

Name Dr. R. Yamuna
 Designation Assistant Professor
 Department Zoology
 Qualification M.Sc., M.Phil., Ph.D.
 Teaching Experience 4 years 2 months
 Research Experience 8 years
 Area of Entomology (Insect Therapy); Natural
 Specialization(s) Product Research
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Academic Qualifications

Degree	Branch	Institution / University	Year
Ph.D.	Zoology	Kongunadu Arts and Science College / Bharathiar University	2019
M.Phil.	Zoology	Kongunadu Arts and Science College / Bharathiar University	2017
M.Sc.	Zoology	Bharathiar University (SDE)	2014
B.Ed.	Biological Science	Avinashilingam University For Women	2012
B.Sc.	Zoology	Avinashilingam University For Women	2011
Diploma	Graphics & Multimedia Technologies	Avinashilingam University For Women	2011

Research Guidance

Programme	Completed	Pursuing
Ph.D.	1	2

Research Publications

Ashwathi K. Anand & Yamuna Ramakrishnan. (2025). In Vitro Evaluation of Antidepressant Potential of Bee Pollen Collected from Nilgiri Biosphere Nature Park, Coimbatore.

Yamuna Ramakrishnan & Ashwathi K. Anand. (2025). Mineral Content, Antioxidant and Antimicrobial Analyses of Bee Pollen Collected from Nilgiri Biosphere Nature Park, Coimbatore.

Yamuna Ramakrishnan & Zahra Ahsan Kabeer V.K. (2024). In vitro Anti-cancer Activity of Tetraponera rufonigra Extract on Breast Cancer Cell Line MB-231.

Paviya Sri Natchimuthu & Yamuna Ramakrishnan. (2023). Review on – A Better World for Street Dogs.

Karthika Kaliraj et al. (Yamuna Ramakrishnan as co-author). (2023). Antimicrobial Activity of Bio-waste Mediated Zinc Oxide Nanoparticles against Human Pathogens.

Yamuna Ramakrishnan et al. (2023). Anti-obesity, Anti-diabetic and Anti-inflammatory Activities of *Camponotus compressus* Extract; In vitro and In silico Studies.

Vishnupriya R., G. Yamuna, & R. Yamuna. (2022). Water Quality Analysis of Kaveri Water of Mukkombu in Thiruchirapalli, Tamil Nadu during Monsoon Period.

Pandeeswari M., Selvaraju R., Mathai M.T., & Yamuna R. (2022). Larvicidal Activity of Different Solvent Extracts of *Nerium oleander* Against *Aedes*, *Anopheles*, and *Culex*.

Vishnupriya R., G. Yamuna, & R. Yamuna. (2021). *Helopeltis theivora* (Tea Mosquito Bug) – A Major Pest in Tea Crop: A Review.

Yamuna R., & Vinothini M. (2021). *Andrographis paniculata* Mediated Biosynthesis of Silver Nanoparticles and its Antibacterial Activity Against Human Pathogens.

Yamuna R., & Selvaraju R. (2020). Chitosan Extraction and Its Characterization from Black Ant *Camponotus compressus*.

Yamuna R., & Selvaraju R. (2020). Preliminary Studies on Antioxidant Activity of Extract Obtained from Black Carpenter Ant *Camponotus compressus*.

Yamuna R., & Raja S. (2019). Exploration of Bioactive Compounds from *Camponotus compressus* Using Gas Chromatography–Mass Spectroscopy for Therapeutic Applications.

Yamuna R., & Raja S. (2019). Utilisation of Weed Species *Ageratum conyzoides* as Sources of Silver Nanoparticles and Exploring Its Antibacterial Activity.

Yamuna R., & Raja S. (2019). Evaluation of Antimicrobial Activity of Different Solvent Extracts of *Camponotus compressus*.

Rajmohan D., Ranjithkumar R., Logankumar K., Sagadevan P., Chandrashekar B., & Yamuna R. (2016). Green Route Synthesized Silver Nanoparticles as Potential Antibacterial Material.

Patent

Design Patent Granted – Portable Compost Container

Workshops and Courses Attended

08–10 Feb 2010 — Multimedia – Creativity and Creation — Dept. of Computer Science, Avinashilingam University for Women, Coimbatore

11–12 Feb 2016 — Applications of Statistical Tools using SPSS – Hands-on Experience — Kongunadu Arts & Science College, Coimbatore

01 Jul 2016 — Spawn Production and Mushroom Cultivation — PG & Research Dept. of Biotechnology, Kongunadu Arts & Science College

21-22 Dec 2017 — Next Generation Sequencing Data Analysis — PG & Research Dept. of Biotechnology, Kongunadu Arts & Science College

27 Dec 2017 — Homology Modelling and Molecular Docking – Hands-on Training — Indian Science Congress Association & Kongunadu Arts & Science College

08-09 Jan 2018 — Science Academies' Lecture Workshop – Current Trends in Microbiology and Zoology — PSGR Krishnammal College for Women

22-23 Jan 2018 — Bioprospecting: Instrumentation Methods and Phytochemical Analysis — Institute of Forest Genetics and Tree Breeding, Coimbatore

07-09 Mar 2018 — Nanobiotechnology Workshop — Pralhad P. Chhabria Research Center, Pune

05 Apr 2018 — International Workshop on Materials for Energy, Environment and Biological Applications — Kongunadu Arts & Science College

18-31 Aug 2018 — Science Academies' Refresher Course on Insect Bioresources and Human Welfare — Science Academies, India

20 Sep 2018 — National Level Training Programme on HPLC Technique — Indian Science Congress Association & Kongunadu Arts & Science College

08 Oct 2018 — Bio-Statistical Analysis through SPSS Software Package — Kongunadu Arts & Science College

15 Oct 2018 — Error-free Manuscript Writing for Science Journals — Sri Ramakrishna Mission Vidyalaya College of Arts & Science, Coimbatore

FDPs and Training Programmes

2023 — BIO-AI: 3 days Hands-on Training in Computational Biology — GRG BIRAC EYUVA - PSGRKCW

2023 — Faculty Enhancement Programme — PSGRKCW Teaching Learning Centre

2023 — Design and Development of Industry-led Curriculum in Technological Era — Association of Indian Universities & AMET University

2023 — Industry 4.0 Technologies: Application in Manufacturing Supply Chain — Electronics & ICT Academy, NIT Patna

2022 — Transforming education during the celebration of International Day of Education — Tamil Nadu State Council for Science and Technology

2022 — ZOOLOGY In 21st CENTURY — Department of Zoology, Shivaji University, Kolhapur

Online Courses

Coursera — The Science of Stem Cells; Bugs 101: Insect–Human Interactions; Antimicrobial resistance; Basic Excel; Paleontology; Forensic Science

IUCN - Nature's crown jewels: An introduction to Natural World Heritage

Paper Presentations

12–13 Mar 2012 — Direct Evaluation — UGC Sponsored Student's Workshop on Evaluation and Examination Reforms

16 Feb 2016 — Mosquito growth with reference to water quality — National conference on Perspectives and Prospects in Aquatic Research, Kongunadu ASC

15 Feb 2018 — Toxicity of synthesized metal nanomaterials on Environment: A Review — Jamal Mohamed College

16 Feb 2018 — Nanoemulsion of Ageratum conyzoides and its larvicidal activity against Culex — JKKN College of Arts & Science

19–21 Sep 2019 — Impact of Innovations in Science and Technology for Societal Development (Best Oral Presentation Award) — Kongunadu ASC

03 Mar 2022 — Insects and Their Products Used in Unani Medicine — Dept. of Ilmul Advia, A.K. Tibbiya College, AMU, Aligarh

Participation in Seminars / Conferences (As Participant)

08 Dec 2015 — Emerging Trends in Biosciences — Kongunadu ASC

25 Jun 2016 — Identifying & Protecting Indigenous Knowledge — JSS College of Pharmacy, Ooty

07 Sep 2016 — Nanotechnology in Biological Sciences — Kongunadu ASC

29 Dec 2017 — Biodiversity: A Multifaceted Component of Ecosystem — Kongunadu ASC & Indian Science Congress

22–24 Aug 2017 — International Conference on Environment, Genes, Health & Diseases — Bharathiar University

09 Feb 2018 — Bioprospecting and Conservation of Bioresources — Kongunadu ASC

Funded Projects

S.NO.	Project title	Name of the agency	Amount	Status
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1	Development and characterization of Solid Lipid Nanoparticles containing Ageratum conyzoides plant leaves extract for Tea Mosquito Bug control	TNSCST – Student project fund (2021)	7,000	Completed
2	Formulation and Design of Probiotic Supplements Isolated from Camponotus compressus for Rheumatoid Arthritis	GRG Trust Research Project (2023–2024)	100000	Ongoing

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
Indian Science Congress Association (ISCA)	Life Member	Since 2016
Indian Entomology Society	Member	2023–2024
National Service Scheme (NSS)	Student Volunteer	2008–2010
Dr. Ambedkar Studies Center	Student Member	2010–2011

Honors

Honors	Agency/Institute	Year
Best Paper Award - Preparation and Characterization of a Plant Based Nanoemulsion for Agricultural Application	ISCA (Kolkata) / Kongunadu ASC	2017
Certificate of Merit - BIOSUMMIT 2018	Hindusthan College of Arts & Science	2018
Best Paper Presentation Award - Nanoemulsion of Ageratum conyzoides	JKKN College of Arts & Science	2018
Best Oral Presentation Award - Impact of Innovations in Science and	Kongunadu ASC	2019

Technology for Societal Development		
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Contribution

- Core Member – CIIED
- In-charge - NET/SET Science Cluster
- AI Ambassador