

# Prof. (Dr) N. K. Agarwal

## Curriculum Vitae

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

Web of Science Researcher ID **AAJ-3176-2020** agarwalnareshk3@rediffmail.com

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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	Loksabha 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 Welfare	HNB Garhwal Univ., SRT Campus Badshahithaul, for the period 2004-07, 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	

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## 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

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## 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

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## 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)**

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## 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.)**

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## Research Supervision

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

<hr/>		<b>Research Publication</b>
<b>Books Authored</b>		<b>02</b>
2021	<b>The Ganga in the Himalayas: Fish Diversity and Environment</b> <b>Agarwal, N. K. And Singh, G. ,</b> ISBN 978-93-89996-81-4 Narendra Publishing House, New Delhi (India) pp 184	
2008	<b>Fish Reproduction</b> p157. ISBN 978-81-313-0357-3 Agarwal, N. K. APH Publishing Corporation, New Delhi	
<b>Books Edited</b>		<b>02</b>
2018	<b>Water Biology.</b> (2018). 379 p. ISBN-978-93-5056-888-0 (Eds) Khanna D. R., Bhutyani R., Gautam A., Pathak S. K. and <b>Agarwal N.K.</b> Discovery Publishing House Pvt. Ltd., New Delhi (India).	
1996	<b>Recent Researches in Aquatic Environment</b> (1996) p.190 (Eds. Gautam A. and Agarwal N.K.) Daya Publishing House, Delhi.	
<b>Research papers</b>	<b>63</b>	<b>(Sixty Three) [Impact Factor: 0.00 - 4.816]</b>
National/International	44	
Journals		
Conference Proceedings	06	
Chapter in Books	13	
<hr/>		<b>Seminar/Workshops/ attended/ paper presented/delivered invited talks/chaired technical sessions</b>
International	06	
National	71	
<hr/>		<b>Seminar/ workshop organised</b>
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 29 <sup>th</sup> Nov- 1 <sup>st</sup> Dec 2017.	
<hr/>		<b>Membership of professional/academic bodies, societies,etc.,</b>
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	
<hr/>		<b>Patents/ Products/ Technologies Developed</b>
2014	Gene sequences of 09 cold water fish species Submitted to NCBI GenBank USA ( <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> ) <b>GenBank Accession number</b> [KJ183107, KJ183108, KJ183109, KJ183110, KJ183111, KM191351, KM191352, KM191353, KM191354] <b>GenBank Accession number</b> KJ869417, KJ869418, KJ869419, KJ869420, KJ869421, KJ869422, KJ869423, KJ869424	
2006	Protocol for the Cryopreservation of Semen of Snowtrout sp. ( <i>Schizothorax richardsonii</i> and <i>Schizothoraichthys progastus</i> ) was developed	
2001	Snowtrout ( <i>Schizothorax richardsonii</i> ) 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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