

STAFF PROFILE

- 1) Name : Dr. D. Vigneshpriya
2) Designation : Assistant Professor in Zoology
3) Department : PG and Research Department of Zoology
4) Qualification : Ph. D Zoology
5) Experience : **Teaching** : 2 years & 5 months **Research** : 9 years
6) Area of Specialization (s) : Environmental Science, Waste management, Fishery Biology
Aquaculture
7) E-mail : vipriya.aqua@gmail.com
8) Academic Qualifications : M.Sc., M. Phil., Ph.D

9) RESEARCH EXCELLENCE

Ph. D Thesis topic: In Environmental sciences, “Studies on removal brilliant green dye using brown marine macroalgal biomass *Sargassum wightii*”

M. Phil Thesis topic: In Environmental sciences, “Sugarcane bagasse as Bioadsorbent in Textile Waste Water Treatment”.

M. Sc Thesis Topic: In Fishery Biology, “Effects of Garlic and Onion incorporated feed on the Growth, Nutritional status and Enzymes on the Fresh water fish Tilapia, *Oreochromis mossambicus*”.

Research Publications

International

1. **Vigneshpriya, D** and Shanthi,E, Physicochemical characterization of textile waste water *International. J. Innovative research & development* (2015),4, 48-51.
2. **Vigneshpriya, D** and Shanthi, E, Biosorption of textile effluent using sugarcane bagasse (2016). *Int. J. Curr. Res.* 8(2016), 31324–31331.
3. **Vigneshpriya, D**, Krishnaveni, N and Renganathan, S, Marine brown macroalga *Sargassum wightii* as novel biosorbent for the removal of brilliant green dye from aqueous solution: Kinetics, equilibrium isotherm modeling and phytotoxicity of treated and untreated dye (2017). *Desalination Water Treatment* 78(2017), 300–312.

4. **Vigneshpriya, D** and krishnaveni, N, Effect of garlic and onion incorporated feed on the growth and nutritional status on the fresh water fish Tilapia, *Oreochromis mossambicus* (Peters, 1852), *International Journal of Fisheries and Aquatic Studies* (2016) 4, 253-257.
5. P. K. Karuppasamy*, R. Sri Sakthi Priyadarshini, P. Santhanam, N. Ramamoorthy, E. Nevika, V. Anjalidevi, C. Catherine Banu, S. Nancy Lydia, **D. Vigneshpriya** and Anumol Anto, Characterization of Carotenoid Extracts Obtained from Mogi Velvet Shrimp, *Metapenaeopsis mogiensis* (Rathbun, 1902) of Mandapam Coast, Tamil Nadu, India, *Chemical Science Review and Letters* (2016) 5, 21-28.
6. R. Bharathi, **D. Vigneshpriya*** and N. Krishnaveni, Comparison of proximate and fatty acid composition of shell of marine edible shrimps, *Heterocarpus gibbosus* (Bate, 1888) and *Aristeus alcocki* (Ramadan, 1938), *International Journal of Zoology and Applied Biosciences* (2019), 4, 75-79.
7. **D. Vigneshpriya**, N. Krishnaveni and S. Renganathan, Untreated and *Sargassum wightii*-treated brilliant green dye toxicity impact on microflora and *Allium cepa* L., *Applied Water Science* (2019) 9, 16.
8. **D Vigneshpriya**, N Krishnaveni, S Renganathan, R Sri Sakthi Priyadarshini, Impact of untreated and *Sargassum wightii*-treated brilliant green dye exposure on Indian major carp, *Labeo rohita* Ham.: hematology, biochemistry, enzymology and histopathology, *International Journal of Phytoremediation* (2020) 22, 819-826.
9. J Roopavathy, B Karpagam, **D Vigneshpriya**, Effect of *Ziziphus Jujube* Leaf Extract on Kidney of Freshwater Fish, *Oreochromis mossambicus*, *International Journal of Zoology and Applied Biosciences* (2020) 5, 210-216.
10. Anju T. Varghese and **D. vigneshpriya**, Antibacterial activity, biochemical composition and phytochemical screening of seaweeds *Sargassum wightii*, *Chaetomorpha crassa* and *Valoniopsis pachynema*, *European Journal of Pharmaceutial and Medical Research* (2020) 7, 336347.
11. Janeeba Aboobacker, **Vigneshpriya D**, Kumaran Subramanian, Kumaravel Kaliaperumal, Gaber E. Eldesoky, Ahmed muteb Aljuwayid, Mika Sillanpaa, and Velmurugan S, Malachite green dye adsorption using seaweed *Sargassum wightii* and its impact on green gram. *Adsorption Science & Technology* (2022)

National

1. **D. Vigneshpriya***, N. Krishnaveni, G. Bhargavi, R.S.S. Priyadarshini and S. Renganathan, Effect of textile effluent on growth and germination of cow pea *Vigna unguiculata* L., *Indian Journal of Environmental Protection* (2017) **37**, 160-167.
2. K. Thrishla Kumar, B. Harini, G. maalavika, G. Bhargavi, R. Geethalakshmi, **D. Vigneshpriya** and S. Renganathan, Biosorption of textile dye using *Sargassum wightii*, *Indian Journal of Environmental Protection* (2020)40, 1051-1057.

10) OTHER PUBLICATIONS (PROCEEDINGS)

1. **D. Vigneshpriya** and N. Krishnaveni, Physico-chemical analyses of water sample and enzyme analyses of garlic and onion incorporated feed on *Oreochromis mossambicus* (Peters, 1852), Eco-waste Management and Nanobiology - Sponsored by UGC, New Delhi, Department of Zoology, Sri GVG Visalakshi College for Women, Udumalpet, 20th October 2016, ISSN: 9789386176363.
2. **D. Vigneshpriya**. Assessment of heavy metals in Ladies finger and Yam collected from production site and market area in Coimbatore District, Tamil Nadu, India. *Advances in Biological Sciences Research*. 2018. ISBN: 978-93-5321-256-8.

12) Participation in Conference

7

13) Participation in Seminar

9

14) Participation in Workshop

15

15) Participation in Faculty Development Programme

20

16) Conference/ Seminar/ Workshop Organized

14

17) INVITED SPEAKER/ SESSION CHAIR – CONFERENCE/ SEMINAR/ WORKSHOP

1. Co- Chaired in International conference on Emerging Trends in Science and Social Science (ICETSS- 2019) held on 3-4th May, 2019 at Kuala Lumpur, Malaysia.

18) MEMBER IN BOARD OF STUDY

1. Member of UG Board of Studies in Zoology of Nirmala College for Women, Coimbatore, TN, India.