

## BIO-DATA

**Dr. C. PARTHIBAN, M.Sc., Ph.D.,**

**Assistant Professor**

**PG and Research Department of Zoology**

**V.O. Chidambaram College**

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### OBJECTIVE

To explore my research knowledge and to build my career in a progressive research institute that offers opportunities to utilize my analytical skills and creativity to perform research work in the field of biological sciences.

### EDUCATIONAL QUALIFICATIONS

- **Ph.D., - Marine Biology and Oceanography** awarded in **2015**, at Centre of Advanced Study in Marine Biology, Annamalai University, Parangipettai.

**Thesis Title:**

Distribution and biomass of drift seaweeds from southeast coast of Tamil Nadu, India and their evaluation of seaweed liquid fertilizer potential

- **M. Sc., - Marine Biology and Oceanography (Equivalents to Zoology)** passed in **2010** in Centre of Advanced Study in Marine Biology, Annamalai University, Parangipettai, Chidambaram.

**Thesis Title:**

Distribution, Biomass and Antioxidant Activities of Some Selected Seaweeds from Tuticorin Coast

- **B. Sc., (Zoology)** passed in **2007** in V. O. Chidambaram College, Tuticorin.

### AREAS OF RESEARCH

- Marine Algae (Seaweeds and Phytoplankton) – Taxonomy and Culture Technique.
- Bio fertilizer – Seaweed liquid fertilizer and Marine trash fish fertilizer.
- Value added product from seaweeds.
- Bioactive compounds from marine algae.
- Tissue culture technique.

## RESEARCH EXPERIENCE

Designation	Organization	Funding Agency	Title of the Project	Period
<b>Post Doctoral Fellow (NPDF)</b>	Department of Biotechnology, Alagappa University, Karaikudi	Science and Engineering Research Board, Department of Science and Technology	Biofertilizer and Biopesticides production from marine waste and their efficiency of plant growth regulators	4 <sup>th</sup> May 2016 to 3 <sup>rd</sup> May 2018
<b>Senior Research Fellow</b>	National Centre for Sustainable Coastal Management (NCSCM) Chennai	Ministry of Environment Forest and Climate Change. Govt. of India.	Coastal and Marine Diversity Integration Network (CoMBINE)	1 <sup>st</sup> January 2014 to 15 <sup>th</sup> April 2016
<b>Junior Research Fellow</b>	CAS in Marine Biology, Annamalai University, Chidambaram.	Centre for Marine Living Resources and Ecology (CMLRE), Minister of Earth Science (MoES), Government of India	“Monitoring and Surveillance of Harmful Algal Blooms in Indian EEZ“	1 <sup>st</sup> April 2012 to 31 <sup>st</sup> December 2013
<b>Technical Assistant</b>	CAS in Marine Biology, Annamalai University, Chidambaram.	Centre for Marine Living Resources and Ecology (CMLRE), Minister of Earth Science (MoES), Government of India	“Monitoring and Surveillance of Harmful Algal Blooms in Indian EEZ“	May 2010 to March 2012

## TEACHING EXPERIENCE

Designation	Department	Institutions	Period
<b>Assistant Professor</b>	PG and Research Department of Zoology	Kamaraj College Thoothukudi	16.06.2018–28.12.2022
<b>Assistant Professor</b>	PG and Research Department of Zoology	V.O.Chidambaram College, Thoothukudi	29.12.2022-till date

## PUBLICATIONS

<b>No. of Research Publications</b>	<b>: 23</b>
Journals	: 20
Book /Monographs/Proceedings	: 3
<b>Total Citations</b>	<b>: 658</b>
<b>h-index</b>	<b>: 12</b>
<b>i10 index</b>	<b>: 13</b>
<b>Cumulative Impact Factor</b> (as per JCR):	<b>11.702</b>

## MEMBERSHIP IN PROFESSIONAL BODIES

1. Life Member – **Seaweed Research and Utilization Association, India**
2. Life Member (No. 4652-2017) – **Association of Microbiologists of India**

## AWARDS / FELLOWSHIPS / ACHIVEMENTS

1. Grant received from **Student Project Scheme** – Tamilnadu Science and Technology, Chennai for my PG students (2021-22).
2. Awarded for **National Post Doctoral Fellowship (PDF/2015/000708)** scheme by Science and Engineering Research Board, Depart of Science and Technology, Govt. of India (May 2016 to April 2018).
3. **Second prize** for poster presentation in the Silver jubilee national conference on **Algal Biology and Biotechnology (NCABB - 2016)** held during 24<sup>th</sup> – 26<sup>th</sup> November 2016 at Department of Biotechnology, University of Madras, Chennai.
4. **First Prize** for oral presentation in the state level conference on **Perceptive and challenges in environment toxicology and health (PCETH-2019)** held during 6<sup>th</sup> September 2019 at Department of Zoology, Pope's College, Sawyerpuram.

## ORGANISING EXPERIENCE

1. Organized national level webinar in **Intellectual property rights** on 19<sup>th</sup> May, 2021 Department of Zoology, Kamaraj College, Thoothukudi
2. Organized state level seminar on **Healthy life style** during 11<sup>th</sup> December 2020, held at Department of Zoology, Kamaraj College, Thoothukudi
3. Organized one day workshop on **Spirulina Production Technology** during 26<sup>th</sup> September, 2018 at Department of Zoology, Kamaraj College, Thoothukudi.
4. Three years (2010-2013) experience on conducted training and awareness programme associated with my research guide Dr. P. Anantharaman, Associate Professor, Centre of Advanced Study in Marine Biology, Annamalai University.
  - Awareness programme on Harmful algal bloom for fisher folks of all coastal villages of Tamilnadu.
  - Training programme on seaweed and spirulina cultivation technique for women self-help group and fisher folks of all coastal villages of Tamilnadu.
  - Hands on training programme of Seaweed liquid fertilizer for Industry proprietor.

## REFRESHER COURSE // FACULTY DEVELOPMENT PROGRAM

1. Participated on 16 days refresher course on Foundations in plant and animal biology at Centre for Advanced Study in Botany, Madras University, Guindy, Chennai on 1<sup>st</sup> Feb to 16<sup>th</sup> Feb 2019.

## LIST OF PUBLICATIONS

1. **Parthiban, C.** 2019. Seaweeds resources in India and their utilization, Coast Track., 19(1): 1-12.
2. **Parthiban, C** and P. Anantharaman, 2018. Diversity and Biomass of drift seaweeds from Tuticorin coast, India. *Species*, 19: 72-86.
3. **Parthiban, C.,** C. Saranya, S. T. Somasundaram, and P. Anantharaman, 2014. Antioxidant activities of some selected seaweeds from Tuticorin coast, Tamilnadu, India. *International Journal of Phytopharmacy Research*, 5(1): 36-41.
4. **Parthiban, C.,** C. Saranya, K. Girija, A. Hemalatha, M. Suresh, and P. Anantharaman, 2013. Evaluation of *in vitro* antioxidant properties of some selected seaweeds from Tuticorin coast. *Journal of Current Microbiology and Applied Science*, 2(9): 64-73.
5. **Parthiban, C.,** C. Saranya, K. Girija, A. Hemalatha, M. Suresh, and P. Anantharaman, 2013. Biochemical composition of some selected seaweeds from Tuticorin coast. *Advances in Applied Science Research*, 4(3):362-366.
6. **Parthiban, C.,** C. Saranya, A. Hemalatha, B. Kavitha and P. Anantharaman, 2013. Effect of seaweed liquid fertilizer of *Spatoglossum asperum* on the growth and pigment content of *Vigna radiata*. *International Journal of Recent Scientific Research*, 4(9): 1418- 1421.
7. **Parthiban, C.,** K. Parameshwari, C. Saranya, A. Hemalatha, and P. Anantharaman, 2012. Production of sodium alginate from selected seaweeds and their physiochemical and biochemical properties. *Asian pacific journal of tropical biomedicine*, 1 – 4.
8. Saraswathi, S., **C. Parthiban,** M. Elangovan, M. Suriya Nisha and M. Selvendran, 2023. Antimicrobial Activity and Partial Characterization of Bacteriocins Like Substances (BlS) Produced By *Vibrio* Sp. MMB2 Isolated From Marine Microalgae. *Journal of Shodha Prabha.*, 48, 181 – 187.

9. Sakthivel Marimuthu, Manickavel Arunachalam and **Parthiban Chermapandi**, 2021. Impact of Dietary Supplementation on Bioenergetics and Reproductive Performances in *Amphiprion sebae*. *Journal of Agricultural Science and Technology B* 11, 73-88
10. Deepak Samuel, V.K., P. Krishnan, C.R. Sreeraj, K. Chamundeeswari, **C. Parthiban**, V. Sekar, P. Shesdev, R. Saravanan, K.R. Abhilash, R. Purvaja and R. Ramesh, 2017. An updated checklist of Echinoderms from Indian waters. *Zootaxa*, 4354(1): 001-068.
11. Deepak Samuel, V.K., C.R. Sreeraj, P. Krishnan, **C. Parthiban**, V. Sekar, K. Chamundeeswari, T. Immanuel, P. Shesdev, R. Purvaja and R. Ramesh, 2016. An updated checklist of shrimp the Indian coast. *Journal of Threatened Taxa*, 8(7): 8977-8988.
12. Hemalatha, A., **C. Parthiban**, C. Saranya, K. Girija and P. Anantharaman, 2015. Evaluation of antioxidant activities and phenolic content of different solvent extracts of selected marine diatoms. *Indian journal of marine sciences*, 44(10): 1630-1636.
13. Saranya, C., **C. Parthiban** and P. Anantharaman, 2014. Evaluation of antibacterial and antioxidant activities of seaweeds from Pondicherry coast. *Advances in Applied Science Research*, 5(4): 82-90.
14. Saranya, C., A. Hemalatha, **C. Parthiban**, and P. Anantharaman, 2014. Evaluation of Antioxidant Properties, Total Phenolic and Carotenoid Content of *Chaetoceros calcitrans*, *Chlorella salina* and *Isochrysis galbana*, *International Journal of Current Microbiology and Applied Sciences*, 3(8): 365-377.
15. Muthezhilan, R., K. Jayaprakash, **C. Parthiban**, and A. Ajmath Jaffar Hussain. 2014. Plant Growth Promoting Effect of Seaweeds Collected from East Coast of Tamil Nadu, India. *Biosciences, Biotechnology Research Asia*, 11(1): 53-58.
16. Saranya Chinnadurai, Girija Kalyanasundaram, **Parthiban Chermapandi**, Hemalatha Annadurai and Anantharaman Perumal, 2013. Estimation of major pigment content in seaweeds collected from Pondicherry coast. *The Experiment*, 9(1): 522-525.
17. Girija K., **C. Parthiban**, A. Hemalatha, C. Saranya and P. Anantharaman, 2013. Evaluation of antioxidant activities and preliminary phytochemical analysis of seagrasses *Halodule pinifolia*, *Halophila ovalis* and *Syringodium isoetifolium*. *The Journal of Phytochemistry*, 114: 181-187.

18. Girija K, A. Hemalatha, C. Saranya, **C. Parthiban**, and P. Anantharaman, 2013. Extraction and isolation of phlorotannins from brown seaweed *Turbinaria ornate* J. Agardh and its antioxidant activity. *International Journal of Bioassays*, 2(9): 1185-1189.
19. Hemalatha, A., K. Girija, **C. Parthiban**, C. Saranya and P. Anantharaman, 2013. Antioxidant properties and total phenolic content of a marine diatom, *Navicula clavata* and green microalgae, *Chlorella marina* and *Dunaliella salina*. *Advances in Applied Science Research*, 4(5): 151-157
20. Arockiya Aarthi Rajathi, F., **C. Parthiban**, V. Ganesh Kumar and P. Anantharaman, 2012. Biosynthesis of antibacterial gold nanoparticles using brown alga, *Stoechospermum marginatum* (kutzing). *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 99: 166–173.

#### BOOK / CHAPTERS IN BOOKS / MONOGRAPH / PROCEEDINGS

1. **Parthiban, C.**, 2019. A review: Microorganism as Biofertilizer - A key player in enhancing soil fertility and crop production. Published in proceedings of State level seminar in Innovation in microbial diagnostics (IMD - 2019), Kamaraj College, Thoothukudi, India. ISBN: **978-93-867-12-90-5**
2. **Parthiban, C.**, 2018. A review on seaweed resources and their utilization. Published in proceedings of National Conference on Innovative trends in life science (ITLS-2018). Published by Kamaraj College, Thoothukudi, India. ISBN: **978-93-86712-44-8**.
3. **Parthiban, C.**, and P. Anantharaman. 2016. Seaweeds as Biofertilizer. Published in proceedings of National seminar on Marine Resources. Published by The M.D.T. Hindu College, Tirunelveli, India. ISBN: **978-81-931973-9-4**.

#### EVENTS PARTICIPATED

Seminars / Conferences / Symposium	: 19
Workshops / Training	: 12

## SEMINARS / CONFERENCES / SYMPOSIUM

1. Presented paper in the State level seminar in **Innovation in microbial diagnostics (IMD - 2019)** held during 20<sup>th</sup> September 2019 at Kamaraj College, Thoothukudi, India
2. Presented a paper in the state level conference on **Perceptive and challenges in environment toxicology and health (PCETH-2019)** held during 6<sup>th</sup> September 2019 at Department of Zoology, Pope's College, Sawyerpuram.
3. Participated in the National seminar on "**Juvenile justice system in India: Contemporary issues and challenges**" held at Department of Criminology, Kamaraj College during March, 2019.
4. Presented a paper in the National conference on "**Innovative trends in life science (NCITLS - 2018)**" held at Kamaraj College, Thoothukudi during 12<sup>th</sup> September 2018.
5. Presented a paper in the International conference on "**58<sup>th</sup> Annual Conference of Association of Microbiologists of India (AMI) & International Symposium on "Microbes for Sustainable Development: Scope & Applications" (MSDSA)**" held at Bebasahab Bhimrao Ambedkar University, Lucknow during 16 - 19 November, 2017.
6. Participated in the national conference on "**Trends in Microbiology (NCTM)**" organized by Department of Microbiology, Alagappa University Karaikudi held on 27<sup>th</sup> September, 2016.
7. Participated in the International conference on "**Recent trends in Microbiology (RTM)**" organized by Department of Microbiology, Alagappa University Karaikudi held on 20<sup>th</sup>-21<sup>th</sup> December 2016.
8. Presented a paper in the National conference on "**Algal Biology and Biotechnology**" organized by Department of Biotechnology, University of Madras, Chennai during 24<sup>th</sup> – 26<sup>th</sup> November 2016.
9. Presented a paper in the International symposium on "**100<sup>th</sup> Indian Science Congress - Science for shaping the future of India**" from 3<sup>rd</sup> to 7<sup>th</sup> January, 2013 at Calcutta University.
10. Presented a paper in the National Symposium on "**Current Trends in Marine Plants Research and Utilization**" from 26<sup>th</sup> to 28<sup>th</sup> October, 2012 at Pondicherry University, Pondicherry.

11. Participated in the National Seminar on “**Promotion of Fisheries and Alternative Livelihood in Fisheries Sector**” organized by The Directorate of Research & Extension (Fisheries), Fisheries College & Research Institute Campus, TANUVAS, Thoothukudi held on 10<sup>th</sup> and 11<sup>th</sup> November 2011.
12. Participated the “**National Seminar on Recent Trends in Synthetic Methods and Chemistry of Natural Chemistry (SMNP)**” held at Department of Chemistry, Annamalai University, Annamalai Nagar, on 14<sup>th</sup> and 15<sup>th</sup> October, 2011.
13. Participated the National Conference on “**Aquatic Bio Toxins**” held at Centre of Advanced Study in Marine Biology, Faculty of Marine sciences, Annamalai University, Parangipettai, on 14<sup>th</sup> – 16<sup>th</sup> September, 2011.
14. Participated ‘National Science Day-2011’ “**Chemistry in our Lives**” held on 28<sup>th</sup> February. Centre of Advanced Study in Marine Biology, Annamalai University, Parangipettai.
15. Participated the International Symposium on “**Cardiovascular Disease Prevention**” held at the Faculties of Medicine and Marine Sciences, Annamalai University, Annamalai Nagar, Tamilnadu on 21<sup>st</sup> and 22<sup>nd</sup> February, 2011.
16. Presented a paper in the UGC National Conference on “**Future Perspective of Botanical Research**” held at Department of Botany, Annamalai University, Annamalai Nagar, on 18<sup>th</sup> and 19<sup>th</sup> February 2011.
17. Participated in the “**National Seminar on Biodiversity Conservation and Management of Aquatic Resources (NSBCMA)**” organized by Directorate of Research and Extension (Fisheries), TANUVAS, Fisheries College and Research Institute Campus, Thoothukudi, on 09<sup>th</sup> and 10<sup>th</sup> of December 2010.
18. Presented a paper in the “**National symposium on Marine Plants**” held at Centre of Advanced Study in Marine Biology, Faculty of Marine sciences, Annamalai University, Parangipettai, Tamil Nadu in 23-25<sup>th</sup>, September 2010.
19. Participated in the International Conference on “**Aquatic Microbiology - Status, Challenges and Opportunities (AMSCO)**” held at CAS in Marine Biology, Faculty of Marine Science, Annamalai University, Parangipettai, on 2<sup>th</sup> - 4<sup>th</sup> September, 2010.



## WORKSHOP / TRAINING ATTENDED

1. Participated in the one workshop on **Artemia production** at Kamaraj college, Thoothukudi during 27<sup>th</sup> September 2019.
2. Participated in the two days “**National workshop on Leaders for Wildlife**” organized by Research Centre of Zoology, Aditanar college of arts and science, Tiruchendur and Zoo Outreach Organization, Coimbatore during 24-25 January, 2019.
3. Participated in the three day skill development programme on “**Open sea cage culture and mariculture**” organized by Tuticorin Research Centre of CMFRI, ICAR – Thoothukudi during 27<sup>th</sup> to 29<sup>th</sup> June, 2018.
4. Participated in the “**National seminar cum workshop on Genomics and Proteomics - 2018**” organized by the Bioinformatics Infrastructure facility and Department of Biotechnology, Alagappa University during February 14<sup>th</sup> to 16<sup>th</sup> 2018.
5. Participated in the “**National seminar cum workshop on Genomics and Proteomics - 2017**” organized by the Bioinformatics Infrastructure facility and Department of Biotechnology, Alagappa University during February 8<sup>th</sup> to 10<sup>th</sup> 2017.
6. Participated in the ‘**International workshop on molecular physiology, therapeutics and experimental medicine**’ organized by the department of animal health and management, Alagappa University on 6<sup>th</sup> and 7<sup>th</sup> September, 2016.
7. Participated in the Technology Dissemination Workshop on “**Seagrasses and seaweeds Mapping Using Indian Remote Sensing Sensors**”, held at the Centre of Advanced Study in Marine Biology, Faculty of Marine Sciences, Annamalai University during 13<sup>th</sup> - 18<sup>th</sup> February, 2012.
8. Participated in the “**Workshop on Marine Corrosion and Surface Engineering**” held at the Centre of Advanced Study in Marine Biology, Faculty of Marine Sciences, Annamalai University from 24<sup>th</sup> to 26<sup>th</sup> November, 2011.
9. Participated in the “**XXI Inter-Disciplinary Research Methodology Workshop**” held in Annamalai University, Annamalai Nagar, on 8<sup>th</sup> to 11<sup>th</sup> February, 2011.
10. Attended “**Training Programme on CSIR – National Eligibility Test (NET) for Junior Research Fellowship and Lecturer – Ship**” during 2009 – 2010 at CAS in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai.

11. Participated in the “**Disaster Risk Reduction Management Training Programme**” organized by the National Service Scheme, Annamalai University, Annamalai Nagar on 24<sup>th</sup> and 25<sup>th</sup> March, 2009.
12. National workshop on “**Climate Change Mitigation For Sustainable Future**” held in the Annamalai University, Annamalai Nagar, on 20<sup>th</sup> February, 2009.

## OTHERS

- Participated ‘National Science Day - 2010’ “**Gender Equity for Prosperity with Peace**” held on 24<sup>th</sup> February at Centre of Advanced Study in Marine Biology, Annamalai University, Parangipettai.
- Participate in the Special NSS Camping Programme on “**Healthy Youth for Healthy India**” held at Manambadi Village, Cuddalore District, from 26<sup>th</sup> Feb to 04<sup>th</sup> Mar 2009 organized by National Social Service , Annamalai University, Chidambaram

## COMPUTER KNOWLEDGE

- **Diploma in Information Technology** passed in **2007** with aggregate of 95 % in Guymax Institution, Tuticorin.

## PERSONAL PROFILE

Date of Birth	: 20.10.1986
Gender	: Male
Father's Name	: P. Chermapandi
Languages Known	: English and Tamil
Nationality	: Indian
Marital Status	: Married
Community	: SC
Permanent Address	: C. Parthiban, Thermal Nagar (Camp - I) - 628006 Tuticorin, Tamil Nadu, India,
E-Mail Id	: <a href="mailto:pcsparthiban@gmail.com">pcsparthiban@gmail.com</a>
Mobile No	: +91 9787570024

## **DECLARATION**

I hereby declare that the above-mentioned information is correct, up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Date :

Yours Sincerely,

Place : Thoothukudi

**(C.PARTHIBAN)**