

STAFF PROFILE

- 1) Name : Dr. ROSALINE MARY
- 2) Designation : Assistant Professor
- 3) Department : PG & Research Department of Zoology
- 4) Qualification : M.Sc., M.Phil., B.Ed., Ph.D
- 5) Experience : Teaching :17 years Research: 14 years
- 6) Area of Specialization (s) : Entomology
- 7) E-mail : rosalinmary67@gmail.com
- 8) Academic Qualifications: M.Sc., M.Phil., B.Ed., Ph.D.
- 9) Research Guidance:

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	1	4
M. Phil.	4	1

10) Research Publications

International

- **Dr. Rosaline Mary**, Comparative study of the physico- chemical characteristics of vermicompost generated by *Eisenia foetida*, *Eudrilus eugeniae* and *Perionyx excavatus* and their effect on the growth of a vegetative crop *Pisum sativum*. *International journal for research in biotechnology and microbiological engineering*, 2016. Vol 1(2):1-6.
- **Dr. Rosaline Mary**, Medicinal plant products controlling the rice weevil *Sitophilus oryzae* (Curculionidae: Coleoptera). *International journal for research in biotechnology and microbiological engineering*. 2016.Vol 1(2):7-14.
- **Dr. Rosaline Mary** and Durga Devi V, Toxic effect of *Piper nigrum* and *Zingiber officinale* extracts on the mortality of flour beetle *Tribolium castaneum* Herbst (Coleoptera: Enebrionidae) on stored wheat. *World Journal of Pharmacy and Pharmaceutical Sciences SJIF*, 2017. Volume 6, Issue 05, 1439-1446.
- Susheela, P, **Rosaline Mary.**, Radha, R, Gas chromatography and mass spectrometry of the ethanolic extract of nest material of mud dauber wasp, *Sceliphron caementarium.*, *Asian Journal of Pharmaceutical and Clinical Research*, 2018, 11(7), 234-236.
- Susheela, P, **Rosaline Mary.**, Radha, R, Biosynthesis of silver nanoparticles from the nests of the paper wasp, *Ropalidia marginata* and the mud wasp, *Sceliphron caementarium* and their antimicrobial activities, *International Journal of Pharma and Bio Sciences*, 2018, 9(4): (B) 113-123.

- Susheela, P, **Rosaline Mary.**, Radha, R, In-vitro study of the anticancer activities of silver nanoparticles synthesized from the nests of *Ropalidia marginata* and *Sceliphron caementarium*. *International Journal of Pharma and Bio Sciences*, 2018, 10(1), 55-68.
- **Dr. Rosaline Mary**, Kalaimathi, A , Namratha Parthasarathy, Comparative analysis of mixed vegetable wastes and leaf litter vermicompost using the earthworm *Perionyx excavatus* , *International Journal of Current Research in Multidisciplinary (IJCRM)*, 2019. Vol. 4, No. 3, pp. 01-06.
- **Dr. Rosaline Mary** , Namratha Parthasarathy, Kalaimathi, A, Impact of Amoxicillin and Cefadroxil on the growth and protein level of fresh water fish *Oreochromis mossambicus* , *International Journal of Current Research in Multidisciplinary (IJCRM)*. 2019. Vol. 4, No. 6, pp. 01-04..
- P. Susheela, **Rosaline Mary** and R. Radha, Studies on the physico-chemical characterization and elemental analysis of two species of wasp nests collected from Coimbatore district, Tamil Nadu, *International Journal of Advanced Life Sciences (IJALS)*, 2020.
- **Dr. Rosaline Mary**, Praveena, V, Effect of varying levels of selected plant leaf meal diet on growth performance, haematological indices and biochemical parameters of *Tilapia* fish (*Oreochromis mossambicus*), *International Journal of Creative Research Thoughts (IJCRT)*, 2020, Volume 8, Issue 8 .

National

- **Dr. Rosaline Mary**, Ecology and predatory efficiency of aquatic (Odonate) insect over the developmental stages of Mosquitoes (*Diptera: Culicidae*). *Journal of Academia and Industrial Research*, 2013. Vol .2 (7): 429-436.
- Aswathi. V, Vijimole. P. J and **Dr. Rosaline Mary** A Study on antibacterial activity of venom obtained from nasty red fire ants (*SOLENOPSIS* SP.), *Indian Journal of Applied Research*, 2020 -Volume - 10 | Issue – 7.
- Vijimole P.J., Aswathy V. and **Dr. Rosaline Mary**, Investigation of the *Pholcus phalangioides* spider web for anti bacterial activity, *Journal of Pharmaceutical and Medical Research*, 2020, Volume 7, Issue 8.

11) Presentations in Conference

International

- DST sponsored International Conference on Bioresource technology-Paper- Dr. Rosaline Mary, “Aquatic predatory insects as bioresource controlling mosquito larvae” by Dept of Botany, Nirmala College for Women, Coimbatore, on 07.10.2010 to 08.10.2010.
- International Conference on Biotechnology and its Applications in Aquaculture and Fisheries-Department of Zoology, Annamalai University, Parnagipettai, Chidambaram, on 23rd -25th Aug 2017. Paper- Jansi.A and Dr.Rosaline

Mary-“Growth-Disease resistance to dietary *Melia dubia* leaf in *Oreochromis mossambicus* against *Aeromonas hydrophila*”.

- International Conference in Malaysia -video conferencing, 3rd& 4th May, 2019 on “Emerging trends in Science and Social Science” organized by V.H.N. Senthilkumar Nadar College, Virudhunagar and Institute for Integrated Regenerative Medicine, Malaysia-Paper-ISBNNo: 78-93-81723-95-1-Biosynthesis of silver nanoparticles using Spider web extract and its antimicrobial activity.
- International Conference on Challenge to Environment and Health - Paper-“Physicochemical characteristics of mud Dauber wasp *Sceliphron caementarium* (Hymenoptera: Sphecidae) nest soil” on 30.01.2020.

National

- UGC National Conference-Medicinal plants- Present scenario and future prospects, Department of Botany, Nirmala College for Women, Coimbatore - 6th& 7th Dec 2012-Paper-Dr.Rosaline Mary, “Marketing and creating awareness on values of medicinal plants in India”,
- Regional Science Congress on Science for shaping the future of India-Department of Zoology, Kongunadu College of Arts and Science, Coimbatore. Paper-Dr.Rosaline Mary,“ Studies on some aspects of ecology and predatory efficiency of aquatic *Gerris remegis* insect over the developmental stages of mosquito”.
- UGC sponsored National Tamil Conference- Nirmala College for Women, 16th& 17th July 2015- Paper- Dr.Rosaline Mary, “Environmental Challenges and Modern Literature”
- National Conference on Indigenous medicinal plants and their therapeutic values- Karpagam University, Coimbatore, 18th & 19th Aug 2016. Paper- Jansi.A and Dr.Rosaline Mary-“Enhancement of *Trichoderma indicum* leaf dietary effects on biochemical parameters of *Oreochromis mossambicus*.”
- National Conference on Perspectives & Prospects in Aquatic Research, Kongunadu College of Arts and Science, Coimbatore.Feb-2016-Paper-Dr.Rosaline Mary and Dr.Dhanakodi, Predatory efficiency and ecology of aquatic (Heteroptera) *Diplonychus indicus* over the developmental stages of mosquitoes (Diptera: Culicidae).
- Indian Science Congress Association- National Conference, Kongunadu college of Arts & Science, Coimbatore, 7th Jan 2017. Paper- Jansi.A and Dr.Rosaline Mary,“Dietary supplementation of *Melia dubia* leaf on Haemato-Immune response of *Oreochromis mossambicus* against *Aeromonas hydrophila*”.
- Advances in Toxicological Research-2017-22nd&23rd Sep 2017, Department of Zoology, Annamalai University, Parangipettai, Chidambaram. Paper- Dr.Rosaline

Mary- “Production of vermicompost from flower waste by the earthworm *Eisenia foetida*”.

- National Conference- Indian Science congress - 9th to 11th Oct 2017, Kongunadu Arts and Science college, Coimbatore, Paper- Jansi,A and Dr. Rosaline Mary, “Anticancer activity of ethanolic extract of *Catharanthus roseus* against colon cancer cell”.
- National Conference - Indian Science congress-9th to 11th Oct 2017, Kongunadu Arts and Science College, Coimbatore, Paper- Girija,J and Dr. Rosaline Mary, “Powdered egg shell and dried banana skin influences on the growth and reproduction of *Perionyx excavates*”.
- Nirmala Annual Research Congress- Nirmala College for Women, Coimbatore, 6th Dec 2017. Paper- Vijayalakshmi and Dr. Rosaline Mary, “Biocidal activity of *Ocimum sanctum* Linn. and *Curcuma longa* powders against *Callosobruchus maculatus* Linn. in stored green gram *Vigna radiata*”.
- National Conference on Exploring Bionanoscience in Pharma, Agri, Food science and Industrial microbiology at Center for Bioscience and Nanoscience Research, Coimbatore, Paper- Effect of Palm oil with Garlic Powder and Lemon peel powder along with clay soil in the control of pulse beetle *Callosobruchus chinensis*, on 30.08.2019 to 31.08.2019.

11) Participation in Conference - 02

13) Participation in Seminar - 10

14) Participation in Workshop -06

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

- Orientation Programme on 20.01.2010 to 16.02.2010, Bharathiar University, Coimbatore.
- Refresher course in Zoology from 20.01.2012 to 09.02.2012, Bharathiar University, Coimbatore.
- Refresher course in Environmental Biology from 10.05.2017 to 30.05.2017, Bharathiar University, Coimbatore.
- Refresher course in Zoology from 20.06.2019 to 03.07.2019, Bharathiar University, Coimbatore.

16) Participation in Faculty Development Programme - 02

17) Conference/ Seminar/ Workshop Organized -26

18) Member in Board of Study

- BOS Member (Alumni) PG & Research Department of Zoology, Government Arts College, Coimbatore.
- BOS Member (AUT), UG Zoology Board, Bharathiar University, Coimbatore.
- BOS Member in UG Zoology Board, Nirmala College for Women, Coimbatore.