (I.F-0.818).
52. Sasirekha Rajendran, Thankaraj Salammal Sheena, Sathya Deepika Murugesan, **Santhanam Perumal**, Helen E Townley, K. Jeganathan, Dinesh Kumar Sundarrajan and Premkumar Kumpati, 2018. Surface engineered *Amphora subtropica* frustules using chitosan as a drug delivery platform for anticancer therapy. *Materials Science & Engineering C*, C94: 56-64 (I. F-7.328).
53. Balasubramani, G., Arul, D., Kamaraj, C., Deepak, P., Aiswarya, D., Jothimani, K., **Santhanam, P.** and Perumal, P., 2018. Comparative extraction of *Salmonella bongori* derived metabolites and their toxicity on bacterial pathogens, mosquito-larvae, zebrafish-embryo and brine-shrimp: a modified approach. *Ecotoxicology and Environmental Safety*, 169: 192-206 ((I. F-6.291).
54. Srinivasan Balakrishnan, **Perumal Santhanam** and Muthukumarasamy Srinivasan, 2018. Element concentrations in marine macroalgae of Tuticorin coastal waters, Southeast coast of India, *Indian Journal of Geo-Marine Sciences*, 47 (06): 1307-1315. (I. F-0.496).

55. Nithya, P., B. Dhanalakshmi, **P. Santhanam** and S. Dinesh Kumar, 2018. Premonsoon and monsoon seasonal changes in Physico-chemical characteristics of Chinnamuttom and Colachel harbor waters, Southeast coast of India. *Indian Journal of Geo-Marine Sciences*, 47 (1): 193-199 (I. F-0.496).
56. Vairavan Girija, Balasubramanian Malaikozhundan, Baskaralingam Vaseeharan, Sekar Vijayakumar, Narayanan Gopi, Marian Del Valle Herrera, Jiann-Chu Chen, **Perumal Santhanam**, 2018. In vitro antagonistic activity and the protective effect of probiotic *Bacillus licheniformis* Dahb1 in zebrafish challenged with GFP tagged *Vibrio parahaemolyticus* Dahv2. *Microbial Pathogenesis*. 114: 274-280 (I. F-3.738).
57. Ramalingam Vaikundamoorthy, Rajaram Rajendran, Ananth Selvaraju, Kaviyarasan Moorthy and **Santhanam Perumal**, 2018. Development of thermostable amylase enzyme from *Bacillus cereus* for potential antibiofilm activity, *Bioorganic Chemistry*, 77: 494-506 (I. F-5.275).
58. Rajendran Viji, Nirmaladevi D. Shrinithiviahshinia, Rajendran Ranjeetha, **Perumal Santhanam**, Palani Swamy Ram Narayanan and Srinivasan Balakrishnan, 2018. Assessment of environmental parameters with special emphasis on avifaunal breeding season in the coastal wetland of Point Calimere Wildlife Sanctuary, Southeast coast of India. *Marine Pollution Bulletin*, 131: 233-238 (IF: 5.553).
59. Anandan Ranjani, Ponnusamy Manogaran Gopinath, Selvaraju Ananth, Ganesan Narchonai, **Perumal Santhanam**, Nooruddin Thajuddin and Dharumadurai Dhanasekaran, 2018. Multidimensional dose-response toxicity exploration of silver nanoparticles from *Nocardiosis flavescens* RD30. *Applied Nanoscience*. 8, 699-713 (I. F- 3.674).
60. Dinesh Kumar, S., Kwang-Min Ro, **P. Santhanam**, B. Dhanalakshmi, S. Latha, Mi-Kyung Kim, 2018. Initial population density plays a vital role to enhance biodiesel productivity of *Tetraselmis* sp. under reciprocal nitrogen concentration. *Bioresource Technology Reports*, 3: 15-21. (CS-3.8).
61. Muralisankar, T., P. Saravana Bhavan., **P. Santhanam** and S. Radhakrishnan., 2016. Dietary supplementation of medicinal herbal leaf powder on growth performance, digestive enzymes activities, energy utilization and vitamin levels of the freshwater prawn *Macrobrachium rosenbergii*. *Proceedings of the Zoological Society*, 71(3):265-271. (I. F-0.70).
62. Dinesh Kumar, S., Kang Sojin, **P. Santhanam**, B. Dhanalakshmi, S. Latha and Mi-Kyung Kim, 2018. Triggering of fatty acids on *Tetraselmis* sp. by ethyl methane sulfonate mutagenic treatment. *Bioresource Technology Reports*, 2: 21-28. (CS-3.8).
63. Manickam, N., P. S. Bhavan, **P. Santhanam**, R. Bhuvaneswari, T. Muralisankar, V. Srinivasan, A. Asaikkutti, G. Rajkumar, R. Udayasuriyan and M. Karthik, 2018. Impact of seasonal changes in zooplankton biodiversity in Ukkadam Lake, Coimbatore, Tamil Nadu, India, and potential future implications of climate change. *The Journal of Basic and Applied Zoology*. 79:15; <https://doi.org/10.1186/s41936-018-0029-3>.
64. Balakrishnan, S., **P. Santhanam**, S. Jeyanthi, M. Divya and M. Srinivasan, 2018. Preliminary screening of halophilic microalgae collected from different salt pans of Tuticorin, Southeast coast of India. *Proceedings of the Zoological Society*, <https://doi.org/10.1007/s12595-018-0264-0>. (I. F-1.545). (I. F-0.70).
65. Dinesh Kumar, S., **P. Santhanam**, P. Prabhavathi, B. Kanimozhi, M. Abirami, Min S. Park and Mi-Kyung Kim, 2018. Optimal conditions for the treatment of shrimp culture effluent using immobilized marine microalga *Picochlorum maculatum* (PSDK01). *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*, 88, 1177-1185 (I. F-0.396). (I. F- 0.96).

66. Manickam, N., P. S. Bhavan and **P. Santhanam**, 2017. Evaluation of nutritional profiles of wild mixed zooplankton in Sulur and Ukkadam Lakes of Coimbatore, South India. *Turkish Journal of Fisheries and Aquatic Sciences*. 17: 509-517 (I. F-1.264).
67. Revathi, S., S. Madhan Kumar, **P. Santhanam**, S. Dinesh Kumar, Nankyung Son and Mi-Kyung Kim, 2017. Bioremoval of the indigo blue dye by immobilized microalga *Chlorella vulgaris* (PSBDU06). *Journal of Scientific & Industrial Research*, 76 (1): 50-56. (I. F-1.056).
68. **Santhanam, P.**, S. Dinesh Kumar, S. Ananth, S. Jeyanthi, R. Sasirekha and C. Premkumar. 2017. Effect of culture conditions on growth and lipid content of marine microalga *Nannochloropsis* sp. strain (PSDK11). *Indian Journal of Geo-Marine Sciences*, 46: 2332-2338. (I. F-0.301). (I. F-0.496).
69. Jayalakshmi, T., N. Manoharan, **P. Santhanam**, S. Ananth, S. Dinesh Kumar, R. Nandakumar and M. Kaviyarasan., 2017. Water quality and proximate composition of zooplankton of Muthukkuda coast of Palk Bay, Southeastern India. *Journal of Marine Biological Association of India*, 59 (1): 28-33. (NAAS IF-5.40).
70. Jeyanthi, S., **P. Santhanam** and A Shenbaga Devi., 2016. Halophilic Benthic Diatom *Amphora coffeaeformis*-A potent biomarker for lipid and biomedical application. *Indian Journal of Experimental Biology*. 56, 698-701 (I.F-0.818).
71. Rajthilak, C., P. Perumal, **P. Santhanam**, R. Nandakumar and S. Ananth., 2016. Spatial and temporal distributions of calanoid copepods (Crustacea; Arthropoda) along the Tamil Nadu coast (Southeast India), *Indian Journal of Geo-Marine Sciences*, 45 (11): 1578-1583 (I. F-0.301). (I. F-0.496).
72. Mohan, K., A.M. Padmanaban, V. Uthayakumar, R. Chandirasekar, T. Muralisankar and **P. Santhanam.**, 2016. Effect of dietary *Ganoderma lucidum* polysaccharides on biological and physiological responses of the giant freshwater prawn *Macrobrachium rosenbergii*. *Aquaculture*, 464, 42-49 (I. F-4.242).
73. Dinesh Kumar, S., **P. Santhanam**, S. Ananth, M. Kaviyarasan, P. Nithya, B. Dhanalakshmi, Min S. Park and Mi-Kyung Kim. 2016. Evaluation of suitability of wastewater grown microalgae (*Picochlorum maculatum*) and copepod (*Oithona rigida*) as live feed for white leg shrimp *Litopenaeus vannamei* post larvae. *Aquaculture International*, 25, 393-411 (I. F-2.235).
74. Dinesh Kumar, S., **P. Santhanam**, R. Nandakumar, S. Ananth, P. Nithya, B. Dhanalakshmi and Mi-Kyung Kim. 2016. Bioremediation of shrimp (*Litopenaeus vannamei*) cultured effluent using copepod (*Oithona rigida*) and microalgae (*Picochlorum maculatum* & *Amphora* sp.)-An integrated approach. *Desalination and Water Treatment*. 57, 26257-26266 (I. F-1.383).
75. Rajendran, P., S. Karthik Sundaram., P. Prabhavathi., B. V. Sridevi., S. Dinesh Kumar and **P. Santhanam.**, 2016. Bioremediation of azo dye containing textile effluent using adapted bacterial strains under subsequent microaerophilic-Aerobic conditions. *Journal of Scientific and Industrial Research*, 75: 124-130 (I. F-1.056).
76. Balakrishnan, S., **P. Santhanam** and M. Srinivasan., 2016. Larvicidal potency of marine actinobacteria isolated from mangrove environment against *Aedes aegypti* and *Anopheles stephensi*. *Journal of Parasitic Disease*, DOI 10.1007/s12639-016-0812-3.
77. Balakrishnan, S., M. Srinivasan and **P. Santhanam.**, 2016. Insect fauna of Pitchavaram and Parangipettai mangroves of Southeast coast of India. *Proceedings of the Zoological Society*. DOI 10.1007/s12595-016-0182-y. (I. F-0.70).

78. Srinivasan Balakrishnan, Muthukumarasamy Srinivasan and **Perumal Santhanam**, 2016. Interactions of nutrients, plant growth and herbivory in a Parangipettai mangrove ecosystem of the Vellar estuary, Southeast coast of India, *Regional Studies in Marine Science*, 5: 19-26. (I. F-1.624).
79. Dinesh Kumar, S., **P. Santhanam**, T. Jayalakshmi, R. Nandakumar, S. Ananth, A. Shenbaga Devi and B. Balaji Prasath., 2015. Excessive nutrients and heavy metals removal from diverse wastewaters using marine microalga *Chlorella marina* (Butcher). *Indian Journal of Geo-Marine Sciences*. Vol. 44(1): 97-103 (I. F-0.301). (I. F-0.496).
80. Muralisankar, T., P. Saravana Bhavan, S. Radhakrishnan, C. Seenivasan, V. Srinivasan and **P. Santhanam**, 2015. Effects of dietary zinc on the growth, digestive enzyme activities, muscle biochemical compositions, and antioxidant status of the giant freshwater prawn *Macrobrachium rosenbergii*. *Aquaculture*, 448: 98-104 (I. F-4.242).
81. R. Rajendran, P. Prabhavathi, S. Karthiksundaram, S. Pattabi, S. Dinesh Kumar and **P. Santhanam**, 2015. Biodecolorization and bioremediation of denim industrial wastewater by adapted bacterial consortium immobilized on inert polyurethane foam (PUF) matrix: A first approach with biobarrier model. *Polish Journal of Microbiology*, 64 (4): 339-348 (I. F-1.280).
82. Muralisankar, T., P. SaravanaBhavan, S. Radhakrishnan and **P. Santhanam**, 2015. Growth performance, muscle biochemical constituents, amino acid and fatty acid compositions of the giant freshwater prawn, *Macrobrachium rosenbergii* fed with herbs incorporated diet. *Aquaculture Nutrition*, 23, 766-776 (I. F-3.497).
83. **Santhanam, P.**, K. Jothiraj., N. Jeyaraj., S. Jeyanthi., A. Shenbaga Devi and S. Ananth., 2015. Effect of monoalgal diet on the growth, survival and egg production in *Nannocalanus minor* (Copepoda: Calanoida). *Indian Journal of Geo-Marine Sciences*, 44 (10): 1579-1584 (I. F-0.496).
84. Jeyanthi, S., **P. Santhanam**, A. Shenbaga Devi., A. Balamurugan., S. Dinesh Kumar and B. Balaji Prasath., 2015. Laboratory mesocosm studies on the response and potential effects of marine diatom *Nitzschia* sp. to ocean acidification. *Indian Journal of Geo-Marine Sciences*, 44 (10): 1559-1567 (I. F-0.496).
85. Nandakumar, R., B. Balaji Prasath., **P. Santhanam**, S. Ananth., T. Jayalakshmi., S. Dinesh Kumar, M. Kaviyarasan and A. Shenbaga Devi., 2015. Optimization of culture conditions for marine copepod *Macrosetella gracilis* (Dana, 1847) with emphasis on salinity and diets. *Indian Journal of Geo-Marine Sciences*, 44 (10): 1521-1527 (I. F-0.496).
86. Rajthilak, C., **P. Santhanam**, M. Raja, T. Y. Suman, S. Radhika Rajasree, R. Ramkumar and P. Perumal., 2015. First distributional record of *Nitokra affinis* Gurney, 1927 (Copepoda: Harpacticoida: Ameiridae) from Vellar estuary (south-east India): structural and molecular evidence. *Marine Biodiversity Records*, doi: 10.1017/S1755267215000391; 1-9. (I. F-0.354).
87. Sri Sakthi Priyadarshini, R., P. K. Karuppasamy., **P. Santhanam** and N. Ramamoorthy., 2015. Nutritional composition of penaeidean shrimps along Tamil Nadu, Southeast coast of India. *Journal of Marine Biological Association of India*. 57 (2): 46-51. (NAAS IF-5.40).
88. Dineshkumar, S., **P. Santhanam**, F. Lewis-Oscar and N. Thajuddin., 2014. A dual role of marine microalga *Chlorella* sp. (PSDK01) in aquaculture effluent with emphasis on Initial Population Density. *The Arabian Journal for Science and Engineering*. *Arabian Journal Science and Engineering*, 40, 29-35. (I. F-2.334).

89. Renu Sankar., Barathan Balaji Prasath., Ravichandran Nadakumar., **Perumal Santhanam.**, Kanchi Subramanian Shivashangari and Vilvanathan Ravikumar., 2014. Growth inhibition of bloom forming cyanobacterium *Microcystis aeruginosa* by green route fabricated copper oxide nanoparticles. *Environmental Science and Pollution Research*. 21, 14232-14240 (I. F-4.223).
90. Chinnaraja, V., **P. Santhanam** and S. Dinesh Kumar., 2014. Impact of Thane cyclone on the heavy metal distribution in water, sediment, plankton and fish (*Mugil cephalus*) in selected areas along the Tamil Nadu, Southeast coast of India. *Indian Journal of Geo-Marine Sciences*, 44 (10): 1613-1621 (I. F-0.496).
91. Dinesh Kumar, S, S. Ananth, **P. Santhanam**, K. Kalesh Kumar and R. Rajaram, 2014. First record of marine phytoplankton, *Picochlorum maculatum* in the Southeastern coast of India. *Indian Journal of Geo-Marine Sciences*. 46 (4): 791-796 (I. F-0.496).
92. Ramalingam, V., R. Rajaram, C. Premkumar, **P. Santhanam**, S. Dinesh, S. Vinoth and K. Kaleshkumar., 2014. Biosynthesis of silver nanoparticles from deep sea bacterium *Pseudomonas aeruginosa* JQ989348 for antimicrobial, antibiofilm and cytotoxic activity. *Journal of Basic Microbiology*, 54(9):928-36 (I. F- 2.281).
93. Jayanthi, V, R. Geetha, R. Rajendran, P. Prabhavathi, S. KarthikSundaram, S. Dinesh Kumar and **P. Santhanam**, 2014. Phytoremediation of dye contaminated soil by *Leucaena leucocephala* (subabul) seed and growth assessment of *Vigna radiata* in the remediated soil. *Saudi Journal of Biological Sciences*. 21; 324-333 (I.F-4.219).
94. Balaji Prasath, B., R. Nandakumar., T. Jayalakshmi and **P. Santhanam.**, 2014. First report on the intense cyanobacteria *Microcystis aeruginosa* Kützing, 1846 bloom at Muttukkadu Backwater, Southeast coast of India., *Indian Journal of Geo-Marine Sciences*. 43 (2): 258-262 (I. F-0.496).
95. Viji, S., M. Anbazhagi., N. Ponpandian., D. Mangalaraj., S. Jeyanthi., **P. Santhanam.**, A. Shenbaga Devi and C. Viswanathan, 2014. Diatom-Based Label-Free Optical Biosensor for Biomolecules. *Applied Biochemistry and Biotechnology*. 174, 1166-1173 (I. F-2.926).
96. Karuppasamy, P. K., Sri Sakthi Priyadarshini, R., N. Ramamoorthy, T. Jayalakshmi and **P. Santhanam.**, 2014. Comparison of proximate, amino and fatty acid composition of *Penaeus monodon* (Fabricius 1798), *Fenneropenaeus indicus* (H. Milne Edwards 1837) and *Aristeus virilis* (Bat 1881) of Nagappattinam landing centre, Tamil Nadu. *Journal of the Marine Biological Association of India*. doi: 10.6024/jmbai.2013.55.2.01783-0x. (NAAS IF-5.40).
97. Dinesh Kumar, S., **P. Santhanam.**, R. Nandakumar., S. Ananth., B. Balaji Prasath. A. Shenbaga Devi., S. Jeyanthi., T. Jayalakshmi and P. Ananthi, 2014. Preliminary study on the dye removal efficacy of immobilized marine and freshwater microalgal beads from Textile wastewater. *African Journal of Biotechnology*. 13 (22); 2288-2294.
98. **Santhanam, P.**, N. Jeyaraj and K. Jothiraj., 2013. Effect of temperature and algal food on egg production and hatching of copepod, *Paracalanus parvus* (Claus). *Journal of Environmental Biology* 34: 243-246 (I. F-0.781).
99. **Santhanam, P.** and P. Perumal., 2013. Developmental biology of brackishwater copepod *Oithona rigida* Giesbrecht: A laboratory investigation, *Indian Journal of Geo-Marine Sciences*, 42 (2): 236-243. (I. F-0.496).

100. Balaji Prasath, B., R. Nandakumar, S. Dinesh kumar, S. Ananth, A. Shenbaga Devi, T. Jayalakshmi, P. Raju, M. Thiagarajan and **P. Santhanam**, 2013. Seasonal variations in physico-chemical characteristics of pond and ground waters of Tiruchirappalli, India. *Journal of Environmental Biology*, 34: 529-537. (I. F-0.781).
101. R. Rajendran, P. Prabhavathi, S. Karthiksundaram, S. Pattabi, S. Dinesh Kumar and **P. Santhanam**, 2013. Enhanced bioremediation efficiency of denim industrial effluent using bacterial biofilm onto polyurethane foam matrix as bio-barrier model: A review. *Applied Biochemistry and Microbiology*, 50 (6): 554-562 (I. F-0.886).
102. Rekha, V., R. Gurusamy, **P. Santhanam**, A. Shenbaga Devi and S. Ananth, 2012. Culture and biofuel production efficiency of marine microalgae *Chlorella marina* and *Skeletonema costatum*. *Indian Journal of Geo-Marine Sciences*, 41: 152-158. (I. F-0.496).
103. **Santhanam, P.** and P. Perumal, 2012. Evaluation of the marine copepod *Oithona rigida* Giesbrecht as live feed for larviculture of Asian seabass *Lates calcarifer* Bloch with special reference to nutritional value. *Indian Journal of Fisheries*. 59 (2): 127-134. (I. F-0.50).
104. **Santhanam, P.** and P. Perumal, 2012. Effect of temperature, salinity and algal food concentration on population density, growth and survival of marine copepod *Oithona rigida* Giesbrecht. *Indian Journal of Geo-Marine Sciences*, 41 (4): 369-376. (I. F-0.496).
105. **Santhanam, P.**, P. Perumal, S. Ananth and A. Shenbaga Devi, 2012. Copepod population in Vellar estuary, Parangipettai coast in relation to environmental conditions. *Journal of Environmental Biology*. 33: 1003-1010. (I. F-0.781).
106. **Santhanam, P.** and P. Perumal, 2012. Feeding, survival, egg production and hatching rate of the marine copepod *Oithona rigida* Giesbrecht (Copepoda: Cyclopoida) under experimental conditions. *Journal of Marine Biological Association of India*, 54 (1): 38-44. (NAAS IF-5.40).
107. Perumal, P., M. Rajkumar and **P. Santhanam**, 2009. Biochemical composition of wild copepods, *Acartia spinicauda* and *Oithona similis*, from Parangipettai coastal waters in relation to environmental parameters. *Journal of Environmental Biology*, 30(6) 995-1005. (I. F-0.727). (I. F-0.781).
108. Perumal, P., **P. Santhanam** and M. Rajkumar, 2008. Population density of two copepods in relation to hydrographic parameters in Parangipettai coastal waters, Southeast coast of India. *Journal of Marine Biological Association of India*, 50(2): 1-5. (NAAS IF-5.40).
109. Thillai Rajasegar, K., P. Perumal and **P. Santhanam**, 2005. Phytoplankton diversity in the Coleroon Estuary, southeast coast of India, *Journal of Marine Biological Association of India*. 47 (2): 127-132. (NAAS IF-5.40).
110. **Santhanam, P.** and P. Perumal, 2003. Diversity of zooplankton in Parangipettai coastal waters, Southeast coast of India. *Journal of Marine Biological Association of India*, 45 (2): 144-151. (NAAS IF-5.40).

Chapters in Books/Proceedings/Manuals: (2013-2019)

111. **Santhanam, P.**, S. Dinesh Kumar, M. Divya, N. Krishnaveni, and P. Perumal, 2020. Microalgae: The functional food, feed and pollution mitigating tool. In: *Algae for Food Cultivation, Processing, and Nutritional Benefits* (Ed. Rathinam Raja et al.), CRC Press.
112. **Santhanam, P.**, S. Dinesh Kumar, M. Divya, N. Krishnaveni, and P. Perumal, 2020. Application of phyco-remediation techniques towards nutrients removal from wastewaters- Evaluation of adsorption and absorption methods. In: *Organic Pollutants-Toxicity and Solutions* (Ed. M. Vasanthi et al.). Springer Pub.
113. **Santhanam, P.**, S. Ananth, S. Dinesh Kumar, P. Raju, M. Kaviyaran, M. Divya, N. Krishnaveni, S. Balakrishnan, N. Manickam, T. Veeramani, T. Muralisankar and P. Perumal. 2020. Culture of different live fish food organisms. In: *Fish Nutrition and its Relevance to Human Health* (Ed. A.S. Ninawe et al.), Narendra Publishing House, New Delhi. (ISBN 978-93-89235-142), 333-365pp.
114. Perumal, P., **P. Santhanam**, A. Begum and B. Balaji Prasath. 2019. An introduction to plankton. *Basic and Applied Phytoplankton Biology*. Springer Pub., (ISBN 978-981-10-7937-5), 1-24pp.
115. **Santhanam, P.**, P. Perumal and A. Begum, 2019. Methods of Collection, Preservation and Taxonomic Identification of Marine Phytoplankton. *Basic and Applied Phytoplankton Biology*. Springer Pub., (ISBN 978-981-10-7937-5), 25-61pp.
116. Jeyapandi, S., C. Rajthilak, **P. Santhanam**, A. Begum, S. Ravikumar, P. Perumal and S. U. Ahmed, 2019. Study on molecular taxonomy and phylogenetic analysis of phytoplankton. *Basic and Applied Phytoplankton Biology*. Springer Pub., (ISBN 978-981-10-7937-5), 63-76pp.
117. Muralisankar, T., **P. Santhanam**, S. Radhakrishnan and N. Manickam, 2019. Replacement of fishmeal with *Arthospira (Spirulina) platensis* and its use in freshwater prawn *Macrobrachium rosenbergii* juvenile production. *Basic and Applied Phytoplankton Biology*. Springer Pub., (ISBN 978-981-10-7937-5), 77-108pp.
118. Balakrishnan, S., **P. Santhanam**, N. Manickam and M. Srinivasan, 2019. A method of bio-efficacy potential of phytoplankton (microalgae) for the control of vector mosquitoes. *Basic and Applied Phytoplankton Biology*. Springer Pub., (ISBN 978-981-10-7937-5), 109-122pp.
119. Shenbaga Devi, A., **P. Santhanam**, S. Jeyanthi and N. Krishnaveni, 2019. Isolation, culture and application of marine microalga *Dunaliella salina* (Volvocales, Chlorophyceae) as an aqua feed additive. *Basic and Applied Phytoplankton Biology*. Springer Pub., (ISBN 978-981-10-7937-5), 123-163pp.
120. Jeyanthi, S and **P. Santhanam**, 2019. Strain selection and lipid characterization of marine diatoms with potential for biodiesel production. *Basic and Applied Phytoplankton Biology*. Springer Pub., (ISBN 978-981-10-7937-5), 163-176pp.
121. Divya, M and **P. Santhanam**, 2019. Bioremediation of wastewater using a novel method of microalgae immobilized on twin layer recirculation system. *Basic and Applied Phytoplankton Biology*. Springer Pub., (ISBN 978-981-10-7937-5), 177-190 pp.

122. Dinesh Kumar, S., **P. Santhanam** and F. Leena Grace Nancy, 2019. The techniques in microalgae bioremediation and algal co-product development. Basic and Applied Phytoplankton Biology. Springer Pub., (ISBN 978-981-10-7937-5), 191-210pp.
123. Balaji Prasath, B., **P. Santhanam**, R. Nandakumar and T. Jayalakshmi, 2019. Detection of cyanotoxins of cyanobacterial (*Microcystis aeruginosa*) strain using microtox® bioluminescence bioassay. Basic and Applied Phytoplankton Biology. Springer Pub., (ISBN 978-981-10-7937-5), 211-220.
124. Krishnaveni, N., A. Shenbaga Devi and **P. Santhanam**, 2019. A method of analysis of pigments in phytoplankton. Basic and Applied Phytoplankton Biology. Springer Pub., (ISBN 978-981-10-7937-5), 221-228pp.
125. Sasirekha, R and **P. Santhanam**, 2019. Surface bioengineering of diatom by amine and phosphate groups for efficient drug delivery. Basic and Applied Phytoplankton Biology. Springer Pub., (ISBN 978-981-10-7937-5), 229-238pp.
126. Bharatharathna, P and **P. Santhanam**, 2019. A study on the impact of acidification on morphometry, photosynthesis and biochemical composition of phytoplankton. Basic and Applied Phytoplankton Biology. Springer Pub., (ISBN 978-981-10-7937-5), 239-250pp.
127. Shenbaga Devi, A., **P. Santhanam**, S. Ananth and S. Dinesh Kumar, 2019. Distribution of Phytoplankton in Selected Salt Pans of Tamil Nadu, Southeast coast of India. Basic and Applied Phytoplankton Biology. Springer Pub., (ISBN 978-981-10-7937-5), 251-276pp.
128. Divya, M., S. Dinesh Kumar, N. Krishnaveni and **P. Santhanam**, 2019. A study of carbon sequestration by phytoplankton. Basic and Applied Phytoplankton Biology. Springer Pub., (ISBN 978-981-10-7937-5), 277-284pp.
129. Begum, A., S. U. Ahmed, S. Dinesh Kumar, M. Divya, **P. Santhanam** and P. Perumal, 2019. Mass scale culture and preparation of microalgal paste. Basic and Applied Phytoplankton Biology. Springer Pub., (ISBN 978-981-10-7937-5), 285-302pp.
130. Premkumar, C., M. Divya, N. Krishnaveni, **P. Santhanam**, and P. Perumal, 2019. An estimation of antimicrobial and antioxidant activity of microalgae. Basic and Applied Phytoplankton Biology. Springer Pub., (ISBN 978-981-10-7937-5), 303-314pp.
131. Premkumar, C., S. Dinesh Kumar., S. Ananth and **P. Santhanam**, 2019. A method of extraction, purification, characterization and application of bioactive compounds from phytoplankton. Basic and Applied Phytoplankton Biology. Springer Pub., (ISBN 978-981-10-7937-5), 315-322pp.
132. Balaji Prasath, B., **P. Santhanam**, R. Nandakumar and T. Jayalakshmi, 2019. Potential harmful microalgae in Muttukkadu Backwater, Southeast coast of India. Basic and Applied Phytoplankton Biology. Springer Pub., (ISBN 978-981-10-7937-5), 323-336pp.
133. **Santhanam, P.**, P. Perumal and A. Begum, 2019. A method of collection, preservation and identification of marine zooplankton. Basic and Applied Zooplankton Biology. Springer Pub., (ISBN 978-981-10-7952-8), 1-44pp.
134. **Santhanam, P.**, N. Jeyaraj, J. Sivakumar, K. Jothiraj, S. Dinesh Kumar and S. Ananth, 2019. Seasonal composition and diversity of zooplankton from Muthupet mangrove wetland ecosystem, Southeast coast of India. Basic and Applied Zooplankton Biology. Springer Pub., (ISBN 978-981-10-7952-8), 45-86pp.

135. Rajthilak, C., **P. Santhanam**, P. Perumal, T. Veeramani and S. Ravikumar, 2019. DNA barcoding of copepods. Basic and Applied Zooplankton Biology. Springer Pub., (ISBN 978-981-10-7952-8), 87-126pp.
136. Balakrishnan, S., **P. Santhanam**, N. Manickam and M. Srinivasan, 2019. A method of bio-efficacy potential of zooplankton (Copepod) for the control of vector mosquitoes. Basic and Applied Zooplankton Biology. Springer Pub., (ISBN 978-981-10-7952-8), 127-138pp.
137. Manickam, N., **P. Santhanam** and P. Saravana Bhavan, 2019. Techniques in collection, preservation and morphological identification of freshwater zooplankton. Basic and Applied Zooplankton Biology. Springer Pub., (ISBN 978-981-10-7952-8), 139-196pp.
138. Kaviyarasan, M and **P. Santhanam**, 2019. A technique on the culture and preservation of marine copepod eggs. Basic and Applied Zooplankton Biology. Springer Pub., (ISBN 978-981-10-7952-8), 197-208pp.
139. Veeramani, T., **P. Santhanam**, N. Manickam and C. Rajthilak, 2019. Introduction to *Artemia* culture. Basic and Applied Zooplankton Biology. Springer Pub., (ISBN 978-981-10-7952-8), 209-224pp.
140. Jothiraj, K and **P. Santhanam**, 2019. An optimization of culture conditions on *Nannocalanus minor* (Copepoda: Calanoida). Basic and Applied Zooplankton Biology. Springer Pub., (ISBN 978-981-10-7952-8), 225-246pp.
141. Jayalakshmi, T and **P. Santhanam**, 2019. A method of estimation of enzymatic activity of copepods. Basic and Applied Zooplankton Biology. Springer Pub., (ISBN 978-981-10-7952-8), 247-256pp.
142. Nandakumar, R and **P. Santhanam**, 2019. A study on assessing the feeding, survival, fecundity and post embryonic development of zooplankton *Nitocra affinis* (Copepoda: Harpacticoida). Basic and Applied Zooplankton Biology. Springer Pub., (ISBN 978-981-10-7952-8), 257-276pp.
143. **Santhanam, P.**, N. Jeyaraj, K. Jothiraj, S. Ananth, S. Dinesh Kumar and P. Perumal, 2019. Evaluation of suitability of marine copepods as an alternative live feed in high health fish larval production. Basic and Applied Zooplankton Biology. Springer Pub., (ISBN 978-981-10-7952-8), 277-292pp.
144. **Santhanam, P.**, N. Jeyaraj, K. Jothiraj, S. Ananth, S. Dinesh Kumar and P. Perumal, 2019. Assessing the efficacy of marine copepods as an alternative first feed for diseases resistant shrimp larval production. Basic and Applied Zooplankton Biology. Springer Pub., (ISBN 978-981-10-7952-8), 293-304pp.
145. **Santhanam, P.**, S. Ananth, S. Dinesh Kumar and P. Perumal, 2019. Biofloc-Copefloc: A novel technology towards the sustainable shrimp production. Basic and Applied Zooplankton Biology. Springer Pub., (ISBN 978-981-10-7952-8), 305-314pp.
146. Manickam, N., **P. Santhanam**, S. Balakrishnan, T. Muralisankar, T. Veeramani, A. Shenbaga Devi and P. Saravana Bhavan, 2019. A method of bioenrichment of plankton. Basic and Applied Zooplankton Biology. Springer Pub., (ISBN 978-981-10-7952-8), 315-328pp.
147. Ananth, S and **P. Santhanam**, 2019. Intensive culture, biochemical composition analysis and use of zooplankton *Tisbe* sp. (Copepoda: Harpacticoida) as an alternative live feed for shrimp larviculture. Basic and Applied Zooplankton Biology. Springer Pub., (ISBN 978-981-10-7952-8), 329-362pp.

148. Kaviyarasan, M., S. Ananth, **P. Santhanam** and P. Perumal, 2019. A method of analysis of pigments in copepods. Basic and Applied Zooplankton Biology. Springer Pub., (ISBN 978-981-10-7952-8), 363-366pp.
149. **Santhanam, P.**, S. Ananth, S. Dinesh Kumar, R. Sasirekha, C. Premkumar, S. Jeyanthi and A. Shenbaga Devi, 2019. An intensive culture techniques of marine copepod *Oithona rigida* (*Dioithona rigida*) Giesbrecht. Basic and Applied Zooplankton Biology. Springer Pub., (ISBN 978-981-10-7952-8), 367-394pp.
150. Jayalakshmi, T and **P. Santhanam**, 2019. A microcosm study on the impact of acidification on feeding, survival, nauplii production rate, post embryonic development and nutritional composition of marine copepod. Basic and Applied Zooplankton Biology. Springer Pub., (ISBN 978-981-10-7952-8), 395-428pp.
151. Raju, P., S. Gunabal and **P. Santhanam**, 2019. Impact of microplastic on copepods. Basic and Applied Zooplankton Biology. Springer Pub., (ISBN 978-981-10-7952-8), 429-442pp.
152. **Santhanam, P.**, P. Raju, S. Ananth, C. Rajthilak, S. Jeyapandi, T. Jayalakshmi, M. Kaviyarasan, N. Manickam, S. Gunabal, S. Dinehs Kumar and P. Perumal, 2018. Morphological and molecular characterization of some common marine planktonic copepods. International Workshop Manual on Modern Techniques for Molecular and Morphological Characterizations of Crustaceans. ISBN 978-81-925094-4-0. 71-100 pp.
153. **Santhanam, P.**, P. Perumal and A. R. Thirunavukkarasu, 2018. Introduction to Marine Copepods. In: Training Manual on Taxonomic Identification of Coastal and Oceanic Copepods (Ed. P. Santhanam), (ISBN: 978-93-87354-17-3), Jami Publ., Trichy-23. 7-9pp.
154. **Santhanam, P.**, S. Ananth, S. Dinesh Kumar, M. Kaviyarasan, P. Raju, N. Manickam and S. Gunabal, 2018. Methods of Collection of Marine Copepods. In: Training Manual on Taxonomic Identification of Coastal and Oceanic Copepods (Ed. P. Santhanam), (ISBN: 978-93-87354-17-3), Jami Publ., Trichy-23. 10-12pp.
155. **Santhanam, P.**, P. Raju, M. Kaviyarasan, S. Ananth, S. Dinesh Kumar, N. Manickam and S. Gunabal, 2018. Techniques in Fixation and Preservation of Marine Copepods. In: Training Manual on Taxonomic Identification of Coastal and Oceanic Copepods (Ed. P. Santhanam), (ISBN: 978-93-87354-17-3), Jami Publ., Trichy-23. 13-14pp.
156. **Santhanam, P.**, P. Raju, S. Ananth, S. Dinesh Kumar, M. Kaviyarasan, N. Manickam and S. Gunabal, 2018. Bottling and Labelling of Marine Copepods. In: Training Manual on Taxonomic Identification of Coastal and Oceanic Copepods (Ed. P. Santhanam), (ISBN: 978-93-87354-17-3), Jami Publ., Trichy-23. 15pp.
157. **Santhanam, P.**, N. Manickam, P. Raju, S. Ananth, S. Dinesh Kumar, M. Kaviyarasan and S. Gunabal, 2018. Methods of mounting of marine copepods. In: Training Manual on Taxonomic Identification of Coastal and Oceanic Copepods (Ed. P. Santhanam), (ISBN: 978-93-87354-17-3), Jami Publ., Trichy-23. 16-17pp.
158. **Santhanam, P.**, S. Dinesh Kumar, S. Ananth, M. Kaviyarasan, P. Raju, N. Manickam and S. Gunabal, 2018. Camera Lucida drawings of marine copepods. In: Training Manual on Taxonomic Identification of Coastal and Oceanic Copepods (Ed. P. Santhanam), (ISBN: 978-93-87354-17-3), Jami Publ., Trichy-23. 20pp.

159. **Santhanam, P.**, P. Raju, S. Ananth, M. Kaviyarasan, S. Dinesh Kumar, S. Gunabal and N. Manickam, 2018. Morphological Taxonomy of Coastal and Marine Copepods. In: Training Manual on Taxonomic Identification of Coastal and Oceanic Copepods (Ed. P. Santhanam), (ISBN: 978-93-87354-17-3), Jami Publ., Trichy-23.21-50pp.
160. Jeyapandi, S., C. Rajthilak, S. Mugilvannan, P. Raju, N. Krishnaveni, **P. Santhanam** and C. Premkumar. 2018. Molecular Taxonomy of Coastal and Marine Copepods. In: Training Manual on Taxonomic Identification of Coastal and Oceanic Copepods (Ed. P. Santhanam), (ISBN: 978-93-87354-17-3), Jami Publ., Trichy-23. 51-67 pp.
161. **Santhanam, P.**, S. Ananth., R. Nandakumar., T. Jayalakshmi., M. Kaviyarasan and P. Perumal., 2015. Intensive indoor and outdoor pilot scale culture of marine copepods. *Advances in Marine and Brackishwater Aquaculture*. Springer Pub., (ISBN: 978-81-3222270-5), pp 33-42.
162. Perumal, P., B. Balaji Prasath., **P. Santhanam.**, A. Shenbaga Devi., S. Dineshkumar and S. Jeyanthi., 2015. Isolation and intensive culture of marine microalgae. *Advances in Marine and Brackishwater Aquaculture*. Springer Pub., (ISBN: 978-81-3222270-5), pp 1-15.
163. Ganesh, K., Y. C. Thampi Sam Raj, **P. Santhanam**, S. Pandiarajan and S. Arulraj., 2015. Breeding, larval rearing and farming of mangrove crab, *Scylla serrata* (Forskal, 1775). *Advances in Marine and Brackishwater Aquaculture*. Springer Pub., (ISBN: 978-81-3222270-5), pp 163-172.
164. **Santhanam, P.**, N. Jeyaraj., K. Jothiraj., S. Ananth., R. Nandakumar., T. Jayalakshmi., S. Dinesh Kumar., A. Shenbaga Devi., S. Jeyanthi and M. Kaviyarasan., 2014. Intensive culture and application of marine copepods for larval rearing of marine fin fish and shell fish. Course manual on Summer School on Technological Advancements in the seed production of marine finfish and shellfish. CMFRI Publications. 68-79.
165. **Santhanam, P.**, N. Jeyaraj., J. Sivakumar., K. Jothiraj., T. Jayalakshmi., S. Ananth., R. Nandakumar., A. Shenbaga Devi., B. Balaji Prasath and S. Dinesh Kumar., 2013. Diversity and abundance of marine copepods in Muthupet mangrove waters, Southeast coast of India. *Ecology and Conservation of Tropical Marine Faunal Communities*. Springer Pub., 117-136 pp.
166. **Santhanam, P.**, N. Jeyaraj., K. Jothiraj., R. Nandakumar., S. Ananth., T. Jayalakshmi., A. Shenbaga Devi and S. Dinesh Kumar., 2013. Biology, culture and suitability of marine copepods as live feed for larval rearing of Asian seabass *Lates calcarifer*. Training Manual on Seed Production Technology of Asian Seabass (*Lates calcarifer*). CIBA Pub., 54-62 pp.

Popular Articles in Magazines/Newsletters: (2005-2020)

167. **Santhanam, P.** and P. Perumal, 2005. Marine copepods-The Living Capsules. *Seshaiyana*, Vol, 13 No (I): 6-8.
168. Perumal, P., **P. Santhanam**, S. Vijayaragavan and M. Rajkumar, 2005. Tsunami impacts on the Tamil Nadu coast, *Wave in Bay* (Impact of tsunami on coastal resources), ENVIS Publication Series 3/2005, 16-19.
169. **Santhanam, P.**, 2019. Copepods: A Felicitous Live Feed for Sustainable Aquaculture. In: *MEDC Economic Digest, Sustainable Fisheries*, Vol. II, No (1): 9-12.
170. **Santhanam, P.**, N. Jeyaraj, K. Jothiraj, R. Nandakumar, S. Ananth, S. Dinesh Kumar, M. Kaviyarasan, P. Raju, and P. Perumal. **2020**. Mass culture of Marine Copepods-An approach for sustainable aquaculture. *Aquaculture Spectrum*. Vol. 3. Issue (8-9): 21-35.

