

STAFF PROFILE

- 1) **Name** : Dr. G.CHITRA
- 2) **Designation** : Assistant Professor
- 3) **Department** : Zoology
- 4) **Qualification** : MSC, MPhil, Ph.D, DIB.,
- 5) **Experience** : Teaching: 10 years Research: 15 years
- 6) **Area of Specialization (s)** : Aquaculture
- 7) **E-mail** : chitradayalu@gmail.com
- 8) **Academic Qualifications:** MSC, MPhil, Ph.D, DIB
- 9) **Additional Qualifications:**

Diploma/ Vocational/ Certification	Area of Specialization	Institution/ University/ Agency Name	Year
Diploma	Industrial Biotechnology	Annamalai University	2009

10) Projects

Completed

Project Title	Agency	Amount	Duration
Probiotics in ornamental fish breeding and culture - A new dimension to aquaculture entrepreneurship	Seed Money Project, Nirmala College for Women, Coimbatore	10000.00	1 year (2021)
Dietary supplementation of <i>Zingiber officinalis</i> and <i>Cynodon dactylon</i> on immunity and disease resistance of Indian Major Carp, <i>Catla catla</i>	TNSCST	6000.00	1 year (2012)

11) Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	2	1
M. Phil.	5	-

12) Research Publications

International

1. Megha Thankachan and Dr. G.Chitra, The potential effect of fish waste fertilizer on the growth and yield of *Amaranthus dubius* and *Trigonellafoenum-graecum*. International Journal of Advanced Research, (2021), 09 (4): 406-411.
2. Anjali Krishna K. B. and Dr. G.Chitra, Influence of fish waste fertilizer on the growth and yield of *Amaranthus dubius* and *Abelmoschus esculentus*. International Journal of Scientific Research, (2021), 10(05): 01-03.
3. Feona, K. Tom. and Chitra, G. Nutritional and sensory quality of value added food products from Indian Mackerel, *Rastrelliger kanagurta*. International Journal of Zoology and Applied Biosciences, (2020), 5(5): 244-248.
4. Premalatha, Z. and Chitra, G. Evaluation of commercial probiotic (Bifilac) as a growth promoter for murrel, *Channa striatus* fingerlings. International Journal of Current Advanced Research, (2020), 9 (08A): 22922-22928.
5. Merline, X. and Chitra, G. Nutritional, microbial and sensory qualities of cutlets, nuggets and fingers prepared from *Scomberomorus guttatus*. International Journal of Current Advanced Research, (2020), 9 (05A): 22077-22081.
6. Merline, X. and Chitra, G. Comparative study on the proximate composition of prawn, lobster and puffer fish from Pamban, Rameswaram Island, South East Coast of India. International Journal of Creative Research Thoughts, (2020), 8(5): 1278 -1282.
7. Chitra, G. and Dhanalakshmi, B. Nutritional quality of commercially important marine fishes *Scomberomorus guttatus* and *Cynoglossus semifasciatus*, International Journal of Pharma and Bio Sciences, (2020), 11(4): 41-45.

8. Premalatha, Z. and Chitra, G. Influence of commercial probiotic (Bifilac) on growth, feed utilization efficiency and biochemical composition of murrel, *Channa striatus*. International Journal of Advanced Research, (2019), 7 (12): 615-621.
9. Premalatha, Z. and Chitra, G. Effect of commercial probiotic (Eubioz) on growth, biochemical composition and nutritional indices of Indian Major carp, *Catla catla* International Journal of Recent Scientific Research, (2019): 10 (11F): 36126-130.
10. Juliana Labenea, A. and Chitra, G. Estimation of proximate composition and isolation of biogenic amine forming bacteria in marine edible fish, *Sardinella longiceps* and *Stolephorous indicus* collected from market and landing centre. Asian Journal of Microbial Biotech and Environmental Sciences, (2018), 20(3):1045-1049.
11. Rini, J. and Chitra, G. Status of commercial shrimp, *Fenneropenaeus indicus* (Indian Prawn) from Puthiyappa harbor, Kozhikode, Kerala with respect to consumer safety. International Journal of Advanced Research, (2018), 6(8): 676-681.
12. Juliana Labenea, A. and Chitra, G. Heavy metals accumulation on commercially important marine edible species collected from local fish market, Coimbatore, Tamil Nadu, International Journal of Advanced Research, (2018), 6(3): 807-809.
13. Merline, X. and Chitra, G. Estimation of nutritional content and isolation of amine forming bacterias of commercially important dry fish, *Sardinella longiceps* collected from local market in Coimbatore, Tamil Nadu. International Journal of Fisheries and Aquatic Studies, (2017), 5(4): 435-438.
14. Merline, X. and Chitra, G. Nutritional and microbial status of edible marine fish *Scomberomorus guttaus* collected from landing centre (Pamban) and local market in Rameswaram, Tamilnadu. International Journal of Advanced Research, (2017), 5(6): 1845-1849.
15. Merline, X. and Chitra, G. Estimation of amines and amine forming bacterias in edible marine fish *Sardinella longiceps* and its byproducts. International Journal of Recent Scientific Research, (2015), 6(12): 7926-7940.
16. Merline, X., Chitra, G. and Dhanalakshmi, B. Comparison of nutritional and microbial quality of edible marine fish *Sardinella longiceps* collected from landing

center and market. International Journal of Development Research, (2015), 5(10): 5674-5676.

17. Vaishnavi T., Dhanalakshmi, B. and Chitra, G. Quality attribute of fresh and dry marine edible species from Nagapattinam District, Tamil Nadu. International Journal of Trends in Fisheries Research, (2015), 4(1):14-19.
18. Dhanalakshmi, B. and Chitra, G. Biochemical changes in the fish *Cirrhinus mrigala* (Hamilton) after acute and chronic exposure of heavy metals. International Journal of Current Research, (2013), 6 (1): 4362-4368.
19. Chitra, G. Effects of probiotics on reproductive performance and female live bearing ornamental fish, *Poecilia sphenops*. International Journal of Pure and Applied Zoology, (2013), 1(3): 249-254.
20. Chitra, G. Influence of *Lactobacillus sporogens* on growth and nutritional indices of Indian major carp *Catla catla*. Research Journal of Biological sciences, (2012), 4(4): 8-11.
21. Chitra, G. Dietary administration of probiotics on growth and biochemical composition of fresh water fish, *Catla catla* (Hamilton). International Journal of Ecology, Environment and Conservation, (2012), 18(3): 639-641.
22. Chitra, G. Immunostimulatory effect of *Ocimum sanctum* leaf extract on the Indian major carp, *Catla catla*. Plant Archives, (2011), 11(1): 213-214.
23. Chitra, G. Dietary medicinal herbs improve growth and biochemical composition of common carp, *Cyprinus carpio* fingerlings. Plant Archives, (2010), 10 (1): 219-221.
24. Chitra, G. Repellent activity of *Aloe vera* and *Curcuma longa* against the mosquito *Culex quinquefasciatus*. Journal of Ecobiol, (2010), 27(2): 127-130.
25. Chitra, G. and Krishnaveni, N. Neem (*Azadirachta indica*) extract as an immunostimulant in fresh water fish, *Catla catla*. Ecology, Environment and Conservation, (2008), 14(4): 559-560.

National

1. Chitra, G. Bioaccumulation of heavy metals in commercially important edible marine fishes. Research Highlights, (2013), 24(1): 32-39.

2. Chitra, G. Dietary supplementation of poultry byproduct meal on growth and biochemical composition of fresh water fish, *Catla catla* (Hamilton). Vijnana Prabha, (2011), 1(3): 53-57.

13) Other Publications

1. Nutritional quality of raw and dry samples of marine edible fishes *Scomberomorus guttatus* and *Cynoglossus semifasciatus*. Nirmala Annual Research Congress, (2018): ISBN No: 978-93-5321-859-1.
2. Efficacy of probiotics incorporated feed on growth of fresh water fish, *Channa striatus*. Advances in Biological Sciences, (2018): ISBN-978-93-256-8.
3. Impact of different cooking methods on nutritional value of *Pampus argenteus* and *Lutjanus gibbus*. Nirmala Annual Research Congress, (2017): ISBN NO: 978-93-5279-2.
4. Heavy metal accumulation on commercially important marine animals collected from Ukkadam fish market, Coimbatore. Trends in Environmental Resource Management (2014): ISBN NO. 978-93-5174-565-5.
5. A study on bioaccumulation of heavy metals in edible marine prawns of Tuticorin, South East coast of India. Trends in Environmental Resource Management (2014): ISBN NO. 978-93-5174-565-5.
6. Effect of garlic and ginger extracts on preservation of marine edible fish (*Scomberomorus guttatus*). Trends in Environmental Resource Management (2014): ISBN no. 978-93-5174-565-5.
7. Immunostimulatory effect of *Aloe vera* gel extract against *Aeromonas hydrophila* in *Oreochromis mossambicus*. Nirmala Annual Research Congress, (2013) ISBN: 418 0-989425438.
8. Dietary supplementation of Soybean meal on growth and biochemical composition of *Oreochromis mossambicus*. Nirmala Annual Research Congress (MARCH' 13), ISBN NO 978-0989425 438.
9. Dietary supplementation of *Zingiber officinalis* and *Cynodon dactylon* on growth and biochemical changes of Indian Major carp, *Labeo rohita*. Nirmala Annual Research Congress (MARCH' 13), ISBN NO: 978-0989425 438.

14) Presentations in Conference

International

1. Microbial status of commercially important marine fresh and dry fishes collected from local fish market, Coimbatore, Tamilnadu, India. Challenges to Environmental and Health, organized by Jamal Mohamed College, Trichy (2020), ISBN No: 978-81-944322-5-8.
2. A study on biogenic amines content and effect of natural preservatives on amine forming bacteria in *Scomberomorus guttatus* and *Lutjanus gibbus*. Emerging Trends Science and Social Science, organized by Institute for Integrated Regenerative Medicine, Malaysia (2019), ISBN NO: 978-93-81723-95-1.
3. Potential health risk of heavy metals in sea foods collected from Beypore port and its adjacent areas of Kozhikode District, Kerala. Emerging Trends Science and Social Science organized by Institute for Integrated Regenerative Medicine, Malaysia (2019), ISBN No: 978-93-81723-95-1.
4. Evaluation of heavy metals accumulation in marine edible species along south east cost of India. Nanobiometric materials and its applications (ICNBM) Biosummit, organized by Department of Bioscience, Hindustan Institute of Technology and College of Arts and Science, Coimbatore (2014), ISSN NO: 978-93-80211-15-16.

National

1. Estimation of proximate composition and isolation of biogenic forming bacteria in *Sardinella longiceps* from different locations. Nirmala Annual Research Congress (2019), Nirmala College for Women, Coimbatore-18.
2. Estimation of biochemical composition and isolation of amine forming bacteria in *Sardinella longiceps* collected from different locations of Cochin, Kerala. Biology for life 2K19 (2019), organized by the Department of Zoology, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore-43.
3. Influence of vermicompost and vermi wash on the growth of *Amaranthus dubius*. "Biology for life 2K19" (2019), organized by the Department of Zoology, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore-43.

4. Immunostimulatory influence of Bifilac on growth and immune response of fresh water fish *Channa striatus*. Future Trends in Marine Biotechnology (2019), organized by Centre for Marine Science and Technology, Manonmaniam Sundaranar University, Kanyakumari-02.
5. Immunostimulatory effect of probiotics on growth and immune response of fresh water fish *Channa striatus*. Advances in animal science for sustainable development (2018), organized from Jamal Mohamed College, Thrichy.
6. Impact of idol immersion on water quality and aesthetic appearance of Singanallur lake, Coimbatore, Tamilnadu. Environmental History (2016), organized by Department of History, Nirmala College for Women, Coimbatore-18.
7. Immunostimulatory effect of turmeric, *Curcuma longa* against *Aeromonas hydrophila* in fresh water fish, *Catla Catla*. Immunoinformatics - An insilico aid towards better medicines, (2013), Nirmala college for Women, Coimbatore-18.
8. Effect of medicinal plants for their immunostimulatory effects on fish *Catla catla*. Phytodrugs and human health care (2012), organized by Nirmala College for Women, Coimbatore-18.
9. Neem (*Azadirachta indica*) exact as an immunostimulant in fresh water fish, *Catla catla*. Medicinal plants present scenario and future prospects (2012), conducted by Department of Botany, Nirmala College for Women, Coimbatore-18.
10. Efficacy of probiotics and herbal extract on growth and proximate composition of fresh water fish, *Oreochromis mossambicus*. Biotechnology approaches in aquaculture (2012), organized by Bharathiyar University, Coimbatore-46.
11. Dietary supplementation of *Phyllanthus emblica* on growth and biochemical composition of Indian major carp, *Catla catla*. Biotechnology approaches in aquaculture (2012), organized by Bharathiyar University, Coimbatore-46.

15) Participation in Conference : 02

16) Participation in Seminar : 20

17) Participation in Workshop : 09

18) Participation in Training : 04

19) Participation in Orientation Programme/ Induction Programme/ Short term Courses

- Orientation Program – 17.11.2017 – 14.12.2017 - Bharathiar University, Coimbatore
- Refresher Course – 18.11.2020 – 01.12.2020 - Madras University, Chennai
- Innovation Ambassador Training Program – 30.06.2021 – 30.07.2021 - MOE and AICTE, Government of India

20) Participation in Faculty Development Programme : 9

21) Conference/ Seminar/ Workshop Organized

Conference Organized : 02

Seminar Organized : 08

Workshop Organized : 29

Symposium : 03

International symposium : 03

Training Program : 08

Popular lecture series : 01

22) Invited Speaker/ Session Chair – Conference/ Seminar/ Workshop

1. Chair Person - International Conference on Emerging Trends in Science and Social Science, organized by Institute for Integrated Regenerative Medicine, Malaysia (2019).

23) Editorial/ Review Board Member

1. Reviewer in International Journal of Current and Advanced Research.

2. Reviewer in International Journal of Advanced Research.