



RESUME

Meghali Bharti

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Address- Department of Zoology, Daulat Ram college, University of Delhi.

EDUCATIONAL & PROFESSIONAL DEVELOPMENT

- Ph.D. degree awarded on 25-02-2023 from Department of Zoology, University of Delhi.
- Qualified CSIR JRF NET (Council Of Scientific and Industrial Research, Junior Research Fellowship, National Eligibility Test) in 2016.
- Masters in Zoology (Master of Science) from Department of Zoology, University of Delhi under Hansraj college (2017)
- B. Sc (H) Zoology from Hans Raj College, University of Delhi (2015)
- 10+2 Level Science (Med) Stream from CBSE (2012)
- 10th Standard from CBSE (2010)

TRAINING AND EXPERIENCE

- Guest faculty at Dyal Singh college, University of Delhi 2024-2025
- Guest faculty at Shivaji College, University of Delhi, 2022-2023.
- Involved in project on: To study the microbial diversity associated with fish gut by using culture-dependent and independent approaches (NBAIM/AMAAS/201721/GF/1a)

EXTRA CURRICULAR ACCOLADES AND ACHIEVEMENTS

- Faculty training programme on- “Practical Aspects of Applied Entomology 2025-2026.
- Faculty training programme on- “Experimental Approaches in Evolutionary Immunology 2025-2026.
- Certificate for organizing a seminar entitled - “Stem cells and regenerative medicines”, 2023, Shivaji College.
- Certificate for organizing “Azura”, Life Science Fest, 2023, Shivaji College.
- Certificate for organizing Innovation Camp-III, 2023 under Shivaji College.
- Participated in International Colloquium on “Regulatory Mechanisms Underlying Behaviour, Physiology and Development”, 2021.

- Certificate for Participation and Poster presentation in Indian Science Congress Association, 2020.
- Certificate of Participation in Zoological Society Annual Festival organized by Department of Zoology, University of Delhi, 2019.
- Certificate of Poster presentation in INSCR International Conference, 2018.
- Certificate for Poster presentation at Annual conference of Association of Microbiologists of India, 2018.
- Certificate for Appreciation in INSCR International Conference, 2017.
- Certificate for organizing AMI-INSCR Workshop, 2017.

PUBLICATIONS: 14

1. **Bharti, M.**, Sharma, M., Choksket, S., Khurana, H., Siwach, S., Modeel, S., Korpole S., & Negi, R. K. (2024). *Sporosarcina hypophthalmichthys* sp. nov. isolated from gastrointestinal tract of fish *Hypophthalmichthys molitrix* (Valenciennes, 1844) *Journal of Basic Microbiology*. I.F-3.5
2. Dolkar, P., Sharma, M., Modeel, S., Yadav, S., Siwach, S., **Bharti, M.**, ... & Negi, R. K. (2024). Challenges and effective tracking down strategies of antibiotic contamination in aquatic ecosystem. *Environmental Science and Pollution Research*, 1-23. I.F-5.8
3. Siwach, S., **Bharti, M.**, Yadav, S., Dolkar, P., Modeel, S., Yadav, P., ... & Negi, R. K. Unveiling the Ecotoxicological Impact of Microplastics-the Persistent Organic Pollutant (Pop): A Comprehensive Review. *Journal of contaminant Hydrology Available at SSRN 4775911*. I.F-3.5
4. Modeel, S., Joshi, B. D., Yadav, S., **Bharti, M.**, & Negi, R. K. (2023). Mitochondrial DNA reveals shallow population genetic structure in economically important Cyprinid fish *Labeo rohita* (Hamilton, 1822) from South and Southeast Asia. *Molecular Biology Reports*, 50(6), 4759-4767. I.F-2.6
5. **Bharti, M.**, Modeel, S., Yadav, S., Yadav, P., Siwach, S., Dolkar, P., & Negi, R. K. (2023). Emerging Role of Gut Microbiome in Cancer Immunotherapy. In *Role of Microbes in Sustainable Development: Human Health and Diseases* (pp. 409-427). Singapore: Springer Nature Singapore.
6. **Bharti, M.**, Nagar, S., Yadav, P., Siwach, S., Dolkar, P., Yadav, S., & Negi, R. K. (2023). Taxonomy, distribution, biology and conservation of vulnerable snow trout *Schizothorax richardsonii* (Actinopterygii: Cyprinidae: Schizothoracinae) in the Himalayan and sub-Himalayan region: A review. *Iranian Journal of Ichthyology*, 10(1), 8-27. I.F-0.9
7. **Bharti, M.**, Nagar, S., & Negi, R. K. (2023). Riverine pollution influences the intraspecific variation in the gut microbiome of an invasive fish, *Cyprinus carpio* (Linn., 1758) *3 Biotech* 10.1007/s13205-023-03747-0 I.F-2.6
8. Nagar, S., **Bharti, M.** & Negi, R.K. (2023). Genome-resolved metagenomics revealed metal-resistance, geochemical cycles in a Himalayan hot spring. *Appl Microbiol Biotechnol*. I.F-3.9
9. Siwach, S., **Bharti, M.** & Negi, R.K.(2023). Tea time trouble: The potential presence of microplastics in tea bags. *Shoolinivigyanuvach*, Vol.1.

10. Sharma, M., **Bharti, M.**, Khurana, H, Negi, T., Negi, R. K. (2023). Challenges of Multidrug-Resistant Microbes on Public Health. *Biomedical Research, Medicine, and Disease*, 1st Edition, ImprintCRC Press, 14, eBook ISBN9781003220404.
11. **Bharti, M.**, Khurana, H., Sharma, M., Choksket, S., Nagar, S., Yadav, S., & Negi, R. K. (2023). Taxonomic and genomic characterization of *Sporosarcina cyprini* sp. nov., moderately tolerant of Cr⁺ 6 and Cd⁺ 2 isolated from the gut of invasive fish *Cyprinus carpio* var. *communis* (Linn., 1758). *Antonie van Leeuwenhoek*, 116(3), 193206. I.F-2.6
12. **Bharti, M.**, Nagar, S., Khurana, H. & Negi, R. K. (2022). Metagenomic insights to understand the role of polluted river Yamuna in shaping the gut microbial communities of two invasive fish species. *Archives of microbiology*, 10.1007/s00203-022-03127-x. I.F- 2.6.
13. Nagar, S., Talwar, C., **Bharti, M.**, Yadav, S., Siwach, S., & Negi, R. K. (2021). Metagenome assembled genomes recovered from the datasets of a high-altitude Himalayan hot spring Khirganga, Himachal Pradesh, India. *Data in Brief*, 39, 107551. I.F-1.0
14. Khurana, H., Sharma, M., **Bharti, M.**, Singh, D. N., & Negi, R. K. (2021). Gut milieu shapes the bacterial communities of invasive silver carp. *Genomics*, 113(2), 815-826. I.F-3.4.

POSTER PRESENTATION

- **Bharti, M.**, Negi, R.K. “Isolation of Cultivable Gut Diversity of *Cyprinus carpio*, from Yamuna river, Wazirabad, Delhi” Poster presented in the 58th Annual conference of Association of Microbiologists of India, held at University of Hyderabad, Telangana, India, 2018.
- **Bharti, M.**, Negi, R.K. “Study of cultivable and non cultivable gut diversity of *Cyprinus carpio* and *Oreochromis niloticus*, from river Yamuna, Wazirabad, Delhi” Poster presented in Indian Science Congress Association, held at University of Agriculture Sciences, Bangalore, 2020.
- **Bharti, M.**, Negi, R.K. “Study of Cultivable Gut Diversity of *Cyprinus carpio*, from Yamuna river, Wazirabad, Delhi” Poster presented in the INSCR International Conference held at Kalinga Institute of Industrial Technology (KIIT), Odisha, India in 2018.

Date: 09-07-2026

Signature:



