STAFF PROFILE

1) Name : Dr. R. Dhivya

2) Designation : Assistant Professor in Zoology

3) Department : PG and Research Department of Zoology

4) Qualification : Ph. D Zoology

5) Experience : **Teaching** : 4 years & 4 months **Research** : 12 years

6) Area of Specialization (s) : Entomology, Mosquito Vector Control, Microbiology

7) E-mail : dhivya.adu@gmail.com

8) Academic Qualifications : M.Sc., M. Phil., Ph.D

9) **Research Publications**

International

1. Dhanalakshmi D, **Dhivya R** and Manimegalai K, Antibacterial activity of selected medicinal plants from South India, *Hygeia Journal for Drugs and Medicines* (2013), 5(1): 63-68.
2. **Dhivya R** and Manimegalai K, Wing Shape Analysis of the *Japanese encephalitis* vector *Culex gelidus* (Diptera: Culicidae) at the Foot Hill of Southern Western Ghats, India, *World Journal of Zoology* (2013), 8(1): 119-125.
3. **Dhivya R** and Manimegalai K, Comparitive ovicidal potential of the flower and leaf extracts of *Calotropis gigantea* against the filarial vector *Culex quinquefasciatus* (Diptera: Culicidae), *International Journal of Recent Scientific Research* (2013), 4(6): 735- 737.
4. **Dhivya R** and Manimegalai K, Preliminary phytochemical screening and GC- MS profiling of ethanolic flower extract of *Calotropis gigantea* Linn. (Apocyanaceae), *Journal of Pharmacognosy and Phytochemistry* (2013), 2(3): 28-32.
5. **Dhivya R** and Manimegalai K, Mosquito repellent activity of *Calotropis gigantea* (Apocynaceae) flower extracts against the filarial vector *Culex quinquefasciatus, Hygeia Journal for Drugs and Medicines* (2013), 5(2): 56-62.
6. **Dhivya R** and Manimegalai K, *In silico* molecular docking and molecular dynamics applications in the designing of a new mosquito repellent from the plant *Calotropis gigantea* targeting the odorant binding protein of *Culex quinquefasciatus, International Journal of Pharmaceutical and Phytopharmacological Research* (2013), 3(2): 134-138.
7. **Dhivya R** and Manimegalai K, *In silico* molecular docking studies on phytocompounds from the plant *Tagetes erecta* targeting the odorant binding protein of *Culex*

quinquefasciatus, *International Journal for Pharmaceutical Research Scholars* (2014), 2(4): 370-374.

8. **Dhivya R** and Manimegalai K, Design and discovery of novel therapeutic natural repellent against *Culex quinquefasciatus* from the plant *Thevetia peruviana* by *in silico* approach, *International Journal of Pharmaceutical Research and Development* (2014), 5(11): 014-020.
9. **Dhivya R** and Manimegalai K, *In silico* studies for the identification of novel repellent compounds in *Tagetes erecta* against the odorant binding protein of *Culex quinquefasciatus*, *World Journal of Pharmaceutical Research* (2014), 3(8): 831-841.
10. **Dhivya R** and Manimegalai K, Phytochemical Screening and analysis of active secondary metabolites present in the ethanolic extract of *Calotropis gigantea* leaves using GC-MS technique, *World journal of Pharmacy and Pharmaceuticals Sciences* (2016), 5(10): 1510-1523.
11. Aswathy PV and **Dhivya R**, Qualitative phytochemical screening and mosquito repellency of *Chromolaena odorata* (Asteraceae) leaf extract against adults of *Culex quinquefasciatus* (Diptera: Culicidae), *Indo Am. J. Pharm. Sci* (2017), 4(03): 698-705.
12. Anuskha Dishani U and **Dhivya R**, Preliminary phytochemical profiling and ovicidal potential of *Carica papaya* leaf extracts against the filarial vector *Culex quinquefasciatus* (Diptera: Culicidae), *International Journal of Mosquito Research* (2017), 4(3): 01-08.
13. Kirubamathi C and **Dhivya R**, Screening of *Lawsonia inermis* (Lythraceae) leaf extract for its ovicidal efficacy against the mosquito *Culex quinquefasciatus* (Diptera: Culicidae), *International Journal of Science and Research* (2017), 6(4): 1530-1536.
14. Philosia A and **Dhivya R**, Phytochemical composition and ovicidal efficacy of *Catharanthus roseus* leaf extract against the mosquito *Culex quinquefasciatus* (Diptera: Culicidae), *Journal of Entomology and Zoology Studies* (2017), 5(3): 44-49.
15. Mary Cynthia D and **Dhivya R**, *In vitro* studies on the biocontrol potential of fish species *Carassius auratus* against mosquito *Culex quinquefasciatus, International Journal of Advance Research and Innovative Ideas in Education* (2018), 4(4): 343-349.
16. Hridya Rajan, P and **Dhivya R**, 2018. Phytochemical profiling and Ovicidal efficacy of *Boswellia sacra* Resin extracts against the filarial vector *Culex quinquefasciatus* (Diptera: Culicidae), *International Journal of Mosquito Research* (2018), 5(4): 01- 06.
17. Jasna NP and **Dhivya R**, Antibacterial activity of solvent extracts of *Nigella sativa* seeds against selected bacterial strains, *International Journal of Zoology Studies* (2018), 3(4): 49-53.

18. Sajani Jose, **Dhivya R** and Sujatha K, Antifeedant activities of solvent extract of *Piper nigrum* corns against the cotton pest *Helicoverpa armigera*, *International Journal of Advance Research and Innovative Ideas in Education* (2018), 4(5): 132-137.
19. Jasna NP and **Dhivya R**, Screening of solvent extract of *Syzygium cumini* leaf for its antibacterial activity, *EPRA International Journal of Multidisciplinary Research* (2018), 4 (12): 146 – 152.
20. Nithya R and **Dhivya R**, Phytochemical Screening and Repellent Activity of Leaf Extracts of *Ocimum basilicum* and *Albizia amara* against the Mosquito *Culex quinquefasciatus*, *International Journal of Research and Review* (2019), 6(3): 164-170.
21. Shyna R and **Dhivya R**, Antibacterial Activity and Phytochemical Analysis of Solvent Extracts of *Psidium guajava* and *Albizia amara* Leaves against Selected Bacterial Strains, *International Journal for Innovative Research in Multidisciplinary Field* (2019), 5(3): 237-246.
22. Sudhapriya A and **Dhivya R**, Phytochemical Screening and Larvicidal Efficacy of Solvent Extracts of *Delonix regia* Leaf and Flower against Vector Mosquito *Culex quinquefasciatus*, *International Journal of Research and Review* (2019), 6(3): 206-214.
23. Sajani Jose, Ranjima R, **Dhivya R** and Sujatha K, Antibacterial and antioxidant activity of *Garcinia cambogia* leaf extracts, *International Journal of Research and Analytical Reviews* (2019), 6(1): 93-99.
24. Sini G Nath and **Dhivya R**, Phytochemical Analysis, Antioxidant and Antibacterial Properties of *Phyllanthus emblica* Leaf Extracts against Selected Bacterial Isolates, *International Journal of Science and Healthcare Research* (2019), 4(2): 20-28.
25. Blessy George and **Dhivya R**, Phytochemical Screening and Antifungal Activity of Solvent Extracts of *Averrhoa bilimbi* Leaves against *Aspergillus niger* and *Rhizopus stolonifer*, *International Journal of Science and Healthcare Research* (2019), 4(2): 29-37.
26. Shyna R and **Dhivya R**, *In vitro* Antifungal Activity of Solvent Extracts of *Psidium guajava* and *Albizia amara* Leaves against Selected Fungal Strains *Aspergillus flavus* and *Fusarium* Species, *International Journal of Research Culture Society* (2019), 3(4): 1-8.
27. Sunisha K and **Dhivya R**, GC-MS Analysis and Antioxidant Activity of Organic Extracts of *Psidium cattleianum* Leaves, *International Journal of Scientific Research in Biological Sciences* (2020), 7(2): 128-133.

National

1. Manimegalai K, Thanga Tamilmani M and **Dhivya R**, Effect of *Prosopis juliflora* leaf and seed extracts on the larvae of *Culex quinquefaciatus*, *Advances in Applied Research* (2009), 1(2): 119-125.

2. Manimegalai K, **Dhivya R** and Dhanalakshmi D, Larvicidal activity of leaf and seed of *Datura metal* on the mosquito, *Culex quinquefasciatus*, *Plant Archives* (2010), 10 (1): 245-247.
3. Manimegalai K, **Dhivya R** and Dhanalakshmi D, Effects of Ca*lotropis Procera* leaf and seed extracts as an effective agent against the larva of *Culex quinquefasciatus, Uttar Pradesh Journal of Zoology* (2011), 31(1): 83-86.
4. Manimegalai K, Annapoorani CA and **Dhivya R**, Larvicidal activity of *Thevetia neriifolia* against *Culex quinquefasciatus* (Diptera: Culicidae)L *Plant Archives* (2011), 11 (1): 491-493.

10) **Other Publications**

1. **Dhivya R**. 2009. Climate Change and Mosquito Prevalence in Coimbatore". Proceedings of Tamilnadu State council for Science and Technology (2008-2009): pp. 107-109.
2. **Dhivya R,** Manimegalai K and Kirubamathi C. 2017. Phytochemical profiling and ovicidal efficacy of leaf and flower extracts of *Lantana camara* against mosquito vector *Culex quinquefasciatus* (Diptera: Culicidae). Nirmala Annual Research Congress (NARC-2017). ISBN-978-93-5279-759-2: pp. 79-83.
3. **Dhivya R** and Jasna NP. 2018. Potential of *Lantana camara* flower to repel *Culex quinquefasciatus* mosquitoes. BioVision 2018. Proceedings of 8th National level paper presentation competition: p. 14.

11) Presentations in Conference

International

3

National

7

12) Participation in Conference

2

13) Participation in Seminar

14

14) Participation in Workshop

8

15) Conference/ Seminar/ Workshop Organized

19

16) Member in Board of Study

1. Member of PG Board of Studies in Zoology of Nirmala College for Women, Coimbatore

17) Editorial/ Review Board Member