

Curriculum Vitae

Full Name: GAURAV BHATT
Designation: ASSISTANT PROFESSOR
Department: Zoology
Campus: Srinagar



Mobile: +91 9675042766
Email grvbhatt231089@gmail.com

Education Qualification: M.Sc. Zoology, HNB Garhwal University, Srinagar Garhwal (2011)
University 1st rank in Zoology.

Ph.D. in Zoology, HNB Garhwal University (2018)

Title: Physical and Biochemical Characterization of Milt with
Ultrastructure of Sperm in Some Hillstream Teleost Fishes

- CSIR-NET JRF-2013 (AIR-50)
- GATE (Life Science)- 2012
- Uttarakhand State Eligibility Test (U-SET)- 2012

***Teaching Experience:** 6 Years **Research Experience:** As 05 Years
UGC-BSR fellow, CSIR-JRF
and CSIR-SRF

*Assistant Professor, Government Model Degree College, Kapoori Govindpur, Distt. - Saharanpur,
UP (24 Dec 2021-12 Oct 2023).

- Guest faculty in the Department of Zoology, BGR campus, Pauri Garhwal, HNB Garhwal University from Dec, 2020 to Dec 2021.
- Guest faculty in the Department of Zoology & Biotechnology, Birla Campus, HNB Garhwal University from August, 2017 to May 2020.

Research Interest and Fields of Specialization

- Fish Biology and Fishery Sciences
- Reproductive Biology of Hill stream fishes
- Taxonomy, Molecular Taxonomy (Phylogenetics)
- Histology and Electron Microscopy
- Ecology, Conservation Biology
- Biostatistics
- RNA sequencing and Gene expression

Membership of Scientific Organizations

- Member, Himalayan Young Research forum, GBPIHED, Kosi-Katarmal, Almora, Uttarakhand

Symposium/Workshop/Training Attended

- 15-day Faculty Development Programme on “NEP 2020 Orientation and Sensitization Programme” under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission organised by Malaviya Mission Teacher Training Centre, HNB Garhwal University from 1st to 15th December 2023.
- 21-day Online “GIS Training Program using QGIS”, conducted by the Department of

Geography, School of Earth Sciences, Central University of Karnataka, jointly with State Institute of Urban Development, Karnataka, India from 13.07.2020 to 02.08.2020.

- 7-day Faculty Development Programme on “Advanced Research & Statistical Techniques” organized by Uttaranchal college of Applied & Life Sciences (UCALS), Uttaranchal University, Dehradun from 22nd -28th February 2019.
- 1-day training & capacity building program on “Remote Sensing and Geographic Information System” organized by Uttarakhand Space Application Centre (USAC), Department of Science & Technology, Govt. of Uttarakhand at HNB Garhwal university, Srinagar Garhwal, Uttarakhand on 24 Dec 2018.
- 2-day workshop on “Applied Statistical Methods (ASM) in Research” at Department of Forestry and Natural resources, HNB Garhwal university, Srinagar Garhwal, Uttarakhand during 15-16 March 2016.
- 3-day Workshop on “Functional Genomics and Bioinformatics” at Lifeomics, the R&D Wing of B. P. Pharmaceuticals, Varanasi during 27 February to 1 March, 2013.

Paper presentation/Participation in Conferences

- Participated in the 102nd Indian Science Congress held at University of Mumbai, Mumbai from January 3-7, 2015.
- Oral presentation on “Physical and Biochemical Characterization of Milt in Himalayan Snow trout, *Schizothoracichthys progastus* (McClelland)” in National Seminar on Threats to Biodiversity and Ecosystems: Impacts of Developmental Projects and Climate Change and 25th All India Congress of Zoology during 17-19 November, 2014 at GKV, Haridwar, Uttarakhand.
- Oral presentation on “Semen characteristics of Himalayan Snow trout and its physiological correlation with sperm motility” in National seminar on Environmental health vis-à-vis human welfare in present scenario during 18th -19th April, 2016 at Department of Zoology, DAV PG college, Dehradun, Uttarakhand.
- Oral presentation on “Sperm ultrastructure of Snowtrout *Schizothorax richardsonii* (Gray) with its Milt characteristics” in Uttarakhand State Science and technology Congress 2016-17 during 02nd -04th March, 2017 at UCOST, Vigyan Dham, Dehradun, Uttarakhand.
- Poster presentation on “Sex Specific Differential Transcriptional Landscape in Adult Gold Fish Gonads by Next Generation Sequencing: A Preliminary Study” in International Conference on Reproductive Physiology and Comparative Endocrinology during 20-22 January 2018 at Department of Biological Sciences, BITS Pilani KK Birla Goa Campus, Goa.
- Presented a paper in National Seminar on “Issues and challenges of Physical Education and sports in National Education Policy 2020” entitled “Scope of aquaculture in Western Uttar Pradesh from NEP 2020 perspective” organized by Government Degree College, Nanauta, Saharanpur on March, 28, 2022.

Publications

Journals

- P. Sharma*, S. Purohit*, G. Bhatt*, S. Kothiyal, M. Singh, P. Nautiyal, and I. Bhattacharya (2023). A study on the seasonal cyclicity of ovarian development in adult Himalayan snow trout, *Schizothorax plagiostomus*. Journal of Fish Biology. <https://doi.org/10.1111/jfb.15449>

- P. Sharma*, S. Purohit*, G. Bhatt*, S. Kothiyal, M. Singh, P. Nautiyal, and I. Bhattacharya (2022). Evaluation of seasonal cyclicity of testicular development in adult Himalayan snow trout, *Schizothorax plagiostomus*. Aquaculture Reports, 27, p.101333.
(*Equal Contributing authors)
- V. Bahuguna, A. K. Chowdhary, S. Singh, G. Bhatt, S. Bhardwaj, N. Lohani and S. Bahuguna (2019) A food spectrum analysis of three bufonid species (Anura: Bufonidae) from Uttarakhand region of the western Himalaya, India. Journal of Threatened Taxa, 11(13), 14663-14671.
- S. Bhardwaj, D. Singh, S. Singh, G. Bhatt, V. Bahuguna, A. K. Chowdhary and S. N. Bahuguna (2019) Population Density of Himalayan Mouse Hare (*Ochotona roylei*) Along High Elevational Region of Madhmahashwar Uttarakhand, Western Himalaya, India. Environment and Ecology, 37 (3A): 836-842.
- A. K. Chowdhary, V. Bahuguna, G. Bhatt, S. Singh, S. Bhardwaj and S. N. Bahuguna (2018) Diet Composition of Indian Burrowing Frog *Sphaerotheca breviceps* (Anura:Dicroglossidae) in Uttarakhand Region of Western Himalaya, Proceedings of the Zoological Society, Kolkata, India. 71 (2), 114-120. DOI 10.1007/s12595-016-0195-6
- G. Bhatt, S. Singh, V. Bahuguna, A. K. Chowdhary, S. Bhardwaj and S. N. Bahuguna (2017) Semen quality and sperm ultrastructure of Himalayan snowtrout *Schizothorax plagiostomus* Heckel, 1838. Indian Journal of Fisheries, 64(1): 49-55. DOI: 10.21077/ijf.2017.64.1.61169-08.
- V. Bahuguna, A. K. Chowdhary, S.N. Bahuguna, S. Singh, G. Bhatt, S. Bhardwaj (2016) Biometrical Analysis and Distribution of *Duttaphrynus melanostictus* (Anura: Bufonidae) in Dehradun region of Western Himalaya. International Journal of Fauna and Biological Studies 3(3): 161-165
- S. Singh, P. Arya, S. Bahuguna, J. P. Mehta, G. Bhatt, A. K. Chowdhary and V. Bahuguna (2016). Antibacterial activity from haemolymph of freshwater crab of genus *Maydelliathelphusa* against respiratory tract pathogens. International Journal of Pharmacy and Pharmaceutical Sciences 8(2): 324-325.

Proceedings/Book Chapters

- V. Bahuguna, G. Bhatt, R. Maikhuri, and D. Chandra (2021). Nitrogen Fixation Through Genetic Engineering: A Future Systemic Approach of Nitrogen Fixation. In Microbial Metatranscriptomics Belowground (pp. 109-122). Springer, Singapore. (ISBN 978-981-15-9758-9).

Subject Books

- G. Bhatt, O. Datta (2023) M.C.Q. Zoology-II (Biochemistry and Physiology), Pragati Prakashan, Meerut (ISBN: 978-81-1906-776-3).
- G. Bhatt, O. Datta (2023) M.C.Q. Zoology-IV (Gene Technology, Immunology and Computational Biology) Pragati Prakashan, Meerut (ISBN: 978-93-5854-014-7).