

Rajkamal Tamta, M.Sc., NET

Currently Working as Assistant Professor, Department of Environmental Sciences, H.N.B. Garhwal University Srinagar-Garhwal Uttarakhand

**Former: Assistant Director, Watershed Management Directorate
Dehradun, Uttarakhand**

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Date of Birth: **23rd** of December 1974

Domicile: Srinagar, Pauri Garhwal (Uttarakhand)

Nationality: Indian



Career Summary

Academic Details

Degree	Year	University	Discipline	Specialization
NET	2002 -	UGC, New Delhi	Env. Science	-
M.Sc.	1998 First	H.N.B. Garhwal University	Env. Science	Env. Science
B.Sc.	1996 Second	H.N.B. Garhwal University	Zoology Botany & Chemistry	Zoology

Employment Experience

- Assistant Director, Watershed Management Directorate Dehradun, Uttarakhand (2020-2023)
- Head, Department of Environmental Sciences, H.N.B. Garhwal University, Srinagar-Garhwal (01.02.2019 to 08/05/2020)
- Assistant Professor, Department of Environmental Sciences, H.N.B. Garhwal University, Srinagar-Garhwal (13.04.2008 to Date).
- Environmental supervisor, Tehri Hydropower Corporation (2003- 2006)
- Environmental Supervisor, Tehri Hydropower Development Corporation (THDC) (2000 to 2003)
- Environmental Specialist, Uttar Pradesh Rural Water Supply and Sanitation (1998 to 2000)

Academic

- Teaching: 12 Years (Undergraduate and Postgraduate)

AREA OF INTEREST

Extremophiles; Microbial Diversity; Water Quality Analysis (Surface water and Ground Water); Environmental Pollution and Monitoring; Bioremediation and Biodegradation; Conservation and management of water resources; Natural Resources Management; Freshwater, Hyporheic, and Cronos

Biodiversity; Wetlands (High, Middle and Low altitude); Environmental Impact Assessment (EIA); Environmental Management Plan (EMP)

Conference, Seminars, Symposium Co-Organized Workshops Attended

- February 22, 2010: Workshop on Climate Change and its Impact on Himalayan Ecosystem
- June 5, 2011: Forests: Nature at Your Service
- June 5, 2012: Green Economy
- June 5, 2013: Think.Eat.Save
- June 5, 2014: Small Islands: Developing States
- June 5, 2015: Seven Billion Dreams. One Planet. Consume with Care
- September 16, 2015: International Ozone Day
- September 16, 2016: International Ozone Day
- June 5, 2017: Connecting People to Nature (World Environment Day)
- September 16, 2017: International Ozone Day
- February 9, 2018: Promotion of public awareness on water development, conservation and management in Uttarakhand (Water for Welfare: An Uttarakhand Initiative)
- June 5, 2018: Beat Plastic pollution (World Environment Day)
- September 16, 2018: International Ozone Day
- June 5, 2019: Air pollution (World Environment Day)

Events Organized

- National Symposium on Hydropower Development in Uttarakhand: Opportunities and Challenges and Solutions. (February 14-15, 2009)
- National workshops on Preparation State Action Plan for Climate Change (SAPCC) for Uttarakhand (in collaboration with WWF INDIA and Govt. of Uttarakhand) May 7, 2011
- National Symposium on Eco-disasters in the Himalayas: Cause Challenges and Management. (February 15-16, 2014)
- International Workshop on “Climate Change, Himalayan Glaciology and Glacio-Hydrological Modelling” organized by Department of Environmental Sciences, H.N.B. Garhwal University, Uttarakhand (6-8 September 2016).
- National Symposium on Promotion of Public Awareness on Water Development, Conservation and Management in Uttarakhand in collaboration with IIT, Roorkee (March 09, 2018)

Languages

Languages	Reading	Writing	Listening	Speaking
English	Proficient	Proficient	Proficient	Good
Hindi	Proficient	Proficient	Proficient	Proficient

Professional skills

- Operating Systems: Windows (98/2000/XP/7/8).
- Software Skill: MS Office (Word, Excel, PowerPoint), Basic C, Pro Tally, Internet, Embedded Systems, SQL, Social Media.

• Environmental Sciences

Collection of water and soil samples, pH, Dissolved Oxygen, turbidity, Biological Oxygen Demand (BOD), Chemical Oxygen Demand (COD), electrical conductivity, Free Carbon Dioxide, Total Hardness, Chlorides, Total Alkalinity, Acidity, Nitrates, Sulphates, Sulphides, Sulphites, Phosphates, Calcium Hardness, Magnesium Hardness, Acidity, Total solids, Total Dissolved Solids, Total Suspended Solids, Carbonates and Bicarbonates, Transparency, Sodium, Potassium, Heavy Metals Detection

• Biological Analysis

Faecal coliform; Total Coliform; Bacteriological tests for water and soil samples; Collection, Preservation, Counting, Identification, Density and Diversity Index of Periphytons, Phytoplankton and Benthic Macroinvertebrates

• Technical Skills:

Data Entry
 Data Analysis
 Data Analytical Programming Language R
 (learner)
 Microsoft Word
 Microsoft Excel
 Microsoft PowerPoint
 Statistical analysis of Ecological data

Personal Skills and Hobbies

- Can remain focused for a long period even doing the repetitive workout
- Playing Volleyball, Trekking, and reading new books related to my work.

References

- **Prof. Ramesh C. Sharma D.Sc.** Department of Environmental Sciences, H.N.B. Garhwal University (A Central University) Srinagar Garhwal, Uttarakhand. Email: drrameshcsharma@gmail.com Contact No: +91-9412032522
- **Professor and Head Rakesh Kumar Maikhuri** Department of Environmental Sciences, H.N.B. Garhwal University (A Central University) Srinagar Garhwal, Uttarakhand. Email: rkmaikhuri89@gmail.com Contact No: +91-9410392632

Place: Srinagar (Uttarakhand)



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