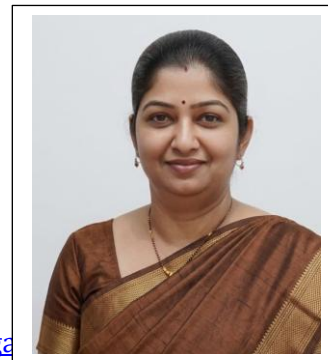


L.A.D. & Smt. R.P. College for Women, Nagpur

FACULTY PROFILE

❖ Basic Information

- **Name:** DR. DEWASHREE A. NAGARKAR
- **Designation:** Assistant Professor
- **Department:** Zoology
- **Area of Specialization:** Cell Biology
- **VIDWAN ID-** 448236
- **ORCID ID-** 0009-0005-8661-8411
- **Google Scholar ID-** G2B2KyoAAAAJ&hl=en
- **LinkedIn:** <https://www.linkedin.com/in/dr-dewashree-naga>



❖ Educational Qualifications: M.Sc., M.Phil., B.Ed., Ph.D.

❖ Total Teaching Experience: 20 Years

❖ Research Experience

- Total Research Experience: 11yrs
- Areas of Research Interest: Zoology, Cell Biology, Entomology, DNA Analysis, Behavioural study

❖ Research Publications

(A) Research Papers in National/ International Journals

- Dewashree Nagarkar, Gayatri Chawhan and Zafera Khan. A comparative study of haemin crystal characteristics in common animal source bloodstains. Research Journal 2025; 21(1): 153-157. ISSN 0974-0317.
- Dewashree Nagarkar and Deepak Barsagade. Anatomical distribution of sensory cuticular structures on the *Myrmecaria brunnea* thorax. Int. J. Biol. Sci. 2025;7(6):327-330. DOI: 10.33545/26649926.2025.v7.i6e.396
- Deepak D. Barsagade, Dewashree A. Nagarkar, Jitendra R. Kirsan (2019). Surface ultrastructure of antenna and distribution of sensilla in *Leptogenys chinensis* (Mayr) (Fabricius) (Formicidae: Hymenoptera). Journal of Applied Biology and Biotechnology, 7(2): 1-6.
- Barsagade D. D., Nagarkar D. A.*, Masram P. P., Thakre M. P. (2020). Genetic relationship among *Leptogenys Chinensis* and *Myrmecaria Brunnea* (Hymenoptera: Formicidae) by RAPD Molecular Markers. European Journal of Biology and Biotechnology, online: www.ejibio.org, DOI: 10.24018/ejibio.2020.1.4.62.
- Deepak D. Barsagade, Parag P. Masram, Dewashree A. Nagarkar (2020). Surface ultra- structural studies on antenna in polymorphs of weaver ants *Oecophylla smaragdina*; Fabricius (Formicidae: Hymenoptera) with reference to sensilla. Indian Journal of Agricultural Research, A-5411: 1-8.
- D. D. Barsagade, M. P. Thakre, J. R. Kirsan, S. B. Nagose, D. A. Nagarkar, A. M. Bodele (2017). Mouthpart sensilla of the worker ant *Leptogenys dentilobis*. Hislopia Journal, 10(1): 99-103.
- D. S. Takalkar and M. N. Shinkhede (2011). Screening of Vavding for antibacterial activity. Indian Streams Research Journal, ISSN No: 2230-7850.

(B) Books / Book Chapters:

- Worked as an Editor for a textbook on Environmental Science designed for undergraduate programs including B.Sc., B.Com., BBA, BCCA, and BCA, in

alignment with NEP-2020 guidelines; Published by Alliance & Co. (2025), ISBN: 978-93-48359-44-5.

(C) Conference / Seminar Proceedings

- Presented a paper titled “Darwin’s tubercle in humans: frequency and variation study” at the One Day Multidisciplinary National Conference on Women’s Empowerment and Gender Sensitization (HYBRID MODE)(WINGS 2026) on 2nd April 2026 organized by Gondia Education Society’s Manoharbai Patel College of Arts, Commerce and Science, Sadak Arjuni District Gondia (MS), India NAAC B+ Accredited .Affiliated to RTM Nagpur University, Nagpur In Collaboration With: G.K. Mahila Mahavidyalaya, Kawarabandh, D.D. Bhojar College OF ARTS ANS SCIENCES Mouda, S. Chandra Mahila Mahavidyalaya, Sadak Arjuni, Shri Sant Gadge Maharaj Mahavidyalaya, Hingna, Vedic P.G. Women’s College, Jaipur In Association With: Brave Soul Foundation (New Delhi) ; Yashaswikriti Bhavah Foundation, Dhule.
- Presented a paper titled “Sensory Structure on the Abdomen of Predatory Ants *M. brunnea* & *L. chinensis* (Hymenoptera: Formicidae): A Comparative Study of Different Sensilla & Their Distribution” at the International Conference on Basic Sciences: Global Challenges & Solutions for Sustainable Development (GCSSD-2K23- Hybrid Mode) on 13th & 14th October 2023, organized by Chintamani College of Science, Pombhurna Chandrapur.
- Presented a poster titled “Unveiling the Remarkable Adaptations: An Extensive Examination of Leg Morphology of *Myrmecaria brunnea* (Hymenoptera: Formicidae)” at the Two Days National Symposium on Diversity of Animal Life (NSDAL 2024), organized by the Department of Zoology, Shri Dnyanesh Mahavidyalaya, Nawargaon, Chandrapur, on 12th & 13th January 2024.
- Presented a paper titled “Delving into Subterranean Life: A Comprehensive Surface Ultrastructural Study of the *L. chinensis* Gaster (Hymenoptera: Formicidae)” at the National Conference on Green Earth- Clean Earth, organized by L.A.D. & Smt. R.P. College, Nagpur on 10th February 2024.
- Presented a poster titled “Comparative Analysis of Abdominal Microarchitecture and Sensilla in *Myrmecaria brunnea* & *Leptogenys chinensis* Ants (Hymenoptera: Formicidae)” at the International Conference on Functional Materials, organized by Nabira Mahavidyalaya on 15th and 16th March 2024.

❖ Orientation / Refresher Courses / FDPs Attended

- 13th Online Faculty Induction Program “ Guru Dakshata” UGC-MALAVIA MISSION TEACHER TRAINING CENTRE, RASHTRASANTA TUKADOJI MAHARAJ NAGPUR UNIVERSITY NAGPUR, 2nd January 2025 to 30th January 2025.
- Completed six-day FDP " Pragati ke path par- 2024" organized by M. L. Pendse language lab in association with L.A.D. & Smt. R. P. College for Women, Nagpur from 19- 24 July 2024.
- Completed NEP 2020 Orientation and Sensitization Programme” under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) organized by UGC-Malaviya Mission Teacher Training Centre, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur from 16th March to 30th March, 2025.
- Completed National Level Workshop on Lac Culture & Fish Farming Hybrid Mode organised by Late NPW arts, commerce & science college in association with BoS RTMNU on 12th March 2025.

❖ Papers Presented in Conferences / Seminars

- Presented a paper titled “Sensory Structure on the Abdomen of Predatory Ants

M. brunnea & L. chinensis (Hymenoptera: Formicidae): A Comparative Study of Different Sensilla & Their Distribution” at the International Conference on Basic Sciences: Global Challenges & Solutions for Sustainable Development (GCSSD-2K23- Hybrid Mode) on 13th & 14th October 2023, organized by Chintamani College of Science, Pombhurna Chandrapur.

- Presented a poster titled “Unveiling the Remarkable Adaptations: An Extensive Examination of Leg Morphology of Myrmicaria brunnea (Hymenoptera: Formicidae)” at the Two Days National Symposium on Diversity of Animal Life (NSDAL 2024), organized by the Department of Zoology, Shri Dnyanesh Mahavidyalaya, Nawargaon, Chandrapur, on 12th & 13th January 2024.
- Presented a paper titled “Delving into Subterranean Life: A Comprehensive Surface Ultrastructural Study of the L. chinensis Gaster (Hymenoptera: Formicidae)” at the National Conference on Green Earth- Clean Earth, organized by L.A.D. & Smt. R.P. College, Nagpur on 10th February 2024.
- Presented a poster titled “Comparative Analysis of Abdominal Microarchitecture and Sensilla in Myrmicaria brunnea & Leptogenys chinensis Ants (Hymenoptera: Formicidae)” at the International Conference on Functional Materials, organized by Nabira Mahavidyalaya on 15th and 16th March 2024.

❖ **Workshops / Seminars / Conferences Organized**

- Part of the organising committee of the National workshop on “Lepidopteran Taxonomy with Hands-on Training in Field and Laboratory Techniques” in collaboration with PGTD of Zoology RTMNU Nagpur, Dated 27 & 28th July 2025
- Invited as a Subject expert by NEHS association, Nagpur for the selection JCT by Pavitra portal at New English Junior College, Nagpur, on 9th July 2025.
- Resource person for Workshop on Vermicomposting, Department of Zoology at Kamla Nehru Mahavidyala, on 29th August 2025.
- Resource person for Workshop on Vermicomposting, Department of Zoology at Taywade College, Koradi on 19th September 2025.

❖ **Administrative Responsibilities:**

- Member of NAAC Criterion- 7 (Outcome X), Mentor committee, Women’s studies, Sarvangkash, Time-Table Committee(Intercollegiate competition), Guidance & Counselling cell, Skill Education: Utkarsha Jeevan Nirwah Upakram

❖ **Awards / Recognitions**

- First in RTMN University during M. Phil
- Second in Cell Biology during M.Sc. in RTMN University, Nagpur
- Felicitated for NEET foundation 1year course by the New English High School Association, Nagpur

❖ **Extension Activities / Community Engagement**

- Delivered a guest lecture on “vermicomposting and its commercial production” in the Department of Zoology, Kamla Nehru Mahavidyalaya dated 17th October 2025 & Taywade College dated 19th Dec 2025.
- “Application of Haemin Crystal Analysis for Species Identification of Blood Samples” with Sem-IV students during Jan to April 2026
- “Awareness and Study of Darwin’s Tubercle as an Anthropological Trait” with Sem-IV students during Jan to April 2026

❖ **Other Relevant Information**

- Invited as a Judge for 8th Shri.A. Sundareshan Memorial inter school science talk 2025-26, on 15th November 2025 in Saraswati Vidyalaya High school and Junior college.

- Evaluator at Science Model Competition Vighyanbharti Vidarbha Pradesh Mandal, at NEERI modern school, Nagpur on 2nd January 2026.