

# Curriculum Vitae



**Name** : **Dr. J.K. Pathak**

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**Present Status** : Associate Professor

**Working Experience** : Six year experience as Faculty in Disaster Management Cell, U.P. Academy of Administration, Nainital. Eighteen year Teaching Experience at Hindu College, Moradabad

**Research Experience** : More than 30 years research experience

**Educational Qualification** : M.Sc..in Zoology  
Ph.D. from Kumaun University.

**Externally Funded Research Project** Major Research Project on Evaluation of Limnological characteristics and trophic status of river Ramganga of western Uttar Pradesh. funded by Department of Science and Technology (DST), Govt. of India.

Assessment of Hydrochemistry and Fishery potential of Derelict water Bodies around Moradabad, U.P. funded by University Grant Commission, New Delhi.

Major Research Project on Variations in the abundance of Heterotrophic bacteria and Hydrochemistry of Groundwater with special reference to Landuse pattern in Metropolis of western U.P. funded by University Grants Commission, New Delhi.

Consultancy Project on river Ramganga and lentic water bodies by WWF-India.

**Visiting Faculty** : Dr. BhimRao Ambedkar Police Academy, Moradabad

Department of Environmental Sciences, Gurukul Kangri, University, Harwar.

Tirthankar Mahavir University, Moradabad.

**International Exposure** : Training of Trainers - Course on Disaster Management. Cranefield Disaster Management Centre, Department of Security Analysis, RMCS, Cranefield University Swindon, U.K.

### Key Qualification

List of Training Undergone

S.N.	Training Program	Duration	Organized By
1.	Faculty Development Program on Climate Smart Governance	Two Week	DST-IIPA, New Delhi
2.	Professional Development Course on Computer Literacy	One Week	UGC Academic Staff College, Lucknow
3.	QAMAS	One Week	DST/IISER/CCMB, Pune
4.	Refresher Course	22 Days	AMU. Aligargh
5.	Refresher Course	22 Days	JMI, New Delhi
6.	Orientation Program	One Month	AMU, Aligargh
7.	Refresher Course	22 Days	MJPR Univ. Bareilly
8.	TOT on Disaster Management	One week	Cranefield Univ., U.K.
9.	Calamity Relief Fund Policy: Financing and working review	Three Days	IIPA, New Delhi
10.	Training of Trainers (TOT) on Leadership and Decision Making	Two Week	British Council
11.	Training of Trainers (TOT) on Leadership Management	Three Week	UNCHS/HSMI
12.	Management of Training (MOT)	Two Week	UPAA, Nainital
13.	Computer in Hindi	One Week	UPAA, Nainital
14.	Ethnobotany Training Workshop	One Week	UNESCO/ICIMOD
15.	Role of woman in Planning and Development	One Week	SIRD, Lucknow
16.	Direct Training Skill (DTS)	One Week	UPAA, Nainital
17.	Design of Training (DOT)	One Week	UPAA, Nainital
18.	TOT on Drought Management	One Week	IIPA, New Delhi
19.	TOT on Flood and Landslide	One Week	IIPA, New Delhi

20.	Legal Anthropological Studies on Water Management	Two Week	WageningenUniv/ Ford Foundation.
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#### **Other Activities:**

- Organized various training programs and field workshops on Disaster Management and related areas.
- Prepared community based Disaster Management Action Plan for Hill and Gorakhpur region jointly with IGNOU.
- Qualified as a Trainer by United Nations Centre for Human Settlement (UNCHS), Nairobi for South Asian Countries on Leadership and Management for Elected Local Body Representatives.
- Assistant Coordinator NAAC Steering Committee of University Grants Commission at college level.
- Coordinator IQAC at college level.
- Nodal Officer (college): Survey on Higher Education, Ministry of Human Resources, Government of India, New Delhi

#### **Paper Presented in Various Seminar/ Symposium/Workshop):**

- Sixth All India Seminar on Ichthyology. Deptt. Of Life Sciences, Manipur University, Imphal.
- National Seminar on Role of Young Scientists in Environmental Conservation and management Strategies. Deptt. Of Zoology, Magadh University, Bodh Gaya.
- National Seminar on Perspective in Aquatic Biology. Deptt. Of Botany, Kumaun University, Nainital.
- Workshop on Himalayan Environment and Development and Institutional and NGO Participation. G.B. Pant Institute of Environment and Development, Kosi, Almora.
- National workshop on Research and Development Needs of Coldwater Fisheries. CWFRI, ICAR, Haldwani, Nainital.
- National Symposium on Advances in Limnology and Conservation of Endangered Fish Species. Deptt. of Zoology, HNB, University, Srinagar.
- International Symposium in Modern Trends in Fish Biology Research. Deptt. of Zoology. Bhagalpur University Bhagalpur.
- International Conference on Disaster Management. Paper presented on Landslide Problem in U.P. Hills. Organized by IGNOU, New Delhi.
- National Symposium on Status of India's Faunistic Diversity and Environment. Paper Presented on Strategic Planning for Disaster Management and Disaster Management Training Practices in India. GurukulKangri University Hardwar.
- National Conference on Environment and Natural Disaster Management. Paper Presented on Disaster Management: Development of General Management Capabilities. University of Rajasthan, Jaipur.

- International Symposium on Current issues in Zoology and Environmental Science, Gorakhpur
- 18<sup>th</sup> All India Congress of Zoology and National Seminar on Current Issue on “Applied zoology and Environmental Sciences with special reference to Eco-restoration and Management of Bio resources”, Lucknow
- National Seminar on Ailing Earth and Health Threats. Meerut College, Meerut.
- National Seminar on Status of Biodiversity among the mountainous states of India, Hardwar
- National Seminar on Response of Eco- Biological Components to the phenomenon of Global Warming, Kumaun University, Nainital.
- National Symposium on Impact of Trends in Climate Change on Bio-diversity and Faunestic System. GurukulKangri University, Haridwar

### **Publications:**

1. **Pathak, J.K.** and Bhatt, S.D. (1988). Eco-biology of the endangered Mahseer (*Torputitora*) of the Kumaun Himalaya: Conservation and Management Strategies. *Proc. Nat. Symp. Conser. Mang.* 36-42.
2. Bhatt, S.D. and **Pathak, J.K.** (1989). Spawning in the crucian carp *Carassius carassius* (Linn): Effect of Photoperiod and Temperature. *Him.J. Env.Zool.*3; 56-64.
3. Bhatt, S.D. and **Pathak, J.K.** (1989). Hydrobiological Profile of River Sarju Draining Uplands of Kumaun (Greater Himalaya). *J. FreshwaterBiol.*1; 3 (1): 3-42.
4. Bhatt, S.D., **Pathak, J.K.**, Pande, R.K. and Rawat, D.S. (1989). Hydrobiology of the Upstream of Kumaun Himalaya (Uttar Pradesh) with Special Reference to Biological Productivity. In: *Environmental Issues and Programme*. Vol. II (ed. I. Mohan). Ashish Publishing House, New Delhi. 87-93.
5. **Pathak, J.K.**, Bhatt, S.D., Pande, R.K. and Rawat, D.S. (1989). Fluvial Water Quality Alarm System in Kumaun and their Impact upon Fishery Resources. *GBPIHED*; 253-257
6. **Pathak, J.K.** and Bhatt, S.D (1990). Pollution Studies on River Gomti of the uplands-II: Monitoring the Water Quality. *J. NATCON*, 2 (2): 105-115.
7. **Pathak, J.K.** and Bhatt, S.D, Pande, R.K. and Rawat, D.S. (1990). Relationship among Hydrosol, Water Chemistry and Biota with Special Reference to Fish Production and their Developmental Rhythms in Sarju-Ramganga (E) Water Basins of Kumaun Himalaya . *FTR, CSIR, Govt. of India*, New Delhi.
8. Bhatt, S.D, **Pathak, J.K.**, (1990). Hydro-environmental Indicator in the Kali Riverine Ecosystem of the Central Himalaya. In: *Himalaya: Environment, Resources and Development* (eds. N.K. Shah, et.al.) Shree Almora Book Depot, Almora,111-120.

9. Bhatt, S.D, **Pathak, J.K.**, (1990). Environmental Stress on the Fishery Resources of the Kumaun Himalaya with Special Reference to River Kosi. In: *River Pollution in India* (ed. R.K. Trivedy). Ashish Publishing House, New Delhi, 265-288.
10. **Pathak, J.K.** and Bhatt, S.D. (1991). Physico-chemical Quality of River Panar of the Central Himalaya. *J. Freshwater Biol.* 3 (2): 159-168.
11. Pande, P.C., **Pathak, J.K.** and Bhatt, S.D. (1991). Ecology of the Wetland Pteridophytes of Kumaun Himalaya. In: *Ecology of the Mountain Waters* (eds. S.D. Bhatt and R.K. Pande). Ashish Publishing House, New Delhi. 174-197.
12. Bhatt, S.D., **Pathak, J.K.** (1991). Streams of the Great Mountain Arc: Physiography and Physico-chemistry. In: *Ecology of the Mountain Waters* (eds. S.D. Bhatt and R.K. Pande). Ashish Publishing House, New Delhi; 43-58.
13. **Pathak, J.K.** and Bhatt, S.D. (1991). Water Quality Characteristics of the Lesser Himalayan Streams: Trends in Arithmetic Water Quality Indices with Special Reference to River Sarju. In: *Ecology of the Mountain Waters* (eds. S.D. Bhatt and R.K. Pande). Ashish Publishing House, New Delhi. 92-103
14. **Pathak, J.K.** (1991). Growth of *Tor-putitora* (Ham) Specimen Caught from River Sarju (Kumaun Himalaya). *J. Adv. Zool.* 12; 60-62.
15. **Pathak, J.K.** and Chaudhary, C.B. (1991). Dorsal Fin Abnormality in Cyprinid, *Carassius carassius* L (Pices: Cyprinidae). *Him. J. Env. Zool.* 5; 48-49.
16. Joshi, B.D. and Pathak, J.K. (1991). A relative study of some physic-chemical parameters of sewage water at Uttarkashi. *Him.J. Env. Zool.* 5; 53-56
17. Bhatt, S.D, **Pathak, J.K.**, (1992). Ecology of Running Waters of Kumaun: Some General Considerations with Respect to Coldwater Fisheries. In: *Recent Trends in Coldwater Fisheries*.(ed. K.L. Sehgal) Today and Tomorrow's Publishers, New Delhi. 109-119.
18. Bhatt, S.D. and **Pathak, J.K.** (1992). Assessment of Water Quality and Aspect of Pollution in a Stretch of River Gomti (Kumaun:Lesser Himalaya). *J. Environ. Biol.* 3 (2): 113-126.
19. Pathak, J.K. and Bhatt, S.D. (1992). The Sewage Water of Almora Township: Evaluation for Crop Irrigation. *J. NATCON.* 4 (2): 55-62.
20. Bhatt, S.D. and **Pathak, J.K.** (1992). Himalayan Environment: Water Quality of the Drainage Basins. Shree Almora Book Depot. Almora.
21. Joshi, B.D., **Pathak, J.K.** , Singh, Y.N. and Bisht, R.C.S. (1992). On the Food Spectrum of the Sow Trout *Schizothorax richardsonii*) and the Mahaseer (*Tor tor*) from River Bhagirathi in the Garhwal Himalaya. *Him. J. Env. Zool.* 6: 158-163.

22. Joshi, B.D, **Pathak, J.K.**, Singh, Y.N. and Bisht, R.C.S. (1992). A Study of Minor Limnobiotic component of River Bhagirathi from Garhwal Himalaya. *Him. J. Env. Zool.* 6; 152-157.
23. Joshi, B.D, Pathak, J.K., Singh, Y.N. Bisht, R.C.S. and Joshi, N. (1993). Phytoplankton in the snow fed River Bhagirathi in the Garhwal Himalaya. *Him.J. Env. Zool.*7; 60-63
24. **Pathak, J.K.** and Bhatt, S.D. (1993). Physico-chemical characteristics of the three major fluvial Water bodies of Kuamun Himalaya. In: *Advances of Limnology* (ed. H.R. Singh) 145-168.
25. Joshi, B.D, **Pathak, J.K.**, Singh, Y.N., Bisht, R.C.S. and Joshi, P.C. (1993). On the Physico-chemical Characteristics of River Bhagirathi in the uplands of Garhwal Himalaya. *Him.J. Env. Zool.*7; 64-75.
26. Joshi, B.D, **Pathak, J.K.** , Singh, Y.N. and Bisht, R.C.S., Joshi, P.C. and Joshi Namita (1993). Assessment of water quality of River Bhagirathi at Uttarkashi. *Him.J. Env. Zool.*7; 118-123.
27. **Pathak, J.K.** and Bhatt, S.D. (1997). Drainage Basin Dynamics and related physico-chemical limnology of the Mountain Streams. *Him.J. Env. Zool.*11;77-86
28. **Pathak, J.K.** Tolia, R.S., Sharma, R.K. and Pande, R.K. (2001). Landslide Problem in the Uttarakhand Region. In: *Disaster Mitigation: Experiences and Reflections.* (eds. P. Sahni, A. Dhameja and U. Medury). *Printice Hall of India Pvt Ltd, New Delhi.* 39-47
29. **Pathak, J.K.** and Balwaria, H.S. (2002). A note on the Disaster Management Training Practices in India. *Him.J. Env. Zool.* 16 (1): 67-71.
30. Alam, Mohd, **Pathak, J.K.** and Sharma, R.K. (2006). An Impact Assessment of Paper Industry on River Ramganga at Moradabad. *Him.J. Env. Zool.*;20 (1), 123-130.
31. **Pathak, J.K.**, Alam, M., and Pant, J.C. (2007): Application of Multivariate Analysis in Hydrochemical Data: An Example of River Ramganga. *Him.J. Env. Zool.*;21 (1), 143-148.
32. Alam, Mohd, Sharma Sikha and **Pathak J.K.** (2007). Fish Culture: A solution for Strengthening Rural Economy. *Agrobios VI*, (3)
33. **Pathak, J.K.**, Alam, Mohd and Sharma Sikha (2008). Interpretation of Groundwater Quality using Multivariate Statistical Technique in Moradabad city, Western Uttar Pradesh state, India. *E-J.Chem* 5 (3), 607-619.
34. Sharma, Shikha, **Pathak, J.K.** and Alam Mohd. (2009). Length-weight relationship and relative condition factor of *Clarias batrachus* (Linn.) from the Maulagarh wetland of Chandausi, Moradabad. *J.Env. Bio-sci.* 23 (1): 47-50

35. Alam, Mohd, Sharma Shikha and **Pathak, J.K.** (2009). Bioeconomics of *Clarias garipinus* culture using slaughter hose waste as food ingredient..*J.Inland Fish Soc.India* 41 (1), 57-60.
36. AlamMohd and **Pathak, J.K.** (2010). Rapid Assessment of Water Quality Index of Ramganga River, Western Uttar Pradesh (India) using a Computer Programme. *Nature and Science* 8 (11).
37. **Pathak,J.K.** and Mohd., Alam (2010). A checklist of Fish Fauna of Ramganaga river. *J.Env.Bio.Sci* 24(2); 239-241
38. Mohammad Alam and **Pathak, J.K.** (2010). Assessment of Fecundity and Gonadosomatic Index of commercially important fish, *Labeo rohita* from Ramganaga River. *International Journal of Pharma and Biosciences*, 1 (3); 1-6 (www.ijpbs.net)
39. Mohammad Alam and **Pathak, J.K.** (2010). Food preferences of *Labeorohita* (Hamilton) in River Ramganga. Western Uttar Pradesh, India. *International J. Fisheries and Aquaculture Sci.*2(1); 101-107.
40. **Pathak, J.K.** MohdAlam and Shikha Sharma (2011): Ichtyofauna of River Ramganga of Western Uttar Pradesh. In: Biodiversity: An Overview (Eds: Mukesh Kumar and R.K. Gupta). I.K. International Publishing House, Pvt., New Delhi. Pp 147-155.
41. Mohammad Alam and **Pathak, J.K.** (2011). Assessment of heavy metal pollution in Ramganga River, UP India: Impact of brass industries and urban discharge. *Pollution Research*.
42. **Pathak, J.K.**, Mohm. Alam (2014). Running water environment: A case of Ramganga water basin. Lambert Publication, Germany.pp 260.
43. Sachin Kumar, Anil Kumar, Rakesh Kumar, **J.K. Pathak** and Mohm Alam. (2014). Spectral Analysis of Biochemical Oxygen Demand in River water: An approach of Discrete Wavelet Transform. *Americal Journal of Mathematics and Statistics*, 4(2); 107-112. ISSN 2162-98x
44. Akhil Gupta, Aparajita Singh, **J.K. Pathak** and Anamika Tripathi (2015). Bioaccumulation, Translocation and internal partitioning of cadmium in *Vagna mungo* and Assessment of its Phytoremedial potential. *Asian J, Adv. Basic Sci.* 4(1), 42- 47.
45. Anil Kumar, Sachin Kumar and **J.K. Pathak** (2015). Spectral Analysis of River Ramganga Hydroulics using Discrete Wavelet Transform. International Conference of Advance Research and Innovation. 370-373.
46. Akhil Gupta, Aparajita Singh, **J.K. Pathak** and Anamika Tripathi (2016). Assessment of paper mill effluent on agronomic characteristics of black gram. *Asian J, Adv. Basic Sci.* 4(2). 1-7.

**In-House Publications:** Various aspects of Disaster Management, while working with U.P.  
Academy of Administration, Nainital

**ARTICLE PUBLISHED IN NEWS PAPERS**

- (1) An article on Pollution of river Ramganga for people awareness towards the environmental pollution. Dainik Jagran. Dated 18 Sep.2006.
- (2) An article on Ground water quality of Moradabad. Dainik Jagran Dated 1 June 2007.
- (3) An article related to the pollution of Ramganga River. Times of India Dated 28 Jan. 2008.
- (4) An article indicating the pollution strength and biodiversity of the river Ramganga. Dainik Jagran. Dated 13 September 2010.
- (5) Articles published in daily newspaper on various environmental issues, especially, lotic water, lentic water and ground water.