

#### Dr Anupma Kumari

E-mail: anupma-zoology@patnauniversity.ac.in Profile URL: <a href="https://pup.irins.org/profile/331479">https://pup.irins.org/profile/331479</a>

Orcid Id: 0000-0002-3176-931X

Phone: , 9835438579

Address: Patna ,Bihar,India - 800005

#### Expertise

#### Zoology

Ecology, Limnology, Biodiversity conservation, Water quality, Aquatic toxicology

#### Work experience

1. Patna University 2015 — Present

Associate Professor Patna

 $_{\mathrm{2.}}$  Patna University 2003-2007

Assistant Professor Patna

#### Education

1. Ph.D - 2001

Patna University

#### Honours and Awards

1. First Rank in Merit List, Zoology - 2003

University Service commission, Bihar

2. SRF - 1998

**UGC** 

з. JRF - 1996

UGC

4. Gate Qualified - 1996

Indian Institute of technology

#### **Publication**

1. Unveiling the rising threat of cadmium pollution and alarming health risks associated with the consumption of 15 commercially important fish species in the middle stretch of River Ganga, at Patna, India

Sulaiman, Mohammed Aasif and Kumari, Anupma Biological Trace Element Research, Year 2024, Pages 1--20

2. Spatio-temporal evaluation of the impact of anthropogenic stressors on physico-chemical characteristics and water quality of the River Ganga using GIS-based approach in the middle Gangetic Plains at Patna, Bihar, India

Zafar, Mohammad Masroor and Kumari, Anupma Water Science \& Technology, Year 2024, Pages wst2024053

 Bioaccumulation of Lead and Mercury in Water, Sediment, and Fish Samples of Baraila Lake, Vaishali, Bihar

Anjum, Saima and Kumari, Anupma Biological Trace Element Research, Year 2024, Pages 1--16

4. A review on the outdoor air pollutants in the Indo-Gangetic Plains of India: sources, health effects and remediation

Sulaiman, Mohammed Aasif and Kumari, Anupma and others Health and Environmental Effects of Ambient Air Pollution, Year 2024, Pages 179--207

5. Fluoride contamination in groundwater of the middle Gangetic plains of India: A comparative geochemical and health risk assessment.

Sulaiman, Mohammed Aasif and Zafar, Mohammad Masroor and Gaurav, Kumar and Kumari, Anupma and others

6. Multi-metric biomonitoring of a seasonally flooded Baraila wetland using benthic macroinvertebrates as indicator organisms in the middle Ganga River Basin (Vaishali), India

Divya and Kumari, Anupma AQUA—Water Infrastructure, Ecosystems and Society, Year 2024, Pages jws2024024

7. A review of diseases attributed to air pollution and associated health issues: a case study of Indian metropolitan cities

Anjum, Saima and Zafar, Mohammad Masroor and Kumari, Anupma Diseases and Health Consequences of Air Pollution, Year 2024, Pages 145--169

8. Multivariate statistical analysis and Geospatial approach for evaluating Hydro-geochemical characteristics of meltwater from Shaune Garang Glacier, Himachal Pradesh, India

Kumar, Ramesh and Kumar, Rajesh and Bhardwaj, Anshuman and Singh, Atar and Singh, Shaktiman and Kumari, Anupma and Sinha, Ravindra Kumar Acta Geophysica, Volume 71, Year 2023, Pages 323--339

9. Heavy Metals in the Sediment of River Ganga: A Review

Kumari, Anupma and Sulaiman, Mohammed A and Zafar, Mohammad M Weathering and Erosion Processes in the Natural Environment, Year 2023, Pages 1--25

10. Assessing the geochemical processes controlling groundwater quality and their possible effect on human health in Patna, Bihar

Kumar, Ramesh and Kumari, Anupma and Kumar, Rajesh and Sulaiman, Mohammed Aasif and Zafar, Mohammad Masroor and Singh, Atar and Prabhakar, Ravi and Pippal, Prity Singh Environmental Science and Pollution Research, Volume 30, Year 2023, Pages 107138--107157

11. A multivariate statistical approach to evaluate the hydro-geochemistry of groundwater quality in the middle Ganga river basin, Patna, India

Sulaiman, Mohammed Aasif and Zafar, Mohammad Masroor and Prabhakar, Ravi and Kumar, Ramesh and Sinha, Ravindra Kumar and Kumari, Anupma Acta Geophysica, Year 2023, Pages 1--14

12. Groundwater contamination by fluoride and mitigation measures for sustainable management of groundwater in the Indo-Gangetic Plains of India

Sulaiman, Mohammed Aasif and Divya and Zafar, Mohammad Masroor and Anjum, Saima and Kumari, Anupma

, Year 2023, Pages 289--314

13. Assessing the fluoride toxicity, and the source contributors to the major ionic constituents in the groundwater aquifer of Middle Ganga River Basin, Rohtas, India

Divya and Sulaiman, MA and Zafar, MM and Kumari, A International Journal of Energy and Water Resources, Year 2023, Pages 1--15

14. Evaluation of ionic composition and hydrogeochemical processes of the

#### groundwater in Muzaffarpur, district, Bihar, India

Sulaiman, MA and Zafar, MM and Divya, Prabhakar R and Kumari, A Ind J Environ Protect, Volume 43, Year 2023, Pages 263--269

# 15. Chemometric approach to evaluate the chemical behavior of rainwater at high altitude in Shaune Garang catchment, Western Himalaya

Kumar, Ramesh and Kumar, Rajesh and Singh, Atar and Arif, Mohammad and Kumar, Pankaj and Kumari, Anupma

Scientific Reports, Volume 12, Year 2022, Pages 12774

# 16. Evaluation of noise pollution in Bengaluru City, India during COVID-19 pandemic

Anjum, Saima and Kumari, Anupma Archives of Acoustics, Year 2022, Pages 131--140

#### 17. Impact of lockdown on air pollutants during COVID-19 at Patna, India

Sulaiman, Mohammed Aasif and Zafar, Mohammad Masroor and Afshan, Nishat and Kumari, Anupma Asian Journal of Atmospheric Environment, Volume 15, Year 2021, Pages 2021045

### 18. Assessment of heavy metal pollution in water, sediment, and fish of the river Ganga at Varanasi, India

Kumari, Anupma and Sinha, Samir Kumar and Rani, Nipunika and Sinha, Ravindra Kumar Arabian Journal of Geosciences, Volume 14, Year 2021, Pages 2346

### 19. Assessment of Ecological Quality Based on Benthic Macro-invertebrates in the Ganga River, Patna

Kumari, Anupma and Sulaiman, Mohammed Aasif and Zafar, Mohammad Masroor and Sinha, Ravindra Kumar

, Year 2021, Pages 759--762

# 20. Rotifers abundance, species composition and temporal distribution in a sewage fed fish pond at Pahari, Patna.

Neetu and Kumari, Anupama and Prabhakar, Ravi and Kedia, Dilip Kumar and Sinha, Ravindra Kumar . Year 2020

# 21. Distribution of trace metal in Shaune Garang catchment: evidence from particles and nanoparticles

Kumar, Ramesh and Kumar, Rajesh and Singh, Atar and Sinha, Ravindra Kumar and Kumari, Anupma and Gupta, Akhilesh and Singh, Jagvir

Materials Today: Proceedings, Volume 15, Year 2019, Pages 586--594

### 22. Hydro-geochemical analysis of meltwater draining from Bilare Banga glacier, Western Himalaya

Kumar, Ramesh and Kumar, Rajesh and Singh, Atar and Singh, Shaktiman and Bhardwaj, Anshuman and Kumari, Anupma and Sinha, Ravindra Kumar and Gupta, Akhilesh Acta Geophysica, Volume 67, Year 2019, Pages 651--660

# 23. Comparative study of phytochemical screening and in-vitro antibacterial activity of Physalis minima and Vitex negundo.

Madakka, M and Reddy, SM and Rani, VJS and Kumari, AM , Year 2019

### 24. Impact of sand mining on zooplankton of river ganga in and around Patna, Bihar, India

Prabhakar, Ravi and Kumari, Anupma and Neetu, Ravindra Kumar Sinha Environ. Ecol, Volume 37, Year 2019, Pages 1301--1308

25. Assessment of benthic macro-invertebrates to assess water quality of treated sewage fed pond at Pahari, Patna.

Neetu, Neetu and Anupma Kumari, Anupma Kumari and Kedia, DK and Sinha, RK , Year 2019

### 26. Dynamics of sediment load and chemical composition of melt-water from Shaune Garang catchment, Western Himalaya

Kumar, Ramesh and Singh, S and Singh, A and Bhardwaj, A and Kumari, A and Sinha, RK, Volume 2018, Year 2018, Pages C21E--1391

#### 27. Nanoparticles in glacial melt water

Kumar, Rajesh and Kumar, Ramesh and Singh, Atar and Sinha, Ravindra Kumar and Kumari, Anupma Materials Today: Proceedings, Volume 5, Year 2018, Pages 9161--9166

# 28. Dynamics of suspended sediment load with respect to summer discharge and temperatures in Shaune Garang glacierized catchment, Western Himalaya

Kumar, Rajesh and Kumar, Ramesh and Singh, Shaktiman and Singh, Atar and Bhardwaj, Anshuman and Kumari, Anupma and Randhawa, SS and Saha, Ashok Acta Geophysica, Volume 66, Year 2018, Pages 1109--1120

#### 29. Overview of higher vertebrates in the Ganges-Brahmaputra-Meghna River Basin: their status, threats and conservation

Sinha, Ravindra Kumar and Kedia, Dilip Kumar and Kumari, Anupma , Year 2014, Pages 105--123

#### 30. Avian diversity of the river Ganga

sinha, Anupma Kumari R K Rivers for life. Year 2014

#### 31. Occupational Health Hazards in Painters

Kumari, Anupma and Roy, Kakoli Ghose and Nath, Supriya and Gupta, Nisha and Pallavi, Puja and Singh, Shreya and Kumari, Sweta and Sh 'hla Yasmin, Nidhi Rastogi J Ecophysiol Occup Health, Year 2010, Pages 129--33

# 32. A holistic study on mercury pollution in the Ganga River system at Varanasi, India

Sinha, RK and Sinha, Samir Kumar and Kedia, DK and Kumari, Anupma and Rani, Nipunika and Sharma, Gopal and Prasad, K

Current Science, Volume 92, Year 2007, Pages 1223--1228

#### 33. Concentration of organochlorines in Ganges River dolphins from Patna, Bihar

Kumari, Anupma and Sinha, RK and Gopal, Krishna and Lata, Swarn Journal of Environmental Biology, Volume 23, Year 2002, Pages 279--281

# 34. Quantitative Estiniatjon of DDT Residues in Some Freshwater Fishes. 01 River Ganga at Patna, Bihar

KUMARI, ANUPMA and KUMAR 'SINHA, RAVINDRA and GOPAL, KRISHNA Environment & Ecology, Volume 19, Year 2001, Pages 396--399

### 35. Concentration of organochlorine pesticide residues in Ganga water in Bihar, India

Kumari, A and Sinha, RK and Gopal, KRISHNA Environment and Ecology, Volume 19, Year 2001, Pages 351--356

#### 36. Organochlorine contamination in the fish of the River Ganges, India

Kumari, Anupma and Sinha, RK and Gopal, Krishna Aquatic Ecosystem Health \& Management, Volume 4, Year 2001, Pages 505--510

#### 37. Dietary intake of persistent organochlorine residues through Gangetic fishes in India

Kumari, Anupma and Sinha, RK and Gopal, Krishna and Prasad, K Int J Ecol Environ Sci, Volume 27, Year 2001, Pages 117--120

#### 38. Quantative estimation of HCHs in the sediment of the river Ganga, Bihar Indo

Sinha, Anupma Kumari R K . Year 2001

### 39. Respiratory symptoms in children living near busy road and their relationship to vehicular traffic

Kumari Anupma

#### 40. Health Hazards of Tobacco

Sharma, Nilabha and Singh, Deeksha and Kumari, Anupma Health, Volume 2