

Name: Sheeba. M

Designation: Assistant Professor

Department: Zoology

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

Experience: Teaching -10 Years

Research: 8Years

Area of Specialization(s): Micropaleontology

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



AcademicQualifications

Degree	Branch	Institution/UniversityName	Year of Graduation
Ph.D.	Zoology	University of Madras, Chennai.	2013
M.Phil.	Zoology	V. O. Chidambaram College, Tuticorin.	2008
M. Sc.	Zoology	St. Mary's College, Tuticorin.	2005
B.Sc.	Zoology	St. Mary's College, Tuticorin.	2003

AdditionalQualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/University/AgencyName	Year
Certification	Coursera	American Museum of Natural History	2023
Certification	Ignitex	Wadhwani Foundation	2025

ResearchGuidance

Programme	No.of Scholars
P. hD	2

Research Publications (Indexed)

Ecology and biodiversity of benthic foraminifera from a coral island of the Gulf of Mannar Biosphere Reserve, south western Bay of Bengal” International Journal of Earths Sciences and Engineering, February 2013, Vol. 5, No. 1. Impact factor - 0.108

Ecology and Biodiversity of benthic foraminifera from Puluvinichalli coral island of the Gulf of Mannar Biosphere Reserve, South-western Bay of Bengal” International Journal of Earth Sciences and Engineering, December 2012, Vol. 5, No. 6. Impact factor - 0.108

Sheeba.M and Mohanraj. T (2017) Distribution of Benthic Foraminifera Around Six Coral Islands off Tuticorin, Bay of Bengal, World Journal of Zoology 12 (2): 22-29

Sheeba.M and Adarsh. P (2017) Ecology and distribution of benthic foraminifera from a coral island of the Gulf of Mannar Biosphere Reserve, Adv. Appl. Res., Vol.9, No.1, pp 37 – 44.

Mohanraj.T, Sheeba. M, Sherly Cross. S.R.T. and Jebarani Rajathy.T (2021) “Seasonal variation of heavy metals in the intertidal gastropod *Trochus radiatus* from Tuticorin waters of south east coast of India" Open Journal of Marine Science, 11, 92-102. Impact factor: 1.08.

SheebaMaxwalt, Kumutha Rahupathya, Siva Nandhini Suresh, RameshSubramani, Charumathi Pushparaj. “Synthesis of eco-friendly nanocomposite with silver nanoparticle to increase the antimicrobial activity”. Available online 1 March 2022, Version of Record 23 June 2022. <https://www.sciencedirect.com/science/article/pii/S2214785322010124?via%3Dihub>

G. Priya, N. Aarthi, M. Sheeba, Vimala Bangarusamy (2021). Studies On Textile Effluent Affected Some Vegetable Crops And Their Biochemical Parameters, Poll Res.40 (3): 1074-1077.

Preethika AL, Arya T, Vishnu Priya S, Sheeba M, Gandhimathy S (2024) Evaluation of secondary metabolites, anti-oxidant, anti-bacterial, anti-inflammation and anti-cancer activity of *Elaeocarpus variabilis* L. leaf and stem. *Biochem. Cell. Arch.* Vol 24, Supplement. 1, December 2024.

Book Chapter Published

Wiley book chapter

<https://onlinelibrary.wiley.com/doi/book/10.1002/9781119858041>

- Nanovaccinology As Targeted Therapeutics -Chapter 8 - Biological, Electronic-Filter, Influx and Theoretical Practicalities of 2-Chloro-6-Nitroaniline (2C6NA) Crystals for Biomedical and Microelectronics Tasks (Pages: 145-155)
- Nanovaccinology As Targeted Therapeutics - Chapter 11 - Biocurative, Tribological, Electro-Functionalities of ZnO-MIZN Nanoparticles (Pages: 183-194)

- Nanovaccinology As Targeted Therapeutics - Chapter 12 - Nanotubular Device Effect, Super Cell Effectiveness, Hirshfeld Energy Analysis and Biomedicinal Efficacy of 2-Fluoro-5-Nitro-Aniline (2F5NA) Crystals (Pages: 195-212)
- Book Chapter: Nair, S.K. & Sujatha, K.B. (Eds.) (2025). Monitoring and Prevention Strategies for Air, Water, and Soil Pollution. National Academic Press.

Letter of Appreciation

Received the certificate of appreciation from the Tamilnadu Science Forum and the State Level Academic Committee for 24th National Children's Science Congress – 2016.

Acted as a Resource Person

Acted as one of the Resource person on 3rd April 2020 in the 21 day online “Summer Training Course on Advances in LifeSciences” organized by the P. G. and Research Department of Zoology, Jamal Mohamed College, Tiruchirappalli, conducted between 29th March and 18th April 2020.

Acted as one of the Resource person on 23rd August 2024 and delivered a lecture on “Anti-Microbial Resistance” at P.K.R. Arts College for Women, Gobichettipalayam.

Acted as one of the Resource person on 6th January 2024 and delivered a lecture on “Tiny fossils, Giant insights” at V. O. Chidambaram College, Tuticorin.

Acted as one of the Chief guest on 30th August 2024 and presided over the Sports Day at St. Aloysius G.H.Sec. School Tuticorin.

Acted as one of the Resource person in Tamilnadu Science Forum, The Institute of Mathematical Sciences, All India People's Science Network at National Children's Science Congress – 2025.

Reviewer in journal

Annotations and Suggestions on Elephant Proof Trenches to Reduce Human Elephant Conflicts in Coimbatore Forest Division South India," for Journal of Tropical Life Science.

Paper Presentations in Conference

Participated in the seminar on “Mariculture of Molluscs” organized by the Department of Zoology, St. Mayr's College, Thoothukudi on 4th February 2005.

Participated and Presented a paper entitled “Recent benthic foraminifera from two coral island off Tuticorin, SE coast of India” in the XXII Indian Colloquium on Micropalaeontology and Stratigraphy, organized by PG & Research Department of Geology, National College, Tiruchirappalli, on 16th December 2009.

Participated and Presented in the Workshop on “Coastal Environments” organized by Department of Geology, University of Madras held on 24th March 2010.

Participated and Presented on going PhD research in the “PhD Scholars Intra-Departmental seminar” conducted by the Department of Applied Geology, University of Madras, Chennai, held on 16th December 2010.

Participated and presented a research paper entitled “Benthic foraminifera as a proxy for monitoring Coral islands off Tuticorin” in the National Seminar on “Basins of India, their resources and Management” held in the Department of Earth Sciences, Annamalai University, on 17th and 18th February 2011

Participated and Presented in the International Seminar on “Climate Change and sustainable Resource Management” held between 25th & 26th February 2011 in the Department of Geography, University of Madras.

Paper presented in the two days’ National Seminar on “Coastal Hazards, Resources & Management” held on 25 & 26 March 2011 in the Department of Marine Geology, Mangalore University.

Participated and presented in the National seminar on “Marine Bioresources: Prospects and Threats” organized by the Department of Zoology, St. Mary’s College, Thoothukudi on 11th & 12th February 2016.

Participated and presented in the International conference on “Conservation of natural resources” and Inauguration of 100th chapter of Oisca-International, South India, Trichy held at PG and Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanpatti on 17th September 2016.

Presented a paper on “Ecology of Tuticorin and Vembar Group of Islands, Gulf of Mannar” in the International Conference on Bio-Commerce 2019, organized by Department of Zoology and Research Centre, Aditanar College of Arts and Science held on 14-15 March, 2019.

Presented a paper on “Benthic Foraminiferal Assemblage Analysis in the Gulf of Mannar” in the National Symposium on Environment, Health and Disease: Ecogenetics and Toxicogenomics, organized by PG and Research Department of Zoology, V.O.Chidambaram College, Tuticorin held on 3rd – 4th October, 2025.

Presented a paper on “Assessing Coral Ecosystem Health Through Benthic Foraminiferal Assemblage Analysis in the Gulf of Mannar” in the International Conference on Advances in Life Science, organized by PG and Research Department of Zoology, The American College Madurai held on 29-30 September, 2025.

Participation in Workshop

Two Day National Workshop on “Technology Enablement for Outcome Based Education” held on 15.12.2016 to 16.12.2016 organised by IQAC, PSGR Krishnammal College for Women, Coimbatore.

Two Day National Workshop on “Creation and Nurturing Women Tech-entrepreneurs” at Chennai on 27th – 28th February, 2017.

Workshop on “Scholarly Publication, Citation, Impact Factor, Plagiarism and Reference Management Tools for Research” held on 02/02/2019 organised by Department of General Library and Department of Economics, PSGR Krishnammal College for Women, Coimbatore.

Participated Two Day Virtual (On-line) Workshop on "Life Sciences Technologies for Promotion of Scientific Research and Development" conducted by PSGR Krishnammal College for Women held on 02.10.2020 - 03.10.2020.

2 days (05 & 06 May 2022) - Training - In-service teachers training program, Tamil Nadu State Council for Higher Education during at Government Arts College, Udhagamandalam

5 days (14/11/2022 – 18/11/2022) - Hands on Training on "Basics of DNA Fingerprinting, Tamil Nadu Agricultural University, Coimbatore

Participation in Faculty Development Programme

Faculty Development programme on “Entrepreneurship” from 01.11.2016 to 14.11.2016 ogansied by IEDC of PSGR Krishnammal College for Women, Coimbatore.

Faculty Development programme in Entrepreneurship, Innovation and Incubation at VIT University, Vellore on 22nd May to 3rd June 2017.

Faculty Development programme on “Introduction to Entrepreneurship” held on 26/07/2018 ogansied by PSGR Krishnammal College for Women, Coimbatore.

Faculty Development programme on “Internet of Things” held on 28/08/2018 ogansied by Department of BCA, PSGR Krishnammal College for Women, Coimbatore.

Participated Two-Day FDP on Virtual Teaching conducted by Coimbatore Institute of Technology held on April 20 & 21, 2020.

6 days (28/03/2022 – 02/04/2022) - FDP - Recent trends in Entomology

Participationin Webinar

Participated Webinar on Environmental Day 2020 conducted by Government Arts College, Udthagamandalam held on 05/06/2020.

Participated Webinar on "Bacterial Virulence: Perceptive and Pragmatic approach” conducted by Department of Microbiology, Indian Academy Degree College-Autonomous, Bangalore held on 5th May 2020.

Conference/Seminar/WorkshopOrganized

Two days Lecture Series Workshop on “Current Trends in Microbiology and Zoology” organized by the Department of Zoology of our college, held on 8th and 9th January, 2018 sponsored by the Indian Science Academy of Sciences.

Two weeks Faculty Development Programme on Entrepreneurship (IEDC) sponsored by DST during October 3rd to October 15th 2018.

Grants

- Have been selected for one of prestigious fellowships by Department of Science & Technology, Ministry of Science & Technology, New Delhi as a Women Scientist.
- Successfully handled a project entitled “Ecology of benthic foraminifera as proxy or monitoring coral reefs” under the scheme of Women Scientist (March 2010 to March 2013).
- Handled a project entitled “Extraction and application of chitin from fish scales” under the GRG Institutions funding. (September 2018 to September 2020).

Membership in Professional Bodies

Member of The Micropalaeontological Society which is a scientific society based in the UK

Awards/Honors

Honoured with the Pearl Foundation - Best Assistant Professor award in the National Conference “Smart summit - 2017” on 10/12/2017.

Contribution

- Acting as a Member for Audit Committee
- Department Association In-charge and BOS member
- Naturalist association incharge
- UBA training
- IEDC incharge
- My Classroom incharge
- Placement incharge
- Community oriented service incharge
- ARIIA - Coordinator
- NAAC – Evaluative report (Institution level)