

Prof. (Dr) N. K. Agarwal

Curriculum Vitae

Website: <http://www.hnbgu.ac.in>

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Professor

Department of Zoology
School of Life Science
HNB Garhwal Central University
SRT Campus Badshahithaul
Tehri Garhwal-249 199,
Uttarakhand INDIA
+91-9412987440



Experience

29 years Teaching Experience

2009-till date Professor, Department of Zoology, HNB Garhwal Central University
2006-2009 Associate Professor, Department of Zoology, HNB Garhwal University
2001-2006 Reader, Department of Zoology, HNB Garhwal University
1991-2001 Lecturer, Department of Zoology, HNB Garhwal University

36 years Research Experience

Field of Research Interest Fish biology, Limnology, Biodiversity
Google scholar Citation 518
h-index 12
i10 index 16

Administrative Experience

In-charge/Head UGC Compulsory course Environ. Science, Badshahithaul Campus since 2005
Chief Election Officer Student Union Election 2019-20 SRT Campus
Nodal officer UKSEE 2018 entrance exam of Uttarakhand Technical University
Micro-observer Lok Sabha Election 2017
Convener Admission Committee (B.Sc. I Bio group) session 2015-16, 2017-18, 2019-20
Joint Secretary HNB Garhwal Univ Alumni Association 2018-20
Convener Admission Committee (B.Sc. III sem Bio group) session 2018-19
In-charge Head Department of Zoology, SRT Campus, Badshahithaul 2017-18
Convener Campus Purchase committee for the session 2017-18
Deputy Proctor HNB Garhwal Univ., SRT Campus Badshahithaul 2015-16
Observer Uttarakhand PMT-2015
Convener Admission Committee (B.Sc. II Bio group) session 2014-15
Member Admission Committee (M.Sc. Zoology) SRT Campus since 2014
Deputy DSW HNB Garhwal Univ., SRT Campus Badshahithaul 2013-14
Member Inspired Teacher Network (Badshahithaul Campus) 2013-14
Member Campus Administrative Committee for the session 2009-10, 2011-12
Assistant Dean Student HNB Garhwal Univ., SRT Campus Badshahithaul, for the period 2004-07,
Welfare 2009-2010, and 2011-13
Assistant Election officer Student Union Election, HNB Garhwal Univ. SRT Campus Badshahithaul
during the session 2006-07, 2008-09
Programme officer NSS Unit HNB Garhwal Univ., SRT Campus Badshahithaul 2001-02
Assistant Proctor HNB Garhwal Univ., SRT Campus Badshahithaul 1995-96
Centre Superintendent /
Assistant Superintendent SRT Campus Badshahithaul in different academic sessions
Exam

Honors & Awards

- 2010 Fish & Fisheries award of ASEA (Action for Sustainable, Efficacious development and Awareness)
2010 Fellow Award from MANU- International Council for Man and Nature
2017 Gold medal and fellow award of ASEA

Professional recognition

- Member Board of Studies of Zoology, CSJM University Kanpur 2021
Co-opted Member Board of Studies of Zoology, Aligarh Muslim University Aligarh 2020
Subject Expert Appointment of Professor/Associate Prof., CSJM Univ. Kanpur. Aug. 2020
Expert Selection Committee for Asso. Professor, DAV PG College Dehradun, 2020
Member RDC SDS Uttarakhand University, 2020
Subject Expert, DG ICAR DDC for Scientist, ICAR-Directorate of Cold Water Fisheries Research, Bhimtal, Jan. 2019
Subject Expert DDC for Scientist, ICAR-Directorate of Cold Water Fisheries Research, Bhimtal, July 2019
Convener UG PG Syllabus Restructure Committee, SDS Uttarakhand University, 2018
UGC nominee member UGC-SAP advisory committee, Jammu Univ., Jammu 2017
Subject Expert Interview Board for secondary teachers in Uttarakhand Lok Seva Ayog, 2015
External expert RDC (Zoology) CCS Meerut University 2017, 2021
Member BOS, Zoology and Biotech., HNB Garhwal Univ. since 2014 to till date
Member Faculty Board Life Science, MJP Rohilkhand University 2017, 2019, 2020
Subject Expert Uttar Pradesh Public Service Commission (UP PSC) 2010
Subject Expert Uttarakhand Lok Seva Ayog in various committees, 2017, 2018, 2019
Subject Expert Uttarakhand Subordinate Service Selection Commission, Dehradun
Convener/ member Various committees for approval of courses in affiliated colleges of SDS Uttarakhand Univ. 2016-19

Research Projects (Total funding more than Rs 80 lac)

- DBT New Delhi Genetic diversity molecular delineation and phylogenetic kinship in the declining population of four species of *Channa* from North India and possible conservation strategies. P.I. Prof. Iqbal Parwez, AMU, Aligarh **Co-PI : Prof N. K. Agarwal Rs 59.53 Lac. 2011-2014**
- UGC New Delhi Coldwater fish diversity and fisheries of the river Ganga and its tributaries in Garhwal Himalaya: Re-assessment and Inventorization in reference to habitat fragmentation. **Rs. 9.08 Lac, 2010-2013**
- ICAR, New Delhi Developing cryopreservation protocols for spermatozoa of snowtrout and other endangered cold water species. **Rs. 16.25 Lac, (2002-2005)**
- ICAR. New Delhi Reproductive strategies of snowtrout (*Schizothorax* sp.) with reference to environment of river Bhagirathi and Bhilangana of Tehri Garhwal. **Rs 7.64 Lac. (1998-2001)**

Professional consultancy

- Team member of the EIA ***Ecological parameters of the Bhagirathi River***-Environmental flow consideration for Lohari-Nagpala HPP on the river Bhagirathi. Prof. H.R.Singh (P.I) Dr. Neeraj Kumar (Co-P.I.) **Dr. N. K. Agarwal (Co-P.I.)**

Research Supervision

- Ph.D. students supervised 08
Registered for Ph.D 01
M.Sc. dissertation 06

Research Publication

Books Authored 02

- 2021 **The Ganga in the Himalayas: Fish Diversity and Environment**
Agarwal, N. K. And Singh, G. , ISBN 978-93-89996-81-4
Narendra Publishing House, New Delhi (India) pp 184
- 2008 **Fish Reproduction** p157. ISBN 978-81-313-0357-3
Agarwal, N. K. APH Publishing Corporation, New Delhi

Books Edited 02

- 2018 **Water Biology.** (2018). 379 p. ISBN-978-93-5056-888-0
(Eds) Khanna D. R., Bhutyani R., Gautam A., Pathak S. K. and **Agarwal N.K.**
Discovery Publishing House Pvt. Ltd., New Delhi (India).
- 1996 **Recent Researches in Aquatic Environment** (1996) p.190
(Eds. Gautam A. and Agarwal N.K.) Daya Publishing House, Delhi.

Research papers 63 (Sixty Three) [Impact Factor: 0.00 - 4.816]

- National/International Journals 44
- Conference Proceedings 06
- Chapter in Books 13

Seminar/Workshops/ attended/ paper presented/delivered invited talks/chaired technical sessions

- International 06
- National 71

Seminar/ workshop organised

- Member organisin g committee International Seminar on Himalayan Challenges: Towards Interdisciplinary Dialogues for Sustainability and Development' Jointly organized by Sri Dev Suman Uttarakhand University and Doon University Dehradun from 29th Nov- 1st Dec 2017.

Membership of professional/academic bodies, societies,etc.,

- Life member Coldwater Fisheries Society of India, DCFR-ICAR, Bhimtal
- Life member Inland fisheries society of India, Central Inland Capture Fisheries Research Institute, Barrackpore (WB)
- Life member Indian Fisheries Association, CIFE Versova, Mumbai
- Life member Society of Bio-science, Mujaffarnagar
- Life member Action for Sustainable Efficacious Development and Awareness, Rishikesh
- Life member Fresh water Biological Association of India , Bhagalpur
- Life member Zoological Society of India, Bodh Gaya
- Life member Nature Conservators, Muzaffarnagar

Patents/ Products/ Technologies Developed

- 2014 Gene sequences of 09 cold water fish species Submitted to NCBI GenBank USA (<http://www.ncbi.nlm.nih.gov/>)
GenBank Accession number [KJ183107, KJ183108, KJ183109, KJ183110, KJ183111, KM191351, KM191352, KM191353, KM191354]
GenBank Accession number KJ869417, KJ869418, KJ869419, KJ869420, KJ869421, KJ869422, KJ869423, KJ869424
- 2006 Protocol for the Cryopreservation of Semen of Snowtrout sp. (*Schizothorax richardsonii* and *Schizothoraichthys progastus*) was developed
- 2001 Snowtrout (*Schizothorax richardsonii*) seed production technique developed

- for the first time by artificial fertilization and Induced breeding through Ovaprim administration
- 2001 Spawning grounds of indigenous snowtrout in the Bhagirathi and Bhilangana Rivers are identified.
- 2001 In-depth studies was conducted on the breeding biology and reproductive environment of commercially important snowtrout sp. of different aquatic bio-tops.
- 2001 Low cost flow through hatchery and hatching boxes was designed for snowtrout seed production to ensure conservation in the wild

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