

Name: Dr. Gandhimathy Selvaraj

Designation: Assistant Professor

Department: Zoology

Qualification: M.Sc., M.Phil., B.Ed., Ph.D.

Experience: Teaching - 7 Years | Research - 5 Years

Area of Specialization(s): Entomology

Email (Official ID): gandhimathy@psgrkcw.ac.in

Contact No.: 9976137831



Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Zoology	Bharathiar University	2021
State Eligibility Test	Life Sciences	Mother Teresa University	2016
B.Ed.	Biological Science	Tamil Nadu Teacher Education University	2015
M.Phil.	Zoology	Bharathiar University	2014
M.Sc.	Zoology	Periyar University	2011
M.Sc.	Biochemical Technology	Madurai Kamaraj University	2003
B.Sc.	Zoology	Madurai Kamaraj University	2001

Additional Qualifications

- Diploma in Patent Law-NALSAR University, Hyderabad-2009
- Certificate in Introductory Course in Sanskrit-Indian Academy of Sanskrit and Culture, Madurai-2000
- Certificate-Prathmic (Hindi)-Dakshina Bharat Hindi Prachar Sabha, Madras-2000
- Diploma-Computer Application-Madurai Kamaraj University- 1999
- CTET-Central Teaching Eligibility Test-CBSE, New Delhi-2015

Professional Experience

1. Assistant Professor, PSGR Krishnammal College for Women, Coimbatore TN. June 2019-Till date
2. Teaching Assistant, & M. Sc Course Organizer, Department of Biochemistry, School of Biological Sciences, Madurai Kamaraj University, TN, August-2004-November 2004
3. Project Assistant level II, Homi Bhabha Centre for Science Education-TIFR, Mumbai, Maharastra from 2004- 2007
4. Project Assistant Level II, CSIR-Unit for Research and Development of Information Products, Pune, Maharastra, 2008-2009

Awards / Fellowships

1. Senior Research Fellowship (ICMR), 2017.
2. University Rank Holder (IV Rank, B.Sc. Zoology, Madurai Kamaraj University).

Funded Projects

S.NO.	Project title	Name of the agency	Amount	Status
1	Characterization and evaluation of Mosquito lures from <i>Tabernamontana divaricata</i> R.Br.exRoem, & Schult and Synthetic Blends. (PI)	GRG Trust Research Project (2020–2023)	100000	Completed
2	Formulation and Design of Probiotic Supplements Isolated from <i>Camponotus compressus</i> for Rheumatoid Arthritis-(Co-PI)	GRG Trust Research Project (2023–2024)	100000	Ongoing

Research Publications

1. Gandhimathy S, and Jeyasankar A (2018). Toxicity of *Tarenna Asiatica* (L.) KuntzeEx K (Schum) on mosquito pupae. Global Journal of Bio-Science and Biotechnology, 7 (4): 575-579.
2. Gandhimathy S, and Jeyasankar A (2018). Larvicidal properties of *Psychotria octosulcata* (W. A. Talbot.) (Rubiaceae) crude extracts on human vector mosquitoes *Aedes aegypti* (Linn.), *Culex quinquefasciatus* (Say.) and *Anopheles stephensi* Liston. Journal of Entomology and Zoology Studies, 6(1):1190-1195.
3. Muralisankar, T., Saravana Bhavan, P., Gandhimathy, S., Radhakrishnan, S., Seenivasan, C. and Aarumugam, P. (2014). In-vitro antibacterial activity of Zinc and

Copper nanoparticles against Gram-negative bacteria *Aeromonas hydrophila*. Malaya Journal of Biosciences, 1(3).

Book Chapter Published- Nair, Sreekala K., and K. B. Sujatha, editors. Monitoring and Prevention Strategies for Air, Water, and Soil Pollution. Environmental Science for Sustainable Future, National Academic Press, 2025. ISBN 978-93-49036-91-8.

Genbank submission- KY923288 - *Bacillus cereus* strain from mosquito waste enriched soil-2017

Paper Presentations in Conferences

- Gandhimathy S. Rithesh Khunyakari, and Chitra Natarajan. (2009). “Middle school students’ knowledge about static and dynamic artefacts studied through their drawings and descriptions” in epiSTEME-3, Third international Conference on Science, Technology and Mathematics Education, at HBCSE, Mumbai. http://cvs.gnowledge.org/episteme3/pro_pdfs/16-gandhi-rk-cn.pdf
- Jeyasankar A and Gandhimathy S (2017). Mosquitocidal properties of *Syzygium lineare* (Myrtaceae) against medically important Mosquito vectors” in 10th NABS National conference on “Recent trends in Life Sciences: Research, Practices and Application for Sustainable Development” held during 7-8th September 2017 at Bharathiar university, Coimbatore in collaboration with SERB, DRDO, Indian National Science Academy, TNSCST, National Biodiversity Authority of India.
- Gandhimathy S and Jeyasankar A (2018). Insecticidal properties of *Capparis divaricata* Lam. against *Aedes aegypti* Linn. and *Spodoptera litura* Fab. in International Conference on Pytomedicine hosted by Bharathiar University at Coimbatore during 29th to 31st August 2018 and sponsored by National Biodiversity of India, SERB, DRDO.

Abstract publication

- Miruthulaa, M., Kavya, M., & Gandhimathy, S. (2022, February 24–25). In silico molecular docking study for the identification of effective phytochemical attractant targeting odorant binding protein of common mosquito vector. In Proceedings of the International Virtual Conference on Biological Innovations and Computational Exploration for Pandemic Challenges (BICPAC'22), Department of Biotechnology, Bishop Heber College, Tiruchirapalli.

- Rashika Shree, V. M., & Gandhimathy, S. (2024, September 18–19). Bee the cure: Therapeutic properties of bee venom sourced from *Apis cerana indica*. Paper presented at the International Conclave on One Health, Centre for Life Sciences, PSGR Krishnammal College for Women, Coimbatore, India.
- Jayapushpa, K., Miruthula, D., & Gandhimathy, S. (2025, September 29–30). Enhanced wound healing potential of *Piper nigrum*-derived silver nanoparticles. Paper presented at the International Conference on Advances in Life Science (ICALS 2025), PG & Research Department of Zoology, The American College, Madurai, India.

Workshops / Training/FDP -17

Bioinformatics, Statistical Analysis using R, SPSS and Excel, Big Data Analytics, Universal Values, Teaching Strategies, and Health Research Fundamentals (NPTEL), Generative AI (Coursera), Python using AI -2025, DNA Barcoding-2025, Refresher Course in Life Sciences-CUK, Kasaragod, 2025.

International Design Patent: Cork Screw Petri Dishes for Plastic Free Sealing- UK
Design number: 6375453

Reviewer

- Entomologia Hellenica
- African Journal of Biomedical Research
- Journal of Angiotherapy

Membership in Professional Bodies

- BYST Mentoring India Programme
- Fireflies Asian Association

Academic Contributions

- Redressal Committee member (2025)
- **Department coordinator**
 - Research Club, DST-FIST (2023-till date), CHIRD (2024-till date), Placement (2024-till date), Alumni (2025)