

Dr. (Mrs). R.GNANAMANI, M. Sc., Ph. D., SET.

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Career Objective

To become an excellent teacher for facilitating an educational atmosphere where students have the opportunity to fulfill their potential for intellectual, emotional, physical, social, spiritual and psychological growth.

Professional Experience

Designation : Assistant Professor
Department : PG and Research Department of Zoology
Institution : Yadava College, Madurai.
Experience : August 2017 to till date (3 Years).
Courses Handled : Invertebrata, Microbiology, Animal Physiology, Biotechnology, Immunology, Entomology.

Educational Qualification

COURSE	INSTITUTION	BOARD/ UNIVERSITY	YEAR OF PASSING	% OF MARKS
M.Sc. (Zoology)	Bharathiyar University, Coimbatore	Bharathiyar University, Coimbatore	2017-2019	65 %
State Eligibility Test (SET) for Lectureship in Life science	Tamil Nadu Government	Mother Teresa University for Women	April-2017	Qualified
Ph.D	Yadava College, Madurai	Madurai Kamaraj University	Awarded	2016.
M.Sc. (Biotechnology)	Lady Doak College Madurai	Madurai Kamaraj University	2007-2009	77 %
PG., Diploma in Biomolecular modeling & Dynamics.	Lady Doak College Madurai	Madurai Kamaraj University	2007-2008	82%
B.Sc. (Biotechnology)	Lady Doak College Madurai	Madurai Kamaraj University	2004-2007	76 %

Research Experience

- I have worked as a **Project fellow** under **UGC- Major Research Project** entitled on “The Effect of Azadirachtin and Plumbagin on cuticular proteins of *Pericallia ricini*” (Lepidoptera: Arctiidae) File No. 38-266/2009 (SR), Dt. 24-12-2009 in PG and Research Department of Zoology, Yadava College (Autonomous), Madurai, Tamil Nadu from May 2010 to April 2013 funded by UGC, New Delhi.

Teaching Experience

- I have worked as an **Assistant Professor in the Department of Microbiology** from June 2013- April 2014 at **Yadava College**, Madurai.
- I have worked as an **Assistant Professor in the Department of Zoology** from August 2016- December 2016 at **Lady Doak College**, Madurai.
- I have worked as an **Assistant Professor in the Department of Zoology** from December 2016- April 2017 at **Yadava College**, Madurai.
- I am working as an **Assistant Professor in the Department of Zoology** from August 2017 to till now at **Yadava College**, Madurai.

Area of Interest

- Teaching in Biotechnology, Immunology, Molecular Biology, Microbiology, Invertebrata & Chordata
- Research in Environmental Biology, Entomology and Bio informatics.

Project

Topic	Degree	Year
➤ A Comparative genomic Approach to Prediction Of sRNA in <i>Streptomyces coelicolor</i> .	B. Sc	2004-2007
➤ Isolation and characterization of Antifungal		

Proteins from <i>Polyalthia longifolia</i> against <i>Pythium aphanidermatum</i> .	M. Sc	2007-2009
➤ Docking Studies for Epidermal Growth Factor Receptor in Lung cancer.	PGDBMD	2007-2008
➤ Effect of Plumbagin and Azadirachtin on Cuticular and Haemolymph Proteins of <i>Pericallia ricini</i> .	Ph.D	2017

Hobbies

- Reading Books.
- Reading Research articles.
- Gardening.

Technical skills

- ❖ Computer Package : MS-Office. C, C++

Paper presentation

- ❖ Presented a paper entitled “Impact of Plant extracts on Digestive Enzymatic Activity on *Pericallia ricini* (Lepidoptera: Arctidae)” at the **International Conference** organized by Nirmala College for Women, Coimbatore, October, 7-8, 2010.
- ❖ Presented a paper entitled “Effect of *Delonix regia* leaf extract on the feeding physiology of a Polyphagous pest *Pericallia ricini* (Lepidoptera: Arctidae)” at the **National Conference** organized by Annamalai University, Chidambaram, March 11-12, 2011.
- ❖ Presented a paper entitled “Effect of *Delonix regia* leaf extract on the Biochemical Estimation of a Lepidopteran pest *Pericallia ricini* (Lepidoptera:

- Arctidae)”at the **State Level Seminar** organized by Sri Meenakshi Government Arts College for Women, February, 27, 2013.
- ❖ Presented a paper entitled” An Overview of Waste water Treatment Technology” at the **National Conference** organized by E.M.G. Yadava College, Madurai, February 20-21, 2015.
 - ❖ Presented a paper entitled ” The Effect Of *Azadirachta Indica* Leaf Extract On Body Tissue Protein Of Lepidopteran Pest *Pericallia ricini* (Lepidoptera: Arctiidae)” at the **National Conference** organized by Sourashtra College, Madurai, March 16, 2016.
 - ❖ Presented a paper entitled” The Bio efficacy of Plumbagin on the Tissue Protein of *Pericallia ricini* (Lepidoptera: Arctiidae)” at the **National Conference** organized by Annamalai University, Chidambaram, March 24-25, 2016.
 - ❖ Presented a paper entitled” Certain Plant Essential Oils against Antifeedant Activity Of *Pericallia ricini* (Lepidoptera: Arctiidae)” at the **International Conference** organized by Sri Meenakshi Government Arts College for Women, April, 6-7, 2016.
 - ❖ Presented a paper entitled” Risk of Heavy metal contamination in Medicinal Plants” at the **National Conference** organized by Kamaraj College, September 12, 2018.

Paper participation

Name of the institution	Seminars topic	Presentation /participation
Department of Agricultural Entomology, TNAU, Madurai	Dean SPGS Endowment Lecture on “ Insects and Languages: Implications for food and Nutritional Security”	Participation
Department of Zoology, A.P. College for Women, Palani	National Conference on “ Biodiversity & Biodiversity Act” (APBBA-19)	Participation

Department of Zoology, Madura College, Madurai	State level seminar cum Panel Discussion on “ Human-Animal Coexistence”	Participation
E.M.G. yadava Women’s college, Madurai.	National Conference on ‘ “Recent trends in Biotechnology”	Participation
Entomology Research Unit, St. xavier’s college, Palaymkottai	International Conference on “Insect Pest Management”	Participation
Department of Zoology, Yadava College, Madurai	International Conference on “ Groundwater Conference”	Participation

Paper publication

- ❖ “Effect of *Delonix regia* leaf extract on the feeding physiology of a Polyphagous pest *Pericallia ricini* (Lepidoptera: Arctiidae)” *Advances in Environmental Research*, 242-245, 2011.
- ❖ “Growth Inhibitory Activities of Azadirachtin against *Pericallia ricini* Fab (Lepidoptera: Arctiidae)” *World Journal of Zoology*, Volume: 8 (2): 185-191, 2013.
- ❖ “A Potent Insect Growth Regulator Plumbagin from *Plumbago indica* against *Pericallia ricini* (Lepidoptera: Arctiidae). *Asian Journal of Plant Science*, 1-5, 2013.
- ❖ “Impact of plant extracts on total free amino acids alterations in the haemolymph of *Pericallia ricini*”. *Journal of Entomology and Zoological Studies*. 2 (4): 62-67, 2014.
- ❖ “Efficacy of *Azadirachta Indica* Leaf Extract on the Biochemical Estimation of a Lepidopteran Pest *Pericallia ricini* (Lepidoptera: Arctiidae)”. *World Applied Sciences Journal*, 35 (2): 177-181, 2017.

Training / Workshop Programme

Name of the Institution	Area of training Programmes	Duration
V.H.N.S.N College	State level Hands on Workshop in Molecular Diagnosis of Food pathogens by 16s rRNA Sequencing (MDFPS-2020)	14.02.2020
“The Electrophoresis Institute” Yercaud	“Protein profile of Electrophoretic study”	May 20 th to 29 th , 2010
PG and Research Department of Microbiology and Biotechnology, Sengunthar Arts and Science College , Tiruchengode	All India Summer Research Training Programme on “Molecular Techniques”	May 16 th to 30 th ,2006 (15 days)
Department of Zoology, Lady Doak College, Madurai	Basic Techniques in Biology	April 21 st to May 13 th ,2005 (23 days)
Lady Doak College.,Madurai-2	Development of communication & information technology skills.	17 th -26 th nov 2005

Seminar Organized:

- Organized State level intercollegiate Students Meet on “Man - Animal Conflict” in the PG and Research Department of Zoology on February 22, 2018.
- Organized State level intercollegiate Students Meet on “Man - Animal Co-existence” in the PG and Research Department of Zoology on February 09, 2019.