

## CURRICULUM VITAE

**NAME** : **Divya**

**Email** : divya@pup.ac.in

**Phone** : +91 8539824130

**Permanent Address:** C/O U C Tripathi, Premchand Path, Punjabi Mohalla, Sasaram, 821115.

### **EDUCATION QUALIFICATION**

Completed 10<sup>th</sup> in 2007

Completed 12<sup>th</sup> in 2009

Completed graduation in 2015

Completed post-graduation in 2017

Completed PhD in 2025

**Title of PhD topic:** EVALUATING THE RESPONSE OF BENTHIC

MACROINVERTEBRATES AND ICHTHYOFAUNAL ASSEMBLAGES TOWARDS

ENVIRONMENTAL STRESSORS AT BARAILA LAKE (VAISHALI), BIHAR.

### **Additional Qualification**

Qualified GATE XL exam in 2024.

Qualified UGC-NET exam in Life Sciences in the year 2024.

## PAPER PUBLISHED:

1. Evaluation of ionic composition and hydrogeochemical processes of the groundwater in Muzaffarpur, district, Bihar, India (2023). *Ind J Environ Protect*, Kalpana publishing, 43(3), 263-269.
2. Assessing the fluoride toxicity, and the source contributors to the major ionic constituents in the groundwater aquifer of Middle Ganga River Basin, Rohtas, India (2023). *International Journal of Energy and Water Resources*, Springer, 9, 483-497.
3. Fluoride contamination in groundwater of the middle Gangetic plains of India: A comparative geochemical and health risk assessment (2024). *Groundwater for Sustainable Development*, Elsevier, 25, 101-112.
4. Investigating the 96h LC 50 of Mercury and Cadmium on *Channa punctatus* (Bloch): A Comparative Acute Toxicity Bioassay (2024). *Journal of Ecophysiology and Occupational Health*, Informatics Publishing Limited, 89-98.
5. Investigating the drinking and irrigation suitability of the groundwater in the middle Ganga River basin of Muzaffarpur district, India (2024). *Ecology, Environment and Conservation*, EM International, 30 (2), 642-652.
6. Multi-metric biomonitoring of a seasonally flooded Baraila wetland using benthic macroinvertebrates as indicator organisms in the middle Ganga River Basin (Vaishali), India (2024). *AQUA—Water Infrastructure, Ecosystems and Society*, IWA publishing, 73(6), 1211-1227.
7. Documenting the current Ichthyofaunal status of the River Ganga in the middle Gangetic plains at Patna, India (2025). *International Journal of Fisheries and Aquatic Studies*, 13(2): 178-188.
8. Deciphering the accumulation of potentially toxic metals and their relation with size in the five commercially important fish species from the middle stretch of the River Ganga (2025). *Next Research*, Elsevier.
9. First record of the ichthyofauna in the seasonally flooded Baraila wetland, India: In relation to the ecological health of the wetland. *Inland Water Biology*, Springer, Vol. 18, Page 1122-1132.

10. Assessing the nutrient load and its source identification in the sediments of two distinctly different wetlands in the Gangetic alluvial Plains of Bihar, India (2025). **Journal of Soil and Water Conservation, Taylor and Francis**, 81 (1): Page 47-58.
11. Comparative health risk assessment of arsenic and fluoride toxicity in the rural area groundwater in the middle Gangetic Plain at Muzaffarpur, India (2025). Accepted in **Bulletin of the National Research Centre, Springer**, Volume 49: Page 1-17.

## **BOOK CHAPTERS**

1. Groundwater contamination by fluoride and mitigation measures for sustainable management of groundwater in the Indo-Gangetic Plains of India (2023). In *Groundwater in Arid and Semi-Arid Areas: Monitoring, Assessment, Modelling, and Management* (pp. 289-314). **Cham: Springer Nature Switzerland**.
2. A review on the outdoor air pollutants in the Indo-Gangetic Plains of India: sources, health effects and remediation (2024). **Health and Environmental Effects of Ambient Air Pollution: Volume 1: Air Pollution, Human Health, and the Environment** (pp. 179-207), Elsevier.

## **BOOK**

1. Basic of Air pollution, **Notion Press**.

## **CONFERENCES AND SEMINARS**

### **List of Research Communications in International conf./symposia**

- World Environment Summit 2022 organized by **Environment and Social Development Association, Delhi** on 16th of October 2022.
- International Conference on Emerging Trends in Biosciences and Chemical Technology, organized by **School of Biotechnology, Shri Mata Vaishno Devi University, Katra** from 03<sup>rd</sup> to 05<sup>th</sup> December 2022.

- Recent trends in Biosciences and Healthcare, **Organised by Department of Zoology, Patna University, Patna** on 22<sup>nd</sup> to 23<sup>rd</sup> November, 2023.

#### **List of Research Communications in National conf./symposia**

- National Conference on Rejuvenation of The Ganga River Ecosystem Opportunities and Challenges at Gangetic Plains Regional Centre, **organized by Zoological Survey of India, Patna.**
- National Seminar on Recent advances in environmental engineering towards sustainability, **organized by Department of civil engineering, NIT Patna** from 10 to 14 October 2022.
- National Symposium on Emerging Contaminants: Monitoring, Risk Assessment and Environment Health **organized by Environmental Science & Management and Department of Zoology, Patna University, Patna** on 30<sup>th</sup> November 2023.

#### **Award and Recognition**

Environmentalist of the year 2025 by International Foundation for Ecology and Environment.