

**Dr. B. RAMANATHAN, M. Sc., M. Phil., Ph. D.,**

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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** : V.O. Chidambaram College, Thoothukudi 628 008.  
**Experience** : December, 2022 **to till date**  
**Courses Handled** : Diversity I & II, Developmental Biology, Cell Biology, Genetics, Evolution, Bio-Statistics, Bio-Chemistry, Microbiology, Animal Physiology, Economic Zoology, Bioinformatics, Immunology, Entomology.

### **Educational Qualification**

<b>S. No.</b>	<b>Course</b>	<b>Name Of The Institution</b>	<b>University</b>	<b>Class Obtained</b>	<b>Month &amp;Year of Passing</b>
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	<i>First Class</i> 75%	Aprl-2009
4.	M. Sc., (Zoology)	Yadava College, Madurai	Madurai Kamaraj University	<i>First Class</i> 79%	Aprl-2008
5.	B. Sc., (Zoology)	Raja DoraiSingam Govt Arts College, Sivagangai	Alagappa University	First Class 66%	Aprl-2006

## 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

## Area of Interest

- **Biodiversity** - Biodiversity in Arthropod
- **Bio Nano science** – Synthesis and Characterize the Silver Nano Particles against the larvicidal activity of agriculture pests.
- **Organic Compost** - Preparation of millicompost by various agricultural wastes using different species of millipede and asses the efficiency of plant growth.

## 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. ISBN: 978-93-86519-42-9.
- A text book of “Dairy farming”, Publisher Maps Publishing Solutions. ISBN: 978-81-948160-2-7. First edition 2021.
- A chapter in the Book of “Sustainable Development for Future: Insights from agriculture, Health, Aquaculture, energy, Education and Environment”, Notion Press. ISBN: 979-888521899-3. Edition 2022.
- A chapter in the Book of “Fisheries, Aquaculture, Ecology and Environment” (**In Process**).

#### **Editorial Board:**

- Editorial Board member in World Journal of Zoology.

#### **Journal Citation:**

- Total Citation index: 61 (2022).

#### **Responsibilities in Colleges:**

- Assistant to Dean of Academic Affair in Yadava College from 2021 to till date
- Member in Student welfare committee from 2018 to till date
- In charge for Criteria I in the Department of Zoology.
- Student discipline committee member of Zoology Department

#### **Research Supervision / Guidance**

- Completed 10 Projects for PG Students

#### **Events organized in leading roles**

- State level seminar on Man Animal Conflict organized by PG & Research Department Zoology, Yadava College, Madurai – 22.02.2018.
- State level seminar on Man Animal Conflict organized by PG & Research Department Zoology, Yadava College, Madurai – 08.02.2019.

### **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.
- Gnanamani R and **Ramanathan B** (2021). *Pericallia ricini* – A Review. *INTERNATIONAL JOURNAL OF ENTOMOLOGY*, 6 (5):135-138.
- **Rajkumar G, Ramanathan, B** and Gnanamani, R. (2021). Efficiency of millipede and earthworm in the conversion of organic wastes. *WORLD JOURNAL OF AGRICULTURAL SCIENCES*, 17(5), 373-377.
- **Ramanathan, B** and Gnanamani, R. (2022). Analysis of Millicompost and its effects on plant growth. *UTTAR PRADESH JOURNAL OF ZOOLOGY*, 43(7), 24-32.
- **Ramanathan, B** and Gnanamani, R. (2022). Millipede Species Enrich the Fertility of Soil in Alagar Hills Reserve Forest. *PAKISTAN JOURNAL OF ZOOLOGY*, 1-9.
- **Ramanathan, B** and Gnanamani, R. (2022). Millipede Species Enrich the Fertility of Soil in Alagar Hills Reserve Forest. *PAKISTAN JOURNAL OF ZOOLOGY*, 1-9.
- **Ramanathan, B.** R. Gnanamani and T.S. Pathan (2022) Millipede diversity and distribution in the Sirumalai hills (Eastern Ghats), Tamil Nadu, India. *Advance Journal of Zoology*. (In Process)

#### **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, 24<sup>th</sup> & 25<sup>th</sup> 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, 7<sup>th</sup> & 8<sup>th</sup> 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, 11<sup>th</sup> & 12<sup>th</sup> 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 22<sup>nd</sup> and 23<sup>rd</sup> 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 2<sup>nd</sup> March 2020.

## **Seminars and Conferences Participated**

- A one day National Level Awareness Programme on Biodiversity & Biodiversity Act held on 25<sup>th</sup> 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 27<sup>th</sup> and 28<sup>th</sup> 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 5<sup>th</sup> 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 22<sup>nd</sup> January 2015 organized by Women's Studies Centre, Madurai Kamaraj University, Madurai.
- State level seminar on Soft Skills for Professional Success held on 20<sup>th</sup> 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 7<sup>th</sup> and 8<sup>th</sup> August, 2014 organized by Internal Quality Assurance Cell (IQAC), Yadava College (Autonomous), Thiruppali, Madurai, Tamil Nadu.
- Fourth International Groundwater Conference held on 27 to 30<sup>th</sup> September 2011 organized by PG and Research Department Zoology, Yadava College, Madurai, Tamil Nadu.

- State Level Seminar on Biotechnology held on 1<sup>st</sup> 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 2<sup>nd</sup> and 3<sup>rd</sup> 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 6<sup>th</sup> and 7<sup>th</sup> March 2014.
- Participation in the UGC Autonomy Grant sponsored one day workshop on “Quality Education and Human Touch” 2014 organized by Department of Economics held on 8<sup>th</sup> 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 28<sup>th</sup> and 29<sup>th</sup> September 2012.
- Participated in the One week training course from 6<sup>th</sup> February 2006 to 10<sup>th</sup> 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 28<sup>th</sup> December 2005 to 30<sup>th</sup> December 2005

### **Awards and Achievements**

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

### **Technical skill**

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

### **Personal Details**

Father's Name	:	M. Baluchamy
Age & DOB	:	34 & 04. 07. 1984
Language Known	:	Tamil and English
Religion	:	Hindu
Community	:	BC
Nationality	:	Indian

### **Declaration**

I declare that all the above revealed particulars are true to best of my knowledge and belief.

Yours Sincerely

**(Dr. B. Ramanathan)**