

◆ MODERN EDUCATION SOCIETY'S ◆
NOWROSJEE WADIA COLLEGE, PUNE
FACULTY ACADEMIC PROFILE



[Dr.GUNWWATI ARRAKK]

[ASSISTANT PROFESSOR] • [Zoology]

Highest Qualification: [Ph.D]

Specialization: [Limnology]

Official College Email: gunwatiarak@nowrosjeewadacollege.edu.in

PROFESSIONAL SNAPSHOT

Dr. Gunwwati Arrakk is a **Gold Medalist in Zoology, Ph.D. in Zoology, DST-INSPIRE Fellow** awardee, researcher and experienced **Zoology educator** with a strong academic and research profile. Her research expertise encompasses **Freshwater Zooplankton, DNA Barcoding, Molecular Taxonomy, Biodiversity, Aquatic Ecology, Molecular Identification and Conservation Biology**, with particular interest in rotifers and copepods. She has authored/co-authored **12 research papers and one book chapter** in reputed scientific publications and has research experience involving molecular and biodiversity-based approaches. She has substantial experience in **undergraduate and postgraduate teaching, practical laboratory training, student mentoring, field-based studies, academic coordination and research guidance**. Her academic interests focus on integrating **research-oriented, practical and experiential learning** into Zoology education. She is also a **patent holder**, reflecting her interest in innovation and applied scientific research. Her Google Scholar profile documents her scholarly contributions and publications.

EDUCATION

Qualification	University / Institution	Year
Ph.D]	[DR.Baba saheb Ambedkar Marathwada University]	[2016]
[M.Sc Zoology	[DR.Baba saheb Ambedkar Marathwada University]	[2011]

TEACHING & ACADEMIC INTERESTS

• **Molecular Taxonomy & DNA Barcoding** • **Entomology** • **Zooplankton Biology** • **Nematology & Parasitology**

RESEARCH & PUBLICATIONS | OPTIONAL

Research Area: Liminology, COI Gene-Based DNA Barcoding of Zooplankton and Aquatic Fauna, Aquatic Ecology and Environmental Monitoring ,Freshwater Zooplankton Diversity, Ecology and Molecular Identification and Nematology.

Selected Publications: 1.Dr. Sangeeta Bhimrao Dongre , Dr. D. N. Chinte , **Dr.Gunwati Arak** Pooja Sonawane , Dr. Shivaji Gyanba Jetithor , Dr. Vamseedhar Annam, “Targeted Drug Delivery Systems for Cancer Therapy: Recent Trends and Challenges”, IJDDT, Volume16 Issue 5 , 2026, 1129-1136.

2.**Gunwati V. Arak, Satish S. Mokashe**, “Potential of fresh water rotifer, *B.calyciflorus* as live feed” *International Journal of Science and Research (IJSR)*, 2015, 4, 10, 1403-1406.

3. **Dr. A. V. Andhale and Dr. Gunwati V. Arak**, “ Study of Zooplankton diversity in Pashan lake, Pune, Maharashtra, India” *International journal of analytical and experimental model analysis*.Volume XII, ISSUE V, MAY-2020.

Research Profile: [Dr. Gunwati Arak – Google Scholar Profile](#)

ACHIEVEMENTS & PROFESSIONAL DEVELOPMENT | OPTIONAL

- **[Gold Medalist** in M.Sc Zoology, DST-INSPIRE Fellowship Awardee, **Dr. V. S. Lomte Award**, M. Sc. Zoology Awardee ,**Dr. R. Nagabhushanam Paritoshik**, M. Sc. Zoology Awardee **Dr. R. Krishnamurthy Paritoshik**, M. Sc.Zoology Awardee.
- **Eminent scientist Award in Zoology, SSRD (Govt. of Telangana) A.P.**
- **Patent Holder** – Granted patent in the field of Zoology :- “**Parasitic Sample Analysis Device**”.
- **ICT-enabled teaching and digital learning programmes** for effective classroom and laboratory teaching.

- Participated in **Faculty Development Programmes (FDPs)** related to higher education, teaching methodologies, research and academic development.- IISER, Pune
- Participated in professional development activities focused on **student-centred learning, assessment methods and outcome-based education**:- Hyderabad, A.P
- Participated in **curriculum planning, syllabus implementation and academic scheduling** for undergraduate and postgraduate Zoology courses.
- Designed and conducted **theory, practical and laboratory-based teaching** in various areas of Zoology.
- Guided and mentored students in **academic projects, dissertations, field studies and research-oriented activities**.
- Organized and participated in **field visits, biodiversity surveys, specimen collection, and identification and laboratory practical's**.
- Supported **departmental seminars, workshops, guest lectures, conferences and student academic activities**.

ACADEMIC RESPONSIBILITIES | OPTIONAL

- Planning and implementing **course curricula, lesson plans and academic schedules** in accordance with university guidelines.
- Conducting **internal examinations, practical examinations, assessments and evaluation** as assigned.
- Supervising and maintaining **Zoology laboratories, teaching specimens, museum collections, instruments and practical resources**.
- Participating in **departmental meetings, curriculum-related activities, admission processes and institutional committees**.
- Contributing to **NAAC/IQAC documentation, departmental records, academic reports, and institutional quality initiatives**.
- Organizing and coordinating **seminars, workshops, guest lectures, student activities, and academic outreach programmes**.
- Supporting **student placement and career-development activities** within the department.
- Mentoring students regarding **higher education, research opportunities, competitive examinations, and career development**.
- Contributing to the overall **academic development and effective functioning of the Department of Zoology**.