

PROFILE

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Career Objective

To become an excellent teacher for facilitating an educational atmosphere where students have the opportunity to fulfil 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 : July 2013 to till date.
Courses Handled : Diversity I & II, Developmental Biology, Cell Biology, Genetics, Evolution, Bio-Statistics, Bio-Chemistry, Microbiology, Animal Physiology, Economic Zoology, Nano technology, Bioinformatics, Bioinstrumentation, Biotechnology, Immunology, Entomology.

Educational Qualification

S. No.	Course	Name Of The Institution	University	Class Obtained	Month & Year of Passing
1.	State Eligibility Test (SET) for Lectureship	Tamil Nadu Government	Mother Teresa University for Women	Qualified	Feb-2016
2.	Ph. D., (Zoology)	Madurai Kamaraj University	Madurai Kamaraj University	Awarded	Aprl-2014
3.	M. Phil., (Zoology)	Yadava College, Madurai	Madurai Kamaraj University	First Class 75%	Aprl-2009
4.	M. Sc., (Zoology)	Yadava College, Madurai	Madurai Kamaraj University	First Class 79%	Aprl-2008
5.	B. Sc., (Zoology)	Raja DoraiSingam Govt Arts College, Sivagangai	Alagappa University	First Class 66%	Aprl-2006

Area of Interest

- Biodiversity in Arthropod
- Bio Nano science – Synthesis and Characterize the Silver Nano Particles against the larvicidal activity of agriculture pests.

Dissertation Details

S.No.	Course	Title of Dissertation	Guide Name
1.	Ph.D., Zoology	Diversity of millipedes and their effects on soil fertility of Alagar hills of Tamil Nadu	Dr.P.Alagesan
2.	M.Phil., Zoology	Toxicological impact of pesticide, Proclaim on <i>Mystus vittatus</i>	Dr.P.S.Navaraj
3.	M.Sc., Zoology	Study of Bioassay on <i>Bacillus thuringiensis</i> Var Kurtaki Z-52 against chosen <i>lepidopteron</i> Larva	Dr.Mathiyazhgan

Research Experience

- Worked as a Junior Research Fellow in a project entitled “Biodiversity, distribution pattern and effects of millipedes on soil fertility of Alagarmali and Sirumalai hills of Tamil Nadu” File No. 35-75/2008 (SR) dt; 20.03.2009 in PG and Research Department of Zoology, Yadava College (Autonomous), Madurai, Tamil Nadu from May 2009 to April 2012 funded by UCG, New Delhi.

Book Published

- A text book of “Invertebrates – Non-Chordates”, Saras publication, Fifth Revised edition 2019.
- A text book of “Dairy farming”, Publisher Maps Publishing Solutions. ISBN: 978-81-948160-2-7. First edition 2021.

Research Supervision / Guidance

- Completed 9 Projects for PG Students

Papers published in National and International Journals

- **Ramanathan B** and Alagesan P (2011). Population Dynamics of two millipedes in Alagarmalai Hills of Tamil Nadu, *World Journal of Zoology* **6** (4):364-369.
- **Ramanathan B** and Alagesan P (2011). Effect of climate change on millipede, *Arthrosphaera magna* in Alagarmalai Hill Reserve Forest, *ADVANCES IN ENVIRONMENTAL RESEARCH*, 16-19.
- **Ramanathan B** and Alagesan P (2012). Evaluation of Millicompost versus Vermicompost, *CURRENT SCIENCE*, 103(2):140-143.
- **Ramanathan B** and Alagesan P (2012). Isolation, characterization and role of gut bacteria of three different millipede species, *INDIAN JOURNAL OF SCIENTIFIC RESEARCH*, 55-61.
- Alagesan P and **Ramanathan B** (2012). Diversity of millipedes in Alagar Hills Reserve forest in Tamil Nadu, India. *INTERNATIONAL JOURNAL OF BIODIVERSITY* **6** (4):364-369.

- Gnanamani R and Ramanathan B (2021). Effect of azadiractin on the haemolymph protein profile of lepidopteran pest *Pericallia ricini* (Lepidoptera). *INTERNATIONAL JOURNAL OF LIFE SCIENCE* 9 (2):205-210.
- Ramanathan B, Gnanamani R and Chandran G (2021). Evaluation of insecticidal activity of biosynthesised silver nanoparticles against the cotton insect pest, *Dysdercus Cingulatus*, *INTERNATIONAL JOURNAL OF RECENT SCIENTIFIC RESEARCH*, 12 (08A):42688-42692.
- Ramanathan B, Gnanamani R and Rajkumar G (2021). Millipede- A Review, *MIDDLE-EAST JOURNAL OF SCIENTIFIC RESEARCH*, 29 (2): 126-134.

Paper Presented in Conferences

- **“Seasonal abundance of Pill Millipede, *Arthrosphaera magna* in Alagar Hills of Madurai District”** in the National Conference on Biodiversity for sustainable development: Threats, Indicators, Climate change, Poverty Alleviation and Targets for safeguarding Biodiversity organized by the Centre for Biodiversity and Forest studies, Madurai Kamaraj University, Madurai, Tamil Nadu, 25-27 August, 2010.
- **“Biology of Millipedes”** in the National Conference on Recent Trends in Biology organized by the Department of Zoology, E.M.G Yadava Women’s College, Madurai Tamil Nadu, 24th& 25th September, 2010.
- **“Population dynamics of the millipede, *Aulacobolus newtoni* in Alagamalai hill reserve forest”** in the International Conference on Bioresource technology- its application & achievements organized by the Department of Botany, Nirmala College for Women, Coimbatore, Tamil Nadu, 7th& 8th October, 2010.
- **“Effect of climate change on millipede, *Arthrosphaera manga* in Alagarmalai hill reserve forest”** in the National Conference on Advances in environmental research: An interdisciplinary approach organized by the Department of Zoology, Annamalai University, Chidambaram, Tamil Nadu, 11th& 12th March, 2011.
- **“Millipedes species in Sirumalai hills of Tamil Nadu”** in the National Seminar on Emerging trends in conservation science organized by the PG and Research Department of Zoology and Wildlife Biology, A.V.C College, Mayiladurai, Tamil Nadu 22nd and 23rd March 2011.
- **A preliminary study on biosynthesized silver Nanoparticles in Agricultural pest control** in the National conference on Environmental sustainability health and pollution abatement organized by Department of zoology M.S.S. Wakf Board College, Madurai, Tamil Nadu 2nd March 2020.

Seminars and Conferences Participated

- A one day National Level Awareness Programme on Biodiversity & Biodiversity Act held on 25th September 2019, organized by Internal Quality Assurance Cell in collaboration with National Biodiversity Authority, Arulmigu Palaniyandavar Arts College for Women, Palani, Tamil Nadu.
- International conference on Modern Biology and Environmental management held on 27th and 28th January 2017, organized by the Department of Zoology, Vivekanandha College of Arts and Sciences for Women, Elayampalayam, Namakkal Dt. Tamil Nadu.
- National seminar on Role of Nuclear Energy for Sustainable future development and environmental safety held on 5th February 2016 organised by P.G and Research Department of Physics and Zoology, Raja Doraisingam Govt. Arts College, Sivagangai, Tamil Nadu.
- National Seminar on Women Empowerment and Globalization held on 22nd January 2015 organized by Women’s Studies Centre, Madurai Kamaraj University, Madurai.

- State level seminar on Soft Skills for Professional Success held on 20th October 2015 organized by Department of Commerce (Retail Marketing), Yadava College (Autonomous), Thiruppalai, Madurai Dt. Tamil Nadu.
- UGC sponsored Orientation Programme for Teachers held on 7th and 8th August, 2014 organized by Internal Quality Assurance Cell (IQAC), Yadava College (Autonomous), Thirupali, Madurai, Tamil Nadu.
- Fourth International Groundwater Conference held on 27 to 30th September 2011 organized by PG and Research Department Zoology, Yadava College, Madurai, Tamil Nadu.
- State Level Seminar on Biotechnology held on 1st March 2007 organized by Post Graduate and Higher Research Centre in Zoology, Yadava College (Autonomous), Madurai, Tamil Nadu.
- State level seminar on Water pollution and bioremediation held on 2nd and 3rd September 2004, conducted by the Department of Zoology – (Industrial Micro Biology), Raja Doraisingam Government Arts College, Sivadgangai, Tamil Nadu.

Workshop and Faculty Development Program Participated

- Participated in the Training Programme on Biodiversity of Marine Plankton, sponsored by Ministry of Human Resource Development (MHRD), New Delhi held at Centre of Advanced Study in Marine Biology, Faculty of Marine Sciences, Annamalai University, during 6th and 7th March 2014.
- Participation in the UGC Autonomy Grand sponsored one day workshop on “Quality Education and Human Touch” 2014 organized by Department of Economics held on 8th October 2014.
- Participated in State level two days lecture cum training programme on Research Instruments organized by the Instrumentation centre, Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi held on 28th and 29th September 2012.
- Participated in the One week training course from 6th February 2006 to 10th February 2006 in Domestic Preservation of Fruits, Vegetables and Nutrition and Mushroom Culture conducted by the Department of Botany and Zoology, Raja Doraisingam Govt. Arts College, Sivagangai, Tamil Nadu.
- Participated in the short term training course on Taxidermy, held at Government Museum, Sivagangai Dt. Tamil Nadu from 28th December 2005 to 30th December 2005

Awards and Achievements

- Certificate of Best oral presentation award in International Conference organized by Nirmala College for Women, Coimbatore held on 7th and 8th October 2010.
- Achieve 100% results in the following courses: Immunology, Biostatistics, and Genetics.

Computer Proficiency

Operating System	:	Windows7 to Windows 10.
Software	:	MS-Office Package 2013.
Typing Skill	:	English (Lower in Distinction).