

STAFF PROFILE

- 1) Name : Dr.B.DHANALAKSHMI
2) Designation : ASSISTANT PROFESSOR
3) Department : ZOOLOGY
4) Qualification : B.Sc., M.Sc., M.Phil., Ph.D., PGDCA.,
5) Experience : Teaching :11 Research : 1
6) Area of Specialization (s) : HYDROBIOLOGY AND TOXICOLOGY
7) E-mail : dr.dhanalakshmi02@gmail.com
8) Academic Qualifications: B.Sc., M.Sc., M.Phil., Ph.D., PGDCA.,
9) Additional Qualifications:

Diploma/ Vocational/ Certification	Area of Specialization	Institution/ University/ Agency Name	Year
Diploma	Post graduate diploma in computer application	Bharathiar University	2012

10) Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	02	01
M. Phil.	03	-

11) Research Publications

International

1. Athira V. N., **B. Dhanalakshmi**, S. Dinesh Kumar. A comparative study on the effect of green preservatives to increase the shelf life of commercially important fish fillet in frozen condition. *Int. J. Pharm. Sci. Rev. Res.*, 2020,62(1): 133-137
2. Rini T.R., **B. Dhanalakshmi**, S. Dinesh Kumar. Human Health Risk Assessment of accumulation of Heavy Metals Via Consumption of Marine Fish Collected from Local Vendors of Palakkad District, Kerala, India. *International Journal of Pharmaceutical Sciences Review and Research.*, 2020, 62(1):153-159

3. Priyatharsini, P., S. Sivashankari, **B. Dhanalakshmi**, S. Dinesh Kumar, P. Santhanam, M. Pragnya. The Systematic Approach of Heavy Metals Accumulation in *Oreochromis niloticus* from Theroor Wetland, Kanyakumari, India. *Environment and Ecology.*, 2020, 38 (2): 255-264.
4. Dinesh Kumar, S., Kang Sojin, P. Santhanam & **B. Dhanalakshmi**. 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.*, 2020, 49 (02):326-332.
5. Athira, V. N., **B. Dhanalakshmi**, S. Dinesh Kumar. Application of Green Bio-Preservatives in Extending the Shelf Life of Commercially Important Fishes *Sardinella Longiceps* and *Rastrelliger Kanagurta*, *Entomology and Applied Science Letters.*, 2020, 7(2):35-4.
6. Suganya, S., **B. Dhanalakshmi** & S Dinesh Kumar. Biosynthesis and characterization of silver nanoparticles from *Sargassum wightii* and its antibacterial activity against multi-resistant human pathogens. *Indian Journal of Geo Marine Sciences.*, 2020, 49 (05):839-844.
7. Dinesh Kumar, S., P. Santhanam, N. Krishnaveni, P. Raju, A. Begum, S. U. Ahmed, P. Perumal, M. Pragnya, **B. Dhanalakshmi** and Mi-Kyung Kim. Baseline assessment of water quality and ecological indicators in *Penaeus vannamei* farm wastewater along the Southeast coast of India. *Marine Pollution Bulletin.*, 2020, 160:111579.
8. Chitra G., **B. Dhanalakshmi**. Nutritional Quality Of Commercially Important Marine Fishes *Scomberomorus Guttatus* and *Cynoglossus Semifasciatus*. *International Journal of Pharma and Bio Sciences*, 2020, 11(4): b41-45.
9. Sheethal S., **B. Dhanalakshmi**. Biochemical composition and xenobiotic concentrations in muscle tissue of *Xenentodon cancila* (Hamilton, 1822), fresh water fish of Valapattanam and Kavayi river of Kannur district, Kerala, India- A bio-monitoring approach. *Pollution Research*. 2018, 37(3):823-828.
10. Priyatharsini. P, **B. Dhanalakshmi**, and T. Veeramani. (2019). Length-weight relationship of fresh water fish Nile tilapia, *Oreochromis niloticus* in Theroor wetland, Tamil nadu, India. *Trends in Fisheries Research*. 8(1):72-79.

11. Priyatharsini P., **Dhanalakshmi B** and Veeramani T. Monitoring and assessment of water health in relation to fish perception in Theroor wetland ecosystem, Tamil Nadu, India. *International Journal of Recent Scientific Research*, 2018, 9(5(D)): 26708-26714.
12. **Dhanalakshmi B.** Assessment of microbial quality in water, sediment and fish tissue – A health concern in lotic fresh water body Ambrambalayam river, Tamil Nadu, India. *International Journal of Recent Scientific Research*, 2018, 9(7): 27751-27755.
13. Nithya, P., **B. Dhanalakshmi**, P. Santhanam., S. Dinesh Kumar. Pre-monsoon and monsoon seasonal changes in physicochemical characteristics of Chinnamuttom and Colachel harbour waters, Southeast coast of India. *Indian Journal of Geo-Marine Sciences*, 2018, 47(1):193-199.
14. **Dhanalakshmi. B.** Seasonal variation of physicochemical parameters and phytoplankton diversity in the Muthukuda mangrove environment, southeast coast of India. *Journal of the Marine Biological Association of India*, 2017, 59(2):19-33.
15. **Dhanalakshmi. B.** Assessment of seasonal changes in the water chemistry of Valapattanam and Munderi Kadavu river in Kerala, Tamil Nadu, India. *International Journal of Environmental Science, Toxicology and Food Technology*, 2017, 11(7):77-82
16. **Dhanalakshmi. B.** Biochemical alterations induced by short- and long-term exposure of *Chromium Sulphate* on the fresh water fish *Cirrhinus mrigala* (Hamilton). *International Journal of Applied Biology and Pharmaceuticals Technology*, 2017, 8(1):49-56.
17. **Dhanalakshmi. B.** Toxicological evaluation of heavy metals in tissues of fresh water fish *Oreochromis niloticus* collected from lakes of Coimbatore district, Tamil Nadu, India. *International Research Journal of Pharmacy*, 2017, 8(1):41-45.
18. **Dhanalakshmi. B.**, Priyadharsini.P. Assessment of Theroor wetland water quality Kanyakumari district, Tamil Nadu, India. *International Journal of Advanced Research*, 2016, 4(11):1325-1330.
19. **Dhanalakshmi. B.** Antibacterial activity of Methanol extract from selected seaweed of South East coast of India. *International Journal of Applied Research*, 2016, 2(9):714-718.
20. **Dhanalakshmi. B.**, Priyadharsini.P. Water quality characteristic of Vembanoor wetland, Kanyakumari district, Tamil Nadu, India. *International Journal of Current Microbiology and Applied Sciences*, 2016, 5(8):852-861.

21. **Dhanalakshmi. B.**, Priyadharsini.P.Piscine diversity of Coimbatore wetlands, Tamil Nadu. India. *International Journal of Fisheries and Aquatic Studies*,2016,4(4):280-285.
22. **Dhanalakshmi. B.**, Kiruthika, K.,Effects green macroalgae *Ulva fasciata* supplemented diet on biochemical composition in fresh water fish *Labeo rohita* (Hamilton). *International Journal of current research*,2016,8(07):33831-33835.
23. S. Dinesh Kumar, P. Santhanam, S. Ananth, M. Kaviyarasan, P. Nithya,**Dhanalakshmi. B.** M. Park, Mi-Kyung Kim.Evaluation of suitability of waste water grown microalgae (*Picocchlorummaculata*) and copepod *Othinarigida* as lived food for white leg shrimp *Litopenaeus Vannamei* post larvae. *Agriculture International*,2016,1-9 001 10.1007/s:10499-016-0037-6.
24. S. Dinesh Kumar, P. Santhanam, S. Ananth, P. Nithya,**Dhanalakshmi. B.** Bioremediation of shrimp (*Litopenaeus vannamei*) culture effluent using copepod (*Othionia rigida*) and microalgae (*Picocchlorummaculata* and *Amphara* sp)-An integrated approach. *Desalination and water treatment*, 2016,1-10.
25. **Dhanalakshmi. B.**, Merline X., Chitra G . Estimation of amines and amine forming bacterial in edible marine fish *Sardinella longiceps* and its product. *International Journal of Recent Scientific Research*.2015,6(12):7936-7940.
26. **Dhanalakshmi. B.**, Priyadharsini P. An assessment of fresh water piscine diversity in selected wetlands in Coimbatore district, Tamil Nadu, India. A preliminary study. *OpenAccessLibrary Journal*.2015,2(2236):1-6.
27. Merline X., Chitra G ., **Dhanalakshmi. B.**Comparison of nutritional microbial quality of edible marine fish *Sardinella longiceps* collected from landing center and market. *International Journal of Development Research*.2015,5(10): 5674 -5676.
28. **Dhanalakshmi, B.**, G.Chitra. Microbial screening on raw and dry selected marine species from Nagapattinam district, Tamil Nadu, India. *International Journal of Pharma and Biosciences*.2015,6 (4) :818-828.
29. Vaishnavi.T., **Dhanalakshmi, B.** Chitra G. Quality attributes of fresh and dry marine edible species from Nagapattinam district, Tamilnadu, India. *International Journal of Trends in Fisheries Research*. 2015, 4(1):14-19.

30. **Dhanalakshmi, B.**, Chitra G. Biochemical changes in the fish *Cirrhinus mrigala* (Hamilton) after acute and chronic exposure of heavy metal. *International Journal of Current Research*. 2014,6(01):4362-4368.
31. N.Saradhamani, K.Sithra., **Dhanalakshmi B.** Comparative study of well water in and around Kayakkody panchayat, Kozhikode, Kerala, India. *Eco. Env and Cons.* 2007,13(2):287 – 290.

National

1. Nirosha.K., **Dhanalakshmi.B.**, Suganya.S. In-vitro studies on synthesis and characterization of silver nano particle using aqueous extract of Indian brown macro alga *Turbanaria conoides*, south Indian coast, Tamilnadu, India. *Journal of Emerging Technologies and Innovative Research.*, 2019, 6(5):10-16.
2. Priyatharsini.P, Sivasankari, **B. Dhanalakshmi**. Impact of heavy metals on the tissues of fresh water fish *Oreochromis niloticus* – A systematic approach. *Journal of Emerging Technologies and Innovative Research*,2019, 6(6):734-747.
3. SoundharyaT., **B.Dhanalakshmi.**, J. Jegathesh Amalraj. Assessing the trace metal status in the sediment of Ambrampalayam river, Pollachi taluk, Tamilnadu, India. *Journal of Emerging Technologies and Innovative Research*,2019,6(6):628-632.
4. SoundharyaT., **B.Dhanalakshmi** and J. Jegathesh Amalraj. Assessing the water quality status of Ambrampalayam river, Pollachi taluk, Tamilnadu, India with reference to trace metals. *Journal of Global Biosciences*,2019,8(6):6313-6323
5. **Dhanalakshmi. B.**Primary productivity of river Chaliyar of Calicut district, Kerala, India. *AlagappaUniversityJournal of Biological Sciences. (AUJBS)*.2017,1(1):48-53.
6. **Dhanalakshmi, B.** Nisha.P., R.Krishnakumar. Evaluation of microbial load and their impact on spoilage of selected marine fishes collected from the catchment point and in the markets of Coimbatore districts. A preliminary study. *IndianJournal of Applied Microbiology*. 2014,17(2): 73-79.
7. **Dhanalakshmi, B.** Acute and chronic toxicity of chromium on biochemical composition of the fresh water major carp *Cirrhinus mrigala* (Hamilton). *Asian Journal of Science and Technology*.2014,4(11): 26-32
8. **Dhanalakshmi, B.**Plant diversity status in and around Singanallur lake Coimbatore, Tamil Nadu, India. *Journal of Science*. 2012,1(4):28 – 32.

9. **Dhanalakshmi, B.** Bioremediation of polluted habitat in Coimbatore using Vermitechnology. *Jr.of Industrial Pollution Control*. 2010,26(1):105 – 108.
10. **Dhanalakshmi, B. M.** Lekeshmanswamy and K. Varunprasad. Seasonal variations of the Sulur pond at Coimbatore, Tamil Nadu,India. *Nature Environment and Pollution Technology*.2008,7(1):147 – 150.
11. N. Saradhamani, R. Saraswathi.,**Dhanalakshmi B.** A study on the effect of commando on the protein content of the fresh water fish *Labeo rohita*. *Journal of Current Science*.2007,10(2):735 – 738.
12. N. Saradhamani, R. Saraswathi.,**Dhanalakshmi, B.** Effect of the detergent commando on cholesterol content of the fresh water fish *Labeo rohita*.*Nature Environment and Pollution Technology*. 2007,6(3):433 – 436.

12) Other Publications

1. Dhanalakshmi .B Biomonitoring of selected aquatic macrophyte to assess lentic water body nutrient contamination: A case study of Vallekulam lake, Kerala. *Nirmala Annual Research Congress*. 2017,3:62-65
2. Dhanalakshmi. B.Enumeration and isolation of bacterial microflora in the fish organs.2016IQACNirmalaAnnualResearchCongress.
3. Dhanalakshmi. B., Vaishnavi T. Assessment of ground water quality in and around Taluks of Tirupur district, Tamil Nadu, India. *Nirmala Annual Research Congress*.2013, 1(1):58 – 61.
4. Dhanalakshmi. B., Merline.X. Effect of dietary administration *Eucheuma cottonii* on growth performance in fresh water teleost *Labeo rohita* (Hamilton,1822). *Nirmala Annual Research Congress*, 2013,1(1): 68 -71.
5. Dhanalakshmi. B., Priyadharsini.P. Short – term effect of Vichoor lake water on the biochemical parameter of fresh water fish *Cirrhinus mirgala* (Ham).*Nirmala Annual Research Congress*, 2013,1 (1): 312 – 314.
6. Dhanalakshmi. B., Maheswari.D. Physicochemical and microbiological study of Kelavarappalli dam, Krishnagiri District, Tamil Nadu. *Nirmala Annual Research Congress*,2013,1(1): 291 – 293.

7. Dhanalakshmi. B., Nithya.P. Structure prediction of Cytochrome B oxidase in five different Whitefly species. *Nirmala Annual Research Congress*,2013,1 (1):1-6.

13) Participation in Conference

1. 29th February, 2020 - Varma and Siddha in Siddha and Varma camp, held at Nirmala College for Women, Coimbatore-18.
2. 14th and 15th February, 2020- Future trends in marine science biotechnology, Centre for marine science and technology, Manonmaniam Sundaranar University, Rajakkamangalam.
3. 24th & 26th January, 2020 - Futuristic intricate strategies in computational genomic CGGB-2019 organized by Department of Botany and Bio-informatics, Nirmala College for Women, Coimbatore-18.

14) Participation in Seminar

1. 11th January, 2020 - Exploration of research innovations, its trends and challenges organized by Nirmala College for Women, Coimbatore -18.
2. 1st & 2nd February, 2019 - Complementary and alternative Indian systems of medicines, organized by Department of Botany and Bio-informatics, Nirmala College for Women, Coimbatore-18.
3. 15th February 2018- DBT sponsored – Advances in animal science for sustainable development organized by PG and Research Department of Zoology, Hamal Mohamed College, Tanjore
4. 12th September, 2016 - Nanotechnology in biological science, organized by Department of Zoology, Kongunadu Arts and Science college, Coimbatore -29.
5. 15th & 16th September, 2015 - Advances in basic and clinical Immunology, organized by Department of Zoology, Bharathiar University, Coimbatore - 46,
6. 24 & 25th January, 2012 - Animal welfare and conservation, organized by Animal Rescuers in collaboration with SACON and Nirmala College for Women, Coimbatore-18.
7. 2nd March, 2012 - Current trends in Biotechnologies and Bioinformatics, organized by Research department of Botany Nirmala College for Women, Coimbatore-18.

8. 25th& 26th August, 2011 - Challenging and strategies in human rights education, organized by Nirmala College for Women, Coimbatore-18.

15) Participation in Workshop

1. 19th March, 2020 - Innovative ecosystems, incubation centers and startup for higher education institutions, organized by Nirmala College for Women, Coimbatore -18.
2. 7th March, 2020 - Revised guidelines for the accreditation process of NAAC, organized by Nirmala College for Women, Coimbatore - 18.
3. 12th February, 2020 - Training and Project Awareness Programme MANAV, Conducted by Nirmala College for Women, Coimbatore -18.
4. 26th September, 2019 - Basics of molecular biology techniques, conducted by Karunya Institute of Technology and Science, Coimbatore - 14.
5. 23rd September, 2019 - Microbial Diversity, conducted by CBNR, Coimbatore - 21.
6. 2nd February, 2019 - Intellectual property Rights, patents, copyrights, organized by IQAC, Nirmala College for Women, Coimbatore-18.
7. 28thDecember,2018- DBT sponsored – Marine Biotoxins and their consequences in shell fishes, Department of Marine Sciences, Annamali University, Parangipettai
8. 27th December,2018- DBT sponsored Cryosectioning of Tissues from sentinel Marine Organisms, Department of Marine Sciences, Annamali University, Parangipettai
9. 21st& 22nd March, 2018 - Multimedia, organized by Department of Computer Science Application and Information Technology, Nirmala College for Women, Coimbatore -18.
10. 3rd August, 2018 - Separation of DNA and protect using electrophoresis method, organized by Department of zoology, Nirmala College for Women, Coimbatore-18.
11. 28th January, 2013 - Natural Resource Management for Environmental Security, Organized by Eco Club, Department of Botany, Kongu Arts and science College, Coimbatore -29.

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

- November, 2017 - 28 days Orientation Programme, Bharathiar University, Coimbatore-46.
- November, 2020 - 14 days Refresher Course, University of Madras, Chennai-05

17) Participation in Faculty Development Programme

1. From 22nd June 2020 to 26th June 2020- FDP: ICT Tools for effective Teaching (International Level)organized by Sathyabama Institute of science & Technology, Chennai.
2. From 15th June 2020 to 17th June 2020-FDP on Research Capacity Building organized by V.O.Chidambaram College, Tuticorin.
3. From 02nd June 2020 to 06th June 2020- FDP-Moodle Learning Management system organized by Government Arts College for Women, Salem-8.
4. From 30th May 2020 to 03th May 2020- FDP: Evolution from Offline to Online Teaching organized by Satish Pradhan Dnyanasadhana College, Thane.
5. From 23th May 2020 to 24th May 2020- FDP-National level: Building a predictive understanding of microbial communities organized by Department of Zoology, Nirmala College for Women, Coimbatore
6. 18th May 2020- FDP: “E-Learning and MOOCs in Higher Education and New Roles of Teachers” organized by GVG Visalakshi College, Udumalai
7. From 29th April 2020 to 01st April 2020- FDP-Moodle Learning Management system organized by Department, of Computer science, Kay Peeyes college, Kotagiri.
8. 30th October, 2019 - Innovative teaching Strategies, organized by Curriculum Development Cell, Nirmala College for Women, Coimbatore-18.
9. 13th October, 2018 - Outcome based Education, organized by IQAC, Nirmala College for Women, Coimbatore-18.
10. 22nd& 23rd June, 2018 - Outcome based Education, organized by IQAC, Nirmala College for Women, Coimbatore-18.
11. 24th March, 2018 - Outcome based Education, organized by IQAC, Nirmala College for Women, Coimbatore-18.
12. 9th& 10th February, 2016 - e-content preparation – Design, Editing and Production, organized by IQAC, Nirmala College for Women, Coimbatore-18.
13. 30th October, 2015 - Environment Audit of Infrastructure, extension activities and Institutional social Responsibilities organized by IQAC, Nirmala College for Women, Coimbatore-18.

18) Conference/ Seminar/ Workshop Organized

Conference organized: 1

Seminar organized: 8

Workshop Organized: 27

19) Editorial/ Review Board Member

- Reviewer of International Journal of Pharma and Biosciences
- Reviewer of World Journal of Pharmaceutical Sciences