

Dr. POONAM TRIPATHI

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Aspiring for challenging assignments in Academics

Organizational and planning abilities coupled with excellent leadership and teamwork skills

Recognized for breadth of experience, integrity, and highly effective interdisciplinary partnerships

SYNOPSIS

- ⇒ **Ph. D. (Zoology (Limnology))** with four years of experience in **Research & Development** and around 10 years in **Teaching at Under-Graduate and Post-Graduate level.**
- ⇒ Presently working at **M. B. Govt. P.G. College, Haldwani, Uttarakhand (Dept. of Zoology)** as **Assistant Professor**
- ⇒ Proficiency in facilitating / coaching research associates, officers, post graduation & graduation students by using interactive discussions and "hands-on" approaches to help them learn and apply concepts in subjects.
- ⇒ Setting up, calibrating, operating and maintaining a variety of laboratory equipment as specified by the requirements of the research study.
- ⇒ An out of box thinker with experience in the design and implementation of new courses / curriculum, ameliorating revenues and developing new infrastructures.
- ⇒ Actively involved in supervising and managing operational planning and development and directing the day-to-day academic and associated operations of the college.
- ⇒ Experience of facilitating/coaching students by using interactive discussions & "hands-on" approaches to help students learn and apply concepts in subjects.
- ⇒ An energetic, self-motivated team leader with hands on experience in requirements gathering, examination, evaluation and customization.

ORGANIZATIONAL SCAN

Since Jan 2017 with M. B. Govt. P.G. College, Haldwani, Uttarakhand (Dept. of Zoology) as Assistant Professor (Permanent)

Nov 2012 – Jan 2017 with M. B. Govt. P.G. College, Haldwani, Uttarakhand (Dept. of Zoology) as Lecturer (Contract)

September 2010 – November 2012 with L.S.M. Govt. P.G. College, Pithoragarh, Uttarakhand (Dept. of Zoology) as Lecturer (Contract)

September 2006 – September 2010 with G.B. Pant University of Agriculture and Technology, Pantnagar Senior Research Fellow

AWARDS AND RECOGNITIONS

- ⇒ **Young Zoologist of the year Medal** (Young Scientist Award) (Gold medal) by Governor (Sh. Shekhar Dutt) of Chattisgarh in 21st All India Congress of Zoology- Seminar held in 21st – 23rd **Dec'10** at Central Inland Fisheries Research Institute, Barrackpore, Kolkata.
- ⇒ **Prof. P. Kameshwara Rao Award (Young Scientist Award)** in **2012** by Applied Zoologists Research Association
- ⇒ **Junior Young Scientist Award** in **2013** by Society of Biological Sciences & Rural Development
- ⇒ **Emerging Scientist Award** in **2019** by Society for Science & Nature

⇒ **Honorary Fellowship (F. S. L. Sc.) Award** in **2022** by Society of Life Sciences

ACADEMIA

2009 Ph. D. (Zoology (Limnology)) from Kumaun University, Nainital.

2002 M. Sc. (Zoology with specialization in Fisheries) from Kumaun University, Nainital with 1st division

Others:

- ⇒ Accounting, Basic Computer and Tally 5.4 Course in 2002 for 5 months.
- ⇒ One-year Computer Applications course in 2006.
- ⇒ Six months of typing course (Hindi & English)

Ph.D THESIS TITLE

Title: Ecology of Plankton Community in Relation to Fish Production in Baigul Reservoir

Work Experience

Teaching

- ⇒ Preparing exercises, questionnaires and assignments for students at various levels; responding to the queries in a spontaneous manner.
- ⇒ Involved in setting & marking assignments and tests; assessed students' work for internally assessed components of qualifications; prepared & maintained records and wrote reports on students.
- ⇒ Pivotal in keeping up to date with curriculum changes and assessment methods.
- ⇒ Developing formulas for new products or re-formulations using chemical & analytical methodologies.
- ⇒ Testing the chemical samples to determine their make-up and properties (qualities).
- ⇒ Performing scale-up operations and conceptualizing various methods to study chemical compounds.
- ⇒ Conduct research on the behaviour, social interaction and captivity of animals.
- ⇒ Monitoring the outcomes of the research through practical labs and assessments.

Research (limnology)

- ⇒ Limnology of natural waters, fish nutrition, breeding & culture techniques of different cultivable fishes.
- ⇒ Managed Protein, carbohydrate and lipids estimation, related DNA analysis, etc.
- ⇒ Subtropical and tropical lakes are today heavily eutrophicated, there is a great need for gaining new knowledge of trophic interactions and possible lake restoration methods for these regions.
- ⇒ Removal of unwanted fishes, stocking Grass carp and other fishes and physico-chemical parameters of water analysis in lakes, rivers, ponds and reservoirs.
- ⇒ Conducted the plankton study in lakes, rivers, ponds and reservoirs, fish diversity analysis in lakes, rivers, ponds and reservoirs fishes.
- ⇒ Length-weight relationships in freshwater fishes, food and feeding habits in freshwater fishes.

SEMINARS/ TRAININGS & WORKSHOPS

I Have **attended the Orientation Programme** by University Grants Commission, Human Resource Development Centre, Kumaun University, Nainital (Uttarakhand)- 01/03/2019 to 30/03/2019

I have **attended the Refresher Course** in "Environment" by University Grants Commission, Human Resource Development Centre, Kumaun University, Nainital (Uttarakhand) - 14-09-2020 to 28-09-2020

I have **attended the Refresher Course** in "Research Methodology" by University Grants Commission, Human Resource Development Centre, D.D.U Gorakhpur University, Gorakhpur (UP) - 17-02-2022 to 02-03-2022

I have **attended the Refresher Course** in "Zoology" by Ramanujan College under the Ministry of Education sponsored Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT) scheme. 28-11-2022 to 12-12-2022

I Have presented/attended following Seminar/Conference/Workshop/Orientation/Refresher Courses:

1. National Symposium on Recent Technologies in Uplifting the Socio-economic status of rural people through livestock production and management Department of Livestock Production and Management, College of Veterinary Sciences, G.B.P.U.Aagri & Tech. Pantnagar 20-22 April, 2006
2. National Consultation on Water Management in Fisheries and Aquaculture NSAC Complex, Pusa, New Delhi 23-24, June, 2006
3. International Symposium on Current issues in Zoology & Environmental Science DDU Gorakhpur University, Gorakhpur 11-13, November, 2006
4. Rashtriya Karyashala Parvatiya Matsiyiki paridrishya: Vikas, Prabandhan evam sanrakshan NCFRC, Bhimtal 6-7, April, 2007
5. Golden Jubilee Training & Awareness Programme Advances in harvest & post harvest technology of fish. College of Fisheries, G.B.P.U.Aagri. & Tech. Pantnagar 8-10, August, 2008
6. National Seminar entitled "Biodiversity Conservation and its Environmental Implication in Himalayan Perspectives" Govt. P. G. College, Gopeshwar, Chamoli, Uttarakhand 12-13, October, 2008
7. International Symposium on "Food Safety, Quality Assurance and Global Trade: Concerns & Strategies" College of Veterinary and Animal Science, G.B.P.U.Aagri. & Tech. Pantnagar 7-9 November, 2008
8. National Seminar on Environmental Politics India: Issues Challenges & prospects Department of Political Science Kumaun Kesari Pt. B.D.Pandey Govt. P. G. College, Bageshwar 28-29, November, 2008 A biotic factors of Nanak Sagar Dam
9. Three days Programme sponsored by Technical Education Quality Improvement Programme College of Fisheries, G.B.P.U.Aagri. & Tech. Pantnagar 19-21, February, 2009
10. Training on ICT Tools & Techniques for effective teaching and learning Computer Engineering Deptt., College, Technology, Pantnagar 24-28, February, 2009
11. Training Course of Fish Seed Production College of Fisheries, G.B.P.U.Aagri. & Tech. Pantnagar 11-24 September, 2009
12. National Seminar Zoological Society of India CIFRI Kolkata 22-23, December, 2010 Phytoplankton Ecology and Dynamics in Sub-Tropical Baigul Reservoir (Uttarakhand)
13. National Seminar on Environmental management & Biodiversity Conservation Omkarananda Institute of Management & Technology, Rishikesh (India) 26-27 February, 2011.
14. Science Education Programme L.S.M. Govt. P. G. College, Pithoragarh 28 February, 2011
15. National Seminar on Protection and Enforcement of Intellectual Property Rights (IPRs) in a Knowledge Economy: opportunities and Challenges L.S.M. Govt. P. G. College, Pithoragarh 6-7 March, 2011
16. 13th AZRA Conference Applied Zoological Researches for National Food Security & Environmental Protection Central Rice Research Institute (CRRRI) Cuttack 15-16 February, 2012 Fish diversity and fishery of Baigul, a subtropical reservoir in Uttarakhand
17. National Seminar on Industrial Pollution, Environment & Bio-Diversity Department of Zoology, Hindu College, Moradabad (U.P.) 18 February, 2012
18. National Workshop/Seminar on International Terrorism and India's Security Problems Department of Defence Studies, L.S.M. Govt., P.G. College, Pithoragarh 17-18 March, 2012
19. National Seminar on Geology, Biodiversity & Natural Resources of Himalaya and Their Intellectual Property Law Department of Geology, L.S.M. Govt. P.G. College, Pithoragarh 14-15 October, 2012
20. Global Symposium on Aquatic Resources for Eradicating hunger and malnutrition opportunities and Challenges Asian Fisheries Society Indian Branch (AFSIB) 3-6 December, 2012 "Zooplankton Community in Relation to Fish Production in Baigul Reservoir"
21. National Conference on Innovations in Ethnopharmacology, Recent Developments in Biological and Chemical

Sciences for Societal Benefits Department of Zoology, L.S.M. Govt. P.G. College, Pithoragarh 1-3 March, 2013
"Labeo Calbasu a Subtropical Reservoir in Udham Singh Nagar District of Uttarakhand"

22. Space Technology and its Applications Department of Geography, M.B.Govt.P. G. College, Haldwani, Nainital
04 March, 2013

23. National Symposium on Innovative and Modern Technologies for Sustainable Agriculture and Rural
Development Society of Biological Sciences and Rural Development 19-20 October, 2013

24. National Seminar on Recent Development in Physics & Prosperity in Solar Physics-Space Science Department
of Physics, M.B. Govt. P.G. College, Haldwani, Nainital 27-28 December, 2014 "Effect of Sunlight of Phytoplankton
Community in Baigul Reservoir"

25. Gurudev Ravindranath Tagore & Uttarakhand Himalayan Educational Research & Development Society in
association with Kumaun University, Nainital 10 May, 2015

26. Rashtriya Sangoshthi Parvatiya Shetron mein Uchch shiksha ki samasya avum sambhawna Departmet of
Sociology, M. B. Govt. P. G. College, Haldwani, Nainital 22-23 November, 2015 "Problem and Prospects of Higher
Education"

27. National Seminar on Sustainable Development in Indian Himalayan Region: Prospects & Challenges
Department of Commerce, D.S.B. Campus, Kumaun University, Nainital 14-15 March, 2016 "Limnological Parameters
of Baigul Reservoir in Udham Singh Nagar District of Uttarakhand"

28. Yoga, Naturopathy & Holistic Health Govt. Degree College Banbasa (Champawat) Uttarakhand Open
University Haldwani AROGYAM & International Society for Holistic Dentistry 27-28 August, 2016 "Yoga as a Holistic
Science"

29. Seven day National Workshop on Developing Synergy between Information Communication Technology &
Academics Department of Chemistry, M.B. Govt. P. G. College, Haldwani, Nainital 25-31 March, 2017

30. National Seminar on Strategies, Innovations and Sustainable Management for Enhancing Coldwater Fisheries
and Aquaculture Zoological Society of India and Coldwater Fisheries Society of India 22-24 September, 2017

31. National Workshop on Big data and Cloud Computing in Bioinformatics Bioinformatics infrastructure Facility,
Department of Biotechnology, Kumaun University, Bhimtal Campus, Bhimtal 15 March, 2018

32. National Conference on Advances in Mathematics and its Applications Department of Mathematics, M.B.Govt.
P.G. College, Haldwani, Nainital 17-18 March, 2018 "Role of Mathematics in Ecology"

33. Awareness Workshop on Water Conservation: A shift from Awareness to Consciousness Department of
Geography and Natural Resource Management, School of Sciences and School of Agriculture & Development Studies,
Uttarakhand Open University, Haldwani (Nainital) 20 March, 2018

34. National Seminar on Water, the Animated Life: Challenges & Solutions UGC-Human Resource Development
Centre, Kumaun University, Nainital 8-9 March, 2019 "Effect of Water Level in Fisheries of Baigul Reservoir"

35. National symposium on cold water fisheries development in India: Innovative approaches and way forward for
enhancing hill farmers income & foundation day celebration 2019 Directorate of Coldwater Fisheries Research,
Bhimtal Nainital 24-25 September, 2019

36. Seven Days National E-Workshop on Research Methodology For Sciences & Social Sciences organized by
Department of Defence Studies, Hindu College Moradabad & Advance Research Institute For Development of Social
Science (ARIDSS), Meerut, U.P. 11 June to 17 June 2020.

37. Science Leadership Workshop organized by the Central University of Punjab, Bathinda, India from June 22 to June
28, 2020.

38. Advanced Concepts for Developing Moocs. Teaching Learning Centre Ramanujan College University of Delhi from
July 02-July 17, 2020.

39. 2nd Annual Meet of GESA 2nd International Conference on Environment and Society (ICES2020) Socio-economic
and Environmental Issues: Challenges and Future Prospects in Current Pandemic Situation. Jointly organized by GESA
(New Delhi), Deemed University Mullana Ambala (Haryana), Autonomous College Gwalior (M.P.), K. J. College of Arts,
Commerce & Science, Ahmednagar (MS), NESA (New Delhi), ABRF Prayagraj (U.P.), India. Presented research paper
entitled "Physico-chemical Parameters in relation to Fish Diversity of Baigul Reservoir in Uttarakhand" 26, 27 & 28
December, 2020.

40. Online Training on Tools and Techniques in Research Methodology (TTRM 2021) during January 12-18, 2021 organized by Science Tech Institute, Lucknow, Uttar Pradesh.

41. National Conference on Integrity of Mathematics in Advancement of Science, Technology and Management (IMASTM 2021). Paper presented entitled "Role of Mathematical Modeling in the Fisheries Management". Held at M. B. Govt. P. G. College Haldwani (Nainital), Uttarakhand during 25-26 March, 2021.

42. National Seminar on Contemporary issues in Fisheries and Aquaculture held by G. B. P. U. A. & T., Pantnagar, Paper presented entitled "physico-chemical characteristics of Baigul reservoir". 19-20 May, 2022.

PUBLICATIONS

- ⇒ Population of plankton in the Nanak Sagar Reservoir of Uttarakhand, India. *J. Exp. Zool. India* Vol. 13, No. 1, pp 107 - 113.
- ⇒ Biotic factors of Nanak-Sagar Reservoir, Nanak Matha (U. K.) India. *J. Env. Bio-Sci.*, Vol. 24 (1): 121-125, Uttaranchal.
- ⇒ Phytoplankton ecology and dynamics in sub-tropical Baigul reservoir (Uttarakhand). *J. Inland Fish Soc. India*, 43 (1): 62-69.
- ⇒ Studies on the population dynamics of zooplankton in the Nanak Sagar Reservoir (Uttarakhand), India, *JYOTIRMAY Research Journal of Education*, Vol 6, 2018, Pg 167-173, ISSN 2454-6070
- ⇒ Limnological parameters of Baigul reservoir in Udham Singh Nagar District of Uttarakhand. *Bhartiya Himalaya Shetra m Satat Vikas: Sambhavnayein Avum Chunautiyaan* ISBN: 978-93-8543-705-2 Pg no. 366-372 First Edition: 2016
- ⇒ Fish diversity of Baigul, a subtropical reservoir in Uttarakhand. *ENVIS Bulletin Himalayan Ecology*. Vol-28 (2020) Pg-37-40 ISSN: 0971-7447 (Print) ISSN: 2455-6815 (Online).
- ⇒ Water quality assessment of Tumaria reservoir (Udham Singh Nagar). *International Journal of Creative Research Thoughts (IJCRT)*. Volume 12, Issue 1 January, 2024 ISSN:2320-2882. Pp. 92-98.
- ⇒ Study of the effectiveness of sewage treatment plants in Kosi river (Barrage) in Ramnagar, Nainital (Uttarakhand). *International Journal of Creative Research Thoughts (IJCRT)*ISSN: 2320-2882 Volume 12, Issue 4 April pp 941-950.
- ⇒ Observation on zooplankton community structure in Tumaria U. S. Nagar reservoir, Uttarakhand. Vol. 32, Issue 4, April 2026.

Chapter Published

- ⇒ Chapters on Annelida, Arthropoda, Mollusca, Echinodermata in Practical Zoology BSCZO-104, Uttarakhand Open University (Yr 2017 ISBN 978-93-85740-56-5)
- ⇒ Chapters on Arthropoda, Mollusca, Echinodermata in Non-Chordata, BSCZO-101, Uttarakhand Open University. (Yr 2017, ISBN 978-93-85740-53-4)

PERSONAL DOSSIER

Date of Birth: 21st July, 1980
Official Address: Dept. of Zoology, M.B. Govt. P.G. Haldwani, Nanital, Uttarakand-263139
Permanent Address: Aashirwad Apartments, Flat 80, Plot 11, Sector 12 Dwarka, New Delhi 110078.
Linguistic Skills: English and Hindi