

Curriculum Vitae

Name MANJU PRAKASH GUSAIN
Designation Professor
Department Zoology
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Education Qualification M.Sc. in Zoology (1985), D.Phil. in Zoology (1990), HNB Garhwal University; UGC-NET (1986)

Teaching Experience 30 Years **Research Experience** 36 Years

Areas of Interest/ Specialization

1. Aquatic insect ecology
2. Environmental biology
3. Conservation biology

Honours & Awards

1. 1st Position in Garhwal University (M.Sc. Zoology, 1985)

Member of Academic Institutions

1. Professor, HNBSGU (Since 01.01.2009)
2. Reader & Associate Professor, HNBSGU (19.08.2001 to 31.12.2008)
3. Lecturer & Senior Lecturer, HNBSGU (19.8.92 to 18.8.2001)
4. Lecturer (Ad-hoc), HNBSGU (08.10.91 to 07.04.92)

Membership of Scientific Organization

1. Life Member, National Institute of Ecology (NIE)
2. Life Member, Indian Academy of Environmental Sciences (IAES), Haridwar
3. Member, Society for Himalayan Action Research & Development (SHARAD), Pauri Garhwal

Research Supervision (No. of Ph.D. Degree Awarded/ Registered)

Awarded: 06; Registered: 01

Research Projects/ MoU undertaken

1. The influence of landuse on benthic macroinvertebrate communities of Alaknanda river catchment in Garhwal Himalaya. Uttarakhand Council of Science & Technology, Dehradun (UCS&T/R&D/LS-72/07-08/2585/2) Duration: 2008-2011 **Completed**
2. Aquatic insect diversity in relation to the environmental factors in various stream orders of a central Himalayan watershed. GB Pant Institute of Himalayan Environment & Development, Almora (GBPI/IERP/99-2000/22/7385) Duration: 2001-2004. **Completed**
3. Community structure and productivity of the macroinvertebrate benthos in a spring fed stream of Garhwal Himalaya. DST Young Scientist Research Project (HR/OY/Z09/95) Duration: July 1996-September 1998. **Completed**
4. Systematics of benthic insects in hillstreams of Garhwal Himalaya. Minor research project given to University teachers by UGC (HNBSGU/94/144) Duration: November 1993-October 1996. **Completed**
5. Associated with UGC-SAP, COSIST & DST-FIST programme sanctioned to the department.

Administrative Experience

1. Member, Permanent Cell for Combating Sexual Harassment and Violence against Women, HNBSGU (2004 -2021).

2. Member, Remedial Coaching Cell for SC/ST and Minorities Student, HNBSU (2008-2011).
3. Programme Officer, NSS, HNBSU (2002-2005)

Conference/Symposium/Workshop Attended during last five years

1. International Conference on 'Contemporary Issues of Climate Change, Conservation of Biodiversity and Natural Resources in Himalayan Environments' organized by Department of Zoology, Govt. PG College, New Tehri, Uttarakhand (November 14-16, 2019).
2. Workshop on 'Arctic and Alpine Aquatic Science- implications of climate change on proglacial freshwater ecosystems functioning and services' under Indian-Danish Network Project organized by Department of Zoology & Biotechnology, HNBSU, Srinagar (October 11-13, 2019)

Best Peer-Reviewed Publications during last five years

1. Pant, Manu, Prabha Bisht, **Manju P. Gusain**, Kumud Pant 2023. Effect of pH and gelling agents in nutrient medium on in vitro shoot multiplication of *Swertia chirata* Buch-Ham ex Wall: An endangered medicinal herb. Materials Today: Proceedings, Volume 73, Part 1, 2023, Pages 9-12 <https://doi.org/10.1016/j.matpr.2022.08.502>
2. Rayal, Sonika, **Manju Prakash Gusain**, O. P. Gusain, Rakesh Kumar 2022. Groundwater Quality in Hilly Region of Uttarakhand with Particular Reference to Srinagar (Garhwal) and its Surrounding. J. Mountain Res. Vol. 17(2), 85-95, P-ISSN: 0974-3030, E-ISSN: 2582-5011 DOI: <https://doi.org/10.51220/jmr.v17i2.8>
3. Singh, P, S Nautiyal, N Swami, JS Rana, **MP Gusain**, OP Gusain 2020. A Case Study of the Phenotypic Variations in *Barilius bendelisis* (Hamilton) from a Perennial Stream and a Fish Pond of Garhwal Himalayan Region of Uttarakhand, India. Journal of Tropical Life Science 10 (3), 185-196
4. Singh, P, P Sharma, N Swami, JS Rana, **MP Gusain**, OP Gusain 2020. Composition and Diversity of Phytobenthic Communities Downstream to a Hydroelectric Dam on River Alaknanda in Garhwal Himalayan Region of Uttarakhand, India. International Journal of Ecology and Environmental Sciences 46 (2), 111-116
5. Singh, Pranav, Kamini Sharma, Navneet Swami, Jitendra Singh Rana, **Manju Prakash Gusain & Om Prakash Gusain** (2019). Assemblages of Benthic Macroinvertebrate Communities Downstream of a Dam on River Alaknanda in Garhwal Himalaya, Uttarakhand, India. International Journal of Ecology and Environmental Sciences 45 (4): 403-412, 2019 ISSN: 2320-5199 (Online)
6. Swami N, Singh P, Gul M, Rana JS, Dewan S, **Gusain MP** & Gusain OP (2019). Molecular characterization of Ephemeroptera (Mayfly) inhabiting River Alaknanda, Uttarakhand based on mitochondrial control region. Environment and Ecology, 37(2) 555-560. ISSN: 0970-0420
7. Rana JS, Semalty B, Singh P, Swami N, Dewan S, Singh J, **Gusain MP** & Gusain OP (2017). Checklist of benthic macroinvertebrate taxa along different riparian land use types in Alaknanda River Catchment of the Central Himalaya, Uttarakhand (India). *Proc. Zool. Soc.*, DOI 10.1007/s12595-017-0241-z. ISSN: 0974-6919 (electronic version)

Total Number of Research Publications: 36