

## STAFF PROFILE

- 1) Name : Dr. J. Roopavathy
- 2) Designation : Assistant Professor
- 3) Department : PG & Research Department of Zoology
- 4) Qualification : M. Sc., M. Phil., M. Ed., Ph. D.,
- 5) Experience : Teaching: 5 years 5 months      Research: 5 years 5 months
- 6) Area of Specialization (s) : Aquaculture and Aquatic Biology
- 7) E-mail : [jroopavathy27@gmail.com](mailto:jroopavathy27@gmail.com)
- 8) Academic Qualifications : M. Sc., M. Phil, M. Ed., Ph. D.,
- 9) Research Publications

### International

1. **Roopavathy, J**, Krishnamoorthy,P Sukumaran, M, Rajeswari,K. Effect of *Andrographis paniculata* leaves extract on ovary of adult ornamental fish-black molly (*Mollienisia latipinna*). Advances in Applied Science Research. 2011. 2 (4). 314-319.
2. **Roopavathy, J** Sukumaran, M, Rengarajan, R Ravichelvan, R Narasiman, N. Toxicity of malathion on metabolic activities in the river Cauvery of tilapia fish (*Oreochromis mossambicus*). International Journal of Pharmaceutical & Biological Archives.2013. 4(5) 986 – 989.
3. **Roopavathy, J.** Monthly variation of physico-chemical parameters of the fresh water fish culture pond at Thanjavur in Tamil Nadu, India. Global Journal of Traditional Medicinal Systems. 2016. 2(4). 14 – 16.
4. **Roopavathy, J**, Studies on the toxicity of methyl parathion on fresh water fish *Oreochromis mossambicus*. International Journal of current research. 2016. 8 (9). 39236 – 39240
5. **Roopavathy, J**, Sukumaran, M. Rengarajan, R. Ravichelvan, R. Narasiman, N. Monthly variation of physico-chemical parameters of the fresh water fish culture pond at Thanjavur in Tamil Nadu, India. Global Journal of Traditional Medicinal Systems. 2016.2(4). 14 – 16.
6. **Roopavathy, J.,** Studies on the toxicity of methyl parathion on fresh water fish *Oreochromis mossambicus*. International journal of current research. 2016. 8 (9). 39236 – 39240.
7. Crystal Castilino and **Roopavathy, J.** Studies on the nest construction and micro climate of *Oeophylla Smaragdina*. International Journal for Science and Advance Research in Technology. 2018. 4(4). 3068 – 3073.
8. **Roopavathy, J.** and Mary Fabiola. Effect of *Ziziphus jujube* leaf extract on ovary of fresh water fish *Oreochromis mossambicus*. International Journal of Current Research in Life Sciences. 2018. 07 (04), 1712-1716.

9. Aneesha, P. **Roopavathy .J.** A Survey on Insect Gall Diversity in Two Different Areas at Kozhikode District, Kerala. *International Journal of Innovative Science and Research Technology*. 2019. 4 (4).116 – 121.
10. Gayathri, G, **Roopavathy, J.** A survey on ant diversity in two different areas of Thrissur district, Kerala. *International Journal of Advanced Research in Medical & Pharmaceutical Sciences*. 2019. 4(5). 1 – 4.
11. Nandana N, and **Roopavathy. J.** A survey of the butterfly diversity in Kannur district, Kerala. *International Journal for Science and Advance Research in Technology*. 2019. 5(3).795 – 798.
12. Abanah Sharon S, **Roopavathy, J,**and Geetha, S. Diversity of Birds in Kumarasamy Lake and Singanallur Lake. *International Journal of Pharmaceutical and Biological Science Archive*. 2019.7 (2). 4 – 9.
13. Geetha. S. **Roopavathy, J.** and Abanah Sharon S. Effect of *Azardirachta Indica* Leaf Extract on Gill of Freshwater Fish, *Labeo rohu*. *International Journal of Pharmaceutical and Biological Science Archive*. 2019. 7(2). 10 – 15.
14. **Roopavathy, J.**, Karpagam and D.Vigneshpriya. Effect of *Ziziphus jujube* leaf extract on Kindly of fresh water fish, *Oreochromis mossambicus*. *International Journal of Zoology and Applied Biosciences*. 2020. 5(4); 210-216.
15. Ilakkiya, V., Kaviyand, and V. **Roopavathy, .J.** Analysis of Phytochemical screening and Antibacterial activity of *Psidium Quajava*. *International Journal of Research and AnalyticalReviews*. 2020. 7(2). 532 -536.
16. **Roopavathy, J.** In vitro analysis of Antioxidant activity from Umbalachery cattle and Jersey Cow. *International Journal of Multidisciplinary Education*. 2020. Vol: 9(4): 8 – 16.
17. Nandana M and **J. Roopavathy.** A Survey on Diversity and Interaction of Arthropoda Communities Areas at Kozhikode District, Kerala and Coimbatore District, Tamil Nadu. *International Journal of Innovative Science, Engineering & Technology*. 2020. 7 (4): 32 – 41.
18. **Roopavathy J** and Nandana P.K. Effects of Methyl Parathion on Histology of Gill on Freshwater Fish, *Oreochromis Mossambicus*. *International Journal of Advanced Research in Medical & Pharmaceutical Sciences*. 2020. Vol. 5(4) 1 – 4.
19. **Roopavathy, J.** and Shiny A. In Invitro Analysis of Nutritional Compositions of Milk from Umbalacheri and Jersey Cow. *International Journal of Advanced Research in Medical & Pharmaceutical Sciences*. 2020. 5 (11). 1 – 4.
20. **Roopavathy, J.** and S. Rubini. Effect of *Ziziphus Jujube* Leaf Extract on Liver of Fresh Water Fish, *Oreochromis Mossambicus*. *International Journal of Advanced Research in*

Medical & Pharmaceutical Sciences. 2020. 5(5). 1 – 4.

21. **Roopavathy J** and M. Sukumaran. Effect of Sub-lethal Toxicity of Malathion on Respiratory Activity and Haematology of Common Edible Fish *Oreochromis mossambicus* (Peters, 1852). Indian Journal of Natural Sciences. 2021. 12(65). 30222 – 30235.
22. **Roopavathy J** and M. Sukumaran. Effect of Malathion Toxicity on the Histology of Commercial Important Freshwater Fish *Oreochromis mossambicus*. Indian Journal of Natural Sciences. 2021. 12(65). 30186 – 30198.
23. Sruthi, D.S. and **J. Roopavathy**. A Comparative Study on the Assessment of Insect Species Composition in Rural and Urban Areas of Selected Districts in Kerala, India. International Journal of Innovative Research in Technology. 2021. 7(12): 359 – 364.
24. Anusha, C. C. and **Dr. J. Roopavathy**. A Survey on the Species Composition of Decapod Crustaceans in Dharmadam Coast, Kannur District, Kerala. International Journal of Creative Research Thoughts. 9(5): f173 - f183.
25. Sreelakshmi, S. R. and J Roopavathy. Comparison of Insects Species Composition in Natural, Semi-Natural and Man-Made Ecosystems at Kuttiady Village, Kozhikode District, Kerala, Southern India. Journal of Emerging Technologies and Innovative Research. 2021. 8(5): e43 - e51.
26. Shilpa, P and **J. Roopavathy**. Short-Term Assessment on the Species Composition of Marine Molluscan Fauna in Dharmadam Island, Kannur District, Kerala. International Journal for Research in Applied Science & Engineering Technology. 2021. 9 (5):828 – 834.
27. Sonia S and **J. Roopavathy**. Sustainable Production of Fish *Oreochromis mosssambicus* and Green Gram *Vigna radiata* in Recirculating Aquaponics System. International Journal for Research in Applied Science & Engineering Technology. 2021. 9(4): 1129 – 1135.
28. Jesma, J. and J. Roopavathy. Baseline Study on Species Composition of Coleopterans in A Rural Area of Karakkamala, Wayanad District, Kerala, Southern India. Baseline Study on Species Composition of Coleopterans in A Rural Area of Karakkamala, Wayanad District, Kerala, Southern India. 2021. 12(66). 31343 - 31351.
29. Nanthini Devi, K., P. Raju, P. Santhanam, S. Dinesh Kumar, N. Krishnaveni, **J. Roopavathy** and P. Perumal. Biodegradation of low-density polyethylene and polypropylene by microbes isolated from Vaigai River, Madurai, India. Archives of Microbiology. 2021. <https://doi.org/10.1007/s00203-021-02592-0>.

## National

1. **Roopavathy, J.** Screening of *Ionidium Sufruiticosum*, *Indigofera Eaneaphylla* and *Tribulus Terrestris* for Antifungal Properties. Journal of Eco Toxicological Environmental Monitoring. 2012. 22(3). 295 – 300.

2. **Roopavathy.**, Induced Breeding of Common Carp By Intramuscular Injection of Siddha Medicine – Kumarilegiyam. Journal of Eco Toxicological Environmental Monitoring. 22 (4) 385 – 388.
3. Gokulakrishnan, S., Ramakrishnan, N, **Roopavathy, J.** Ant Diversity in Three Selected Localities of Thanjavur and Cuddalore Districts of Tamil Nadu. Indian Journal of Applied Research. 2014. 4(9). 561 – 565

10) Proceedings - 4

11) Book Publications – 2

### **International National**

12) Participation in Conference - 03

13) Participation in Seminar - 41

14) Participation in Workshop - 22

15) Participation in Faculty Development Program – 32

16) Conference/ Seminar/ Workshop Organized

- Symposium – 2
- International Symposium – 2
- Lecture Workshop – 2
- Science Academy Lecture Series – 2
- Seminar – 8
- Training Program – 8
- Popular Lecture Series – 1

17) Member in Board of Study

BOS Member in PG Zoology Board, Nirmala College for Women, Coimbatore.