

## Curriculum Vitae

**Dr. P. Parvathiraj**

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### Education

- ❖ **Ph.D., Zoology**, 2016, Sri Paramakalyani Centre for Environmental Sciences, Manonmaniam Sundaranar University, Tirunelveli.
- ❖ **M.Sc., Zoology**, 2015, Periyar University (PRIDE), Salem.
- ❖ **B.Ed., Biology**, 2010, Sri Rama Nallamani Yadava College, Tenkasi.
- ❖ **B.Sc., Zoology**, 2006, St. John's College, Manonmaniam Sundaranar University, Tirunelveli.
- ❖ **HSC - Maths Biology**, 2003, TPS. Govt. Boys. Hr. Sec. School, Pavoorchathiram.
- ❖ **SSLC**, 2001, Govt. High. School, Melapavoor.

### Experience

S.No	Institution	Designation	From	To	Duration
1	Department of Zoology, Sri Ram Nallamani Yadava College of Arts and Science, Tenkasi	Assistant Professor	May 2021	October 2025	4 Years 05 Months
2	Department of Microbiology, Sardar Raja Arts and Science College, Vadakkankulam - Tirunelveli.	Assistant Professor	June 2019	May 2021	02 Years
3	Department of Microbiology, San International College of Arts and Science, Walayar - Coimbatore	Assistant Professor	July 2018	May 2019	11 Months
4	Department of Microbiology, Sri Ram Nallamani Yadava College of Arts and Science, Tenkasi	Assistant Professor	June 2017	October 2017	05 Months
5	Department of Biotechnology, AVS College of Arts and Science, Salem	Assistant Professor	June 2016	March 2017	10 Months

### Administrative Experience

S.No	Position Held	Name of the Institution	Duration		Years of Experience
			From	To	
1	Tutor UGC-COC (Medical Lab Technology)	Department of Zoology Sri Paramakalyani College Alwarkurichi-627412	2012	2015	3
2	Tutor UGC-COC (Vermitechnology)	Department of Zoology Sri Paramakalyani College Alwarkurichi-627412	2012	2015	3

### Research Experience: 4 Years

I had completed as a **JRF** in a **UGC** sponsored Major Research Project (**39-665/2010**) entitled “Molecular studies on the frontal gland secretion and its ethological impact on reproduction in family Hipposideridae”, from 02.05.2011 to 31.05.2014.

Research Specialization: *Bat Ethology, Microbes & Molecular Biology*

### Title of the Dissertation & Thesis of the Research Degrees

- ✚ **Ph.D., Thesis:** “Molecular studies on the frontal gland secretion and its ethological impact on reproduction in family Hipposideridae”.
- ✚ **M.Sc., Dissertation:** Screening of Potential assessment of nitrifying bacteria from soil samples
- ✚ **B.Sc., Dissertation:** Antimicrobial and wound healing potential of the medicinal plant *Curcuma longa*

### Research Publications in National and International Journals

1. Velpandi S, Muthuselvam S, Parvathiraj P, Paramanatha Swami Doss D and Sudhakaran M. R. Insect population in Agroecosystems: The bats contribution to integrated pest management strategies. CIB Tech Journal of Zoology. (2024) Vol 13, pp.47-53.

2. Parvathiraj Paramasivan, Anantha Kumar Thangaiya, Mahesh Ramasmy & Muthukrishnan Sudalai. Isolation, identification and characterization of bacteria from paddy and betel soils of chittar region, Tenkasi District. *Transdis. Ins. Life.Sci.* (2023) 1(2): 69-78.
3. Perumal Mariselvi, Parvathiraj Paramasivan and Anantha Kumar Thangaiya. Photocatalytic activity of metal oxide/kaolinite nanoparticles under UV light irradiation. *Transdis. Ins. Life.Sci.* (2023) 1(1): 17-25.
4. S. M. Ramalekshmi, DC. Anushiya, E. Santhiya, M. Mathevan Pillai, R. Uma, R. Mahesh, P. Parvathiraj, M. R. Sudhakaran<sup>1</sup> and S. Darwin Paul Edison and Rashida Banu AM. Preliminary, Phytochemical and Antibacterial Activity of medicinally important plant - *Cissus quadrangularis* L. against some Clinical pathogens. *International Journal of Food and Nutritional Sciences*, Dec 2022, Vol 11(8): 637-650.
5. E. Santhiya, M. Jasline Pravina, A. Vengadeswari, S. M. Ramalekshmi, D.C. Anushiya, R. Uma, R. Mahesh, B. Parthipan, K. Petchimuthu and Parvathiraj, M.R. Sudhakaran and S. Darwin Paul Edison, S. Sreelaja and AM Rashida Banu. Phytochemical Analysis and Antimicrobial Activity of *Citrus lemon* and *Citrus medica*. *Mukt Shabd Journal*, Dec 2022, Vol 11 (12): 701-712.
6. Velpandi S, Muthuselvam S, Parvathiraj P, Paramanantha Swami Doss D and Sudhakaran M. R. Prey consumption by insectivorous bats in agroecosystem, a study using insect capture and faecal pellet analysis. *Journal of Xi'an Shiyou University, Natural Science Edition*, September 2022, Vol 18 (9): 869-884.
7. Muthuselvam S, Parvathiraj P and M. R Sudhakaran. Acoustic variation and flying behaviour of Microchiropterans. *Journal of Interdisciplinary Cycle Resaech*, Feb 2021, Vol 13 (2): 599-606.
8. Shalom Cru A, Parvathiraj P, Easwari SVP, Mahesh R. Status and Preservation of Medicinal Plants of India for Future Generation. *Nature of Pharmaceutical Technology*, 2020;10(2):1-4.
9. P. Parvathiraj, V.G.Darsana, M. R. Sudhakaran, G. Raju, D. Selvaraj. Prey consumption and dietary composition of four Yangochiroptern species in Tirunelveli district. *RJLBPCS*, Jan – Feb 2019, Vol 5(1): 932-942.

10. P. Parvathiraj, N. Subash, M. Mariselvan, M. R. Sudhakaran, S. Muthuselvam, U. Ramesh and G. Raju. Fungal diversity in bat roost area of Western Ghats Cave of Tirunelveli District. IJRAR, Jan-March 2019, Vol 6(1): 435-442.
11. M. Mariselvan, U. Ramesh, M. R. Sudhakaran, G. Raju, P. Parvathiraj and S.Selvakumar. Effect of pH on Plasma Cholesterol and glucose levels on fresh water fish *Cyprinus carpio*. RJLBPCS, 2019, 5 (1):332-340.
12. Parvathiraj. P., Sudhakaran. M. R. and Narayanan K. R. Antimicrobial activity and Phytochemical analysis of *Anisomeles malabarica* R. Br. Nature of Pharmaceutical Technology, 2016,6(2):1-6.
13. Parvathiraj. P, Sudhakaran. M. R, Athinarayanan. G and Narayanan. K.R. Phytochemical analysis and antibacterial activity of seed extracts of *Macrotyloma Uniflorum* (Horse Gram). The Asia Journal of Applied Microbiology, 2015, 2(1):1-9.
14. Sudhakaran M.R. Paramanatha Swamidoss D., Parvathiraj P. Postnatal growth in *Pteropus giganteus*. Asian J. Exp. Bio. Sci. 2013, Vol 4(1): 123-128.
15. Sudhakaran M. R. Paramanatha Swamidoss D., Parvathiraj P. Distribution of Pteropodid Bats in Tirunelveli, Tuticorin and Kanyakumari Districts of Tamilnadu, South India. International Journal of Scientific Research, 2013, Vol 2 (3):3-7.
16. Paramanatha Swamidoss D., Parvathiraj. P and Sudhakaran M. R. Parturition and postnatal growth of Dusky Leaf -nosed bat, *Hipposideros ater*. Asian journal of Animal Science, 2013, 1-14.
17. Kalirajan, K. R Narayanan, A. J. A Ranjitsingh, C. Ramalakshmi and P. Parvathiraj. Bioprospecting medicinal plant *Aerva lanata* Juss. ex Schult. flowers for potential antimicrobial activity against clinical and fish-borne pathogens Indian Journal of Natural Products and Resources, 2013, Vol.4(3): 306-311.
18. Paramanatha Swamidoss D., Sudhakaran M. R. and Parvathiraj P. Habitat Preference of Microchiropteran Bats in three Districts of Tamilnadu, South India. International Research Journal of Biological Sciences, 2012, Vol. 1(5): 24-30.
19. Sudhakaran M. R. Paramanatha Swamidoss D., Parvathiraj P. Emergence and returning activity in the indian flying fox, *Pteropus giganteus* (chiroptera: pteropodidae). International Journal of Geography and Geology 1(1):1-9,2012.

20. Sudhakaran M. R. Paramanatha Swamidoss D., Parvathiraj P. Male-Male Interaction in Indian Flying Fox *Pteropus giganteus*. Small Mammal Mail, 2012, Vol 4 (2): 34.
21. P. Parvathiraj, R. Manonmani and M. R. Sudhakaran. PH effect on plasma protein level of fresh water fish *Cyprinus carpio* (L.). Int. J. Applied BioResearch , 2012, Vol(11):11-14,.
22. Parvathiraj, P. Sudhakaran M. R. Savarimuthu Michael, Narayanan, K. R and Viswanathan. S. Nitrifying bacterial screening from paddy fields and potentiality assessment. Journal of Parama, 2012, 1 (1):31-39.

#### **NCBI – Gen Bank Accession Numbers**

1. GenBank: JQ687525.1 *Hipposideros bicolor* voucher SPKC 01 cytochrome c oxidase subunit I (CO1) gene, partial cds;mitochondrial
2. GenBank: JQ687526.1 *Hipposideros speoris* voucher SPKC 02 cytochrome c oxidase subunit I (CO1) gene, partial cds;mitochondrial
3. GenBank: JQ687527.1 *Hipposideros ater* voucher SPKC 03 cytochrome c oxidase subunit I (CO1) gene, partial cds; mitochondrial
4. GenBank: JX500416.1 *Pteropus giganteus* voucher SPKC 04 cytochrome c oxidase subunit 1 (COI) gene, partial cds; mitochondrial
5. GenBank: JX500418.1 *Rousettus leschenaultii* voucher SPKC 05 cytochrome c oxidase subunit 1 (COI) gene, partial cds; mitochondrial
6. GenBank: JX500417.1 *Cynopterus sphinx* voucher SPKC 06 cytochrome c oxidase subunit 1 (COI) gene, partial cds;mitochondrial

#### **Paper Presented in International Conference/ Seminar**

1. Paper Presented in the “Proceedings of the International Conference on Recent Trends in Biological Science” organized by Department of Zoology, Sri Paramakalyani College, Alwarkurichi on 29.8.2025.
2. Participated in the “Training Program on Climate Literacy, Forest & Biodiversity Awareness” organized by Kamarajar Government Arts College, Surandai and District

Climate Change Mission, Tenkasi District on 10-03-2025.

3. Paper presented in the One Day National Conference On “Biodiversity Restoration: Current Trends and Emerging Opportunities” organized by Department of Zoology, St. Xaviers College, Palayamkottai on 21<sup>st</sup> February 2024.
4. Poster presented in the “International Seminar on Microbes and Climate Change” organized by Department of Microbiology, Sri Paramakalyani College, Alwarkurichi on 17<sup>th</sup> July 2019.
5. Paper presented in the “First International Conference on Contemporary Research Trends in Mycology and MycoTechnology (CRTMMT-2019)” organized by Department of Biotechnology, Mother Teresa Women’s University, Kodaikanal on 24<sup>th</sup> and 25<sup>th</sup> January 2019.
6. Paper presented in the International Conference on Nanomedicine (ICON-2019)” organized by School of Chemistry and School of Biotechnology, Madurai Kamaraj University, Madurai on 25<sup>th</sup> and 26<sup>th</sup> February 2019.
7. Paper Presented & Participated in National Seminar Participated in the Red Ribbon Club Programme Officers Meet and the Peer Educators Training programme sponsored by TANSACS, Chennai held at Manonmaniam Sundaranar University, Tirunelveli held on February 05, 2020.
8. Paper presented in the “National Seminar on Plant Management Through Ayurveda” Conducted by the P. G Department of Zoology & Research centre, Sri Parasakthi College for Women, Courtallm on 9<sup>th</sup> October, 2017.
9. Paper presented in the National Conference on “Functional Domains of Zoology” Conducted by the Department of Zoology, Sri Paramakalyani College, Alwarkurichi on 13<sup>th</sup> March 2017 and won the best paper award.
10. Paper presented in the National conference on “Biomaterials in Medicinal Chemistry (BMC- 2015)”, held at the Department of Natural Products Chemistry, School of Chemistry, Madurai Kamaraj University, Tamilnadu on 21<sup>st</sup> & 22<sup>nd</sup> December, 2015.
11. Paper presented in the National level seminar on Current Trends in Biodiversity Conservation and Forest management (CTBCFM-2014)” organized by Centre for Biodiversity and Forest Studies, Periyar University, Salem, held on 6<sup>th</sup> and 7<sup>th</sup> January 2014.

12. Participated in the 100<sup>th</sup> Indian science congress Association held at Calcutta University, Kolkata, January 3 to 7, 2013.
13. Participated in the 99<sup>th</sup> Indian science congress Association held at KIIT University, Bhubaneswar, January 3 to 7, 2012.
14. Participated in National Seminar on Biotechnological Interventions in Green Technology for sustainable Agriculture (BIGSTA- 11) organized by Dept of Biotechnology, Sri Paramakalyani College, Alwarkurichi, held on 22<sup>th</sup> and 24<sup>th</sup> September 2011.
15. Participated in the National Seminar on Microbes and Man organized by Dept of Microbiology, Sri Paramakalyani College, Alwarkurichi, held on 18<sup>th</sup> and 19<sup>th</sup> March 2011.
16. Participated in the Care in Emergency (Role of Nurse) for the CNE Programme held on 7<sup>th</sup> to 17<sup>th</sup> June 2010.
17. Participated in the regional seminar on Frontiers of Phytomedicines and Biological Science organised by Department of Pharmaceutical Biotechnology, Sri Ram Nallamani Yadava College of Arts and Science, Tenkasi held on 22<sup>nd</sup> and 23<sup>rd</sup> September 2010.
18. Participated in the Regional seminar on Recent Trends in Biotechnology organized by Department of Biotechnology, Sri Paramakalyani College, Alwarkurichi held on 23<sup>rd</sup> and 24<sup>th</sup> February 2007.

### **Training / Workshop Attended**

1. Attended in the Hands- on training on “Biodiversity Assessment, Microbial Diversity, Ecosystem Monitoring and Conservation Planning” organized by the Hubert Enviro Care System Pvt, Chennai and Mangalore Chemicals Fertilizers (MCF), Mangalore, from 05-05-2025 to 10-05-2025.
2. Attended a workshop on DST-SERB sponsored “Two Days Workshop on Composting for Waste Management” organized by Department of Plant Science, Manonmaniam Sundaranar University, Tirunelveli held on February 20<sup>th</sup> to 21<sup>th</sup> 2025
3. Attended a National workshop on Microbial tool and Bioremediation (NWMB-2017) on 09<sup>th</sup> and 10<sup>th</sup> February, 2017 at Jayaraj Annapackiam College for Women

- (Autonomous), Periyakulam, Tamilnadu.
4. Attended a training programme on Microbial techniques, organized by Center of Advanced Study in Marine Biology, faculty of Marine sciences, Annamalai university, Parangipattai held on 16<sup>th</sup> & 17<sup>th</sup> March, 2014.
  5. Attended a workshop on Characterization Techniques in Chemical Sciences, organized by Department of Chemistry, National Institute of Technology, Tiruchirappalli held on July 9<sup>th</sup> to 11<sup>th</sup> 2014.
  6. Attended a workshop on Conservation and Management of Chiropterans (Bats) the Keystone species of Tropical Ecosystem, organized by Department of advanced Zoology and Biotechnology, Sarah tucker College, Tirunelveli held at Karaiyar held on February 20,2011.
  7. Attended a workshop on Seminar cum workshop on Natural Dyes organized by Botany, Sri Parasakthi College for Women, Courtallam held on 8<sup>th</sup> February 2007.

#### **MEMBER IN COMMITTEES**

Served as Member of the following Committees of Sri Ram Nallamani Yadava collge of Arts and Science.

- Member of the Attendance Committee
- Member of the Flying Squad
- Member of the NAAC Committee
- Member of the Campus Discipline Committee

#### **ASSOCIATION WITH INDUSTRIAL VISIT AND EDUCATIONAL TOUR**

- Deputed to accompany the final year B.Sc Microbiology students for two days Educational Tour-cum-Industrial Visit to Fruit Preservation unit, Coonoor during September 2024.
- Deputed to accompany the final year B. Sc Zoology/ Microbiology students for two days Educational Tour to Kodaikanal during January 2023.

#### **MEMBERSHIP IN ACADEMIC BODIES**

- External Examiner – Department of Zoology and Common Board Sadakathullah Appa College (Autonomous), Rahmath Nagar, Kamaraj Nagar, Tirunelveli, Tamil Nadu 627011.

External Examiner – Evaluation –UG Zoology Allied Board, Manonmaniam Sundaranar University, Tirunelveli.

Served as the Co-ordinator of the Standard club of Sri Ram Nallamani Yadava College of Arts and Science for three years from March 2022 to March 2025.

### **M. Sc. Degree (Microbiology/ Biotechnology) Awarded:**

Submitted to Bharathiar / Periyar University/ MSU (M.Sc. Dissertation)

- ❖ Ranjini, T. Microbial analysis of Cosmetic Talcum Powder and Design of an Effective Preservation, 2025.
- ❖ Yogesh, T. Isolation, Identification and Characterization of microbes collected from the Western Ghats cave, 2023.
- ❖ Gopika, D. Extraction of surface protein from *Lactobacillus acidophilus* and used as Biopreservative in liquid food, 2019.
- ❖ Anjana, S. Molecular characterization of carbapenem resistant *Klebsiella pneumoniae* and study on alternative medicine using gold Nanoparticles, 2019.
- ❖ Manikandan, A. Antimicrobial activity and Phytochemical screening of fruits extracts of *Citrus lemon* and *Citrus medica* against some selected bacterial pathogens, 2017.
- ❖ Dinesh, C. Aqueous, methanol and petroleum ether extracts of *Moringa oleifera* for antimicrobial efficacy against gram positive and gram-negative bacterial organisms, 2017.

### **Contributed to books**

S. No	Title	Authors/ Co-Authors	Publisher	Year	ISBN
1	Food and Nutrition A Lecture Note	Dr. P. Parvathiraj Dr. S. Darwin Paul Edition Mrs. A. M. Rashida Banu	Iterative International Publishers Karnataka, India	2022	978-1-68576-389-3
2	Lecture Notes on Computer and Bioinformatics	Dr. P. Parvathiraj Dr. S. Ramalakshmi Dr. R. Mahesh	Department of Botany, S. T. Hindu College, Nagarcoil - 629 002.	2020	978-93-5408-262-7

### Conference/ Seminar Organized

Level	Seminar Title	Date	Place	Role Played
State	“State Level Intercollegiate Meet Micro Palooza-2025”	07.02.2025	Department of Microbiology, Sri Ram Nallamani Yadava College of Arts and Science	Organizing Secretary
State	“State Level Intercollegiate Meet Life Science”	27.09.2024	Department of Microbiology, Sri Ram Nallamani Yadava College of Arts and Science	Organizing Committee Members

### Webinar Conducted

Sl. No	Name of the Topic	Level	Date	Role
1.	Covid-19 Awareness Online Quiz 2k20	National	18-28 June 2020	Organizing Secretary
2.	World Yoga Day Online Quiz 2k20	National	13-30 June 2020	Organizing Secretary

### Technical skills

- **Taxonomy:** Identification of bat species
- **Behavioural Sciences:** Study on ethology of bats in diurnal and foraging roosting sites (Field observations)
- **Sericulture, Apiculture and Vermitechnology:** Practical knowledge on commercial culture of silkworm and honeybee.
- **Molecular Genetics:** PCR-based RT-PCR, RAPD, RFLP and AFLP technologies, DNA Barcode.

**References:**

<p><b>Dr. V. Elangovan,</b> Professor &amp; Head, Department of Applied Animal Sciences, Babasaheb Bhimrao Ambedkar University, Lucknow – 226 025, <b>UTTAR PRADESH</b> Mobile: 9235565647 Email: elango70@yahoo.com</p>	<p><b>Dr. U. Ramesh,</b> Assistant Professor &amp; Head (i/c), Department of Molecular Biology, School of Biological Sciences, Madurai Kamaraj University, Madurai – 625 021. Mobile No: 9489014892 Email: urameshmku@gmail.com</p>
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**Declaration:**

I **Dr. P. Parvathiraj** hereby declare that all the statements made in this application are true, complete and correct to the best of my knowledge and belief and in the event of any of the information being found false or incorrect or any ineligibility being detected before or after the interview, my candidature is liable to be cancelled and action initiated against me.

Place: Madurai

Date: 10/02/2026

( **P. PARVATHIRAJ** )