

Kumaun University, Nainital

Curriculum Vitae

Name : Prof. Harish Chandra Singh Bisht (Major)
Designation : Professor
Department : Zoology, D.S.B.Campus, Kumaon University, Nainital

Contact Information

- Email Address : hcsbishtji@gmail.com
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LinkedIn Profile (Optional) :

ORCID ID :

Scopus ID :

Vidwan ID :

Educational Qualification

Degree	University	Subjects	Year
UG	Kumaon University, Nainital	Zoology, Botany, Forestry	1987
PG	Kumaon University, Nainital	Zoology	1989
Ph.D	Kumaon University, Nainital	Zoology	1993

Work Experience

Position	Department	University/Organization	Year
Asstt Proctor	D.S.B.Campus	Kumaun University, Nainital	2000-2010
Proctor	D.S.B.Campus	Kumaun University, Nainital	2016

Asstt. DSW	D.S.B.Campus	Kumaon University, Nainital	
Principal	Community College	Kumaon University, Nainital	2017
Head of Dept.	Zoology D.S.B.Campus	Kumaon University, Nainital	2018-2021
Controller of Examination		Kumaon University, Nainital	08 May 2020-13 Sep.2022
Proctor	D.S.B.Campus	Kumaon University, Nainital	2023
Member Secretary, UK	Uttarakhand State Eligibility Test	Kumaon University, Nainital	December 2022
Head of Dept.	Zoology D.S.B.Campus	Kumaon University, Nainital	2023 onward

Administrative Responsibilities

Position	Nature of responsibility	University/Organization	Year
1. Member of Fee concession Board	B.Sc. 1 st & 2 nd	Kumaon University, Nainital	2000-2003
2. In-charge Admission committee	B.Sc. I D.S.B.Campus		2001-2005
3. Assistant Dean Student Welfare	D.S.B.Campus	Kumaon University, Nainital	2014-2020 2002
4. I/C Lawn tennis and water sports	D.S.B.Campus	Kumaon University, Nainital	2004-2007
5. Pre- Commission Officer Training Academy, Kampty, Nagpur	Company Commander Associate NCC Officer, Rank- Lieutenant, Captain and Major.	1/79 Bn NCC, D.S.B.Campus ,Nainital Kumaon University, Nainital	PRCN2002 Part I 2005 PartII 2016

6. Assistant Controller of Examination	Main Examination	Kumaon University, Nainital	2005-2008
7. Coordinator -Central Evaluation for main exam.	Evaluation of all Degree courses Examination	Kumaon University, Nainital	2009-2015
8. Observer, B.Ed. Entrance Exam.	Visited different examination centres Annual Sport – referee Sports Dept.	Kumaon University, Nainital	2009-2012
9. Member Athletics			2004-2014
10. Exam Superintendent	Main Examination		2013-2014

Research Interests

(List your research interests and areas of expertise in 1-3 lines)

Fish and Fisheries, Applied Ichthyology and Aquaculture. Worked on fish culture practices and transfer knowledge from lab to fish farmers. Coldwater fish farming technology developed like triploid with the help of 5000 psi and breeding practices developed at farmers level.

Publications (start from recent publications)

a) Research Papers

Authors name	Title of the paper	Vol, page no	Year
Toshibaa, H. C. S. Bisht, N.N. Pandey, Shital Sharma	Conformity of diploids and triploids in Snow Trout, <i>Schizothorax richardsonii</i> by the erythrocyte measurement	High Technology Letter 29(4), 348-353	2023

Toshibaa, H. C. S. Bisht , N.N. Pandey	Silver staining of Nucleolar organizing regions for ploidy confirmation in <i>Snowtrout Schizothorax richardsonii</i> (Gray, 1832)	Journal of Aquatic Biology & Fisheries 11(1) , 95-98	2023
Toshibaa, H. C. S. Bisht , N.N. Pandey	Standardisation of Colchicines Concentration for the Karyotyping of <i>Schizothorax richardsonii</i> Found in Kumaun Hill Region, Uttarakhand, India	International Journal of Zoological Investigations9(1), 339-346	2022
Toshibaa, H. C. S. Bisht , N.N. Pandey	Growth Performance of <i>Schizothorax richardsonii</i> fingerlings with different feeding stragies	Pantnagar journal of Research21(2)274-278	2021
Siddiqui U , Rani A, Bisht H.C.S and Pandey N. N	Comparative Hematological Profile Three Species of Schizothorax Group Found in the Streams of Himalayan Region	Asian Journal of Biological and Life Sciences 12(3), 616-621.	2021
Uzma Siddiqui , Amrita Rani, Gaurav Rawat, Harish Chandra Singh Bisht and Nityanand Pandey	Influence of age on the Hematological Profile of <i>Schizothorax richardsonii</i> (Snow trout) in wild and farmed condition.	High Technology Letter 29(3), 209-220.	2020
Arya Geetika, Bisht.H.C.S , Hemlata, Mandoli Sandeep and Siddiqui Uzma	Study on Status of Physico-Chemical Parameters of Lotic Water Body, Shipra in the Mountain Region of Kumaun Himalaya, Uttatkhand, India	International Journal of Zoological Investigations 8(1), 90-97.	2020
Sharma Sheetal, H.C.S. Bisht , N.N Pandey, Bipin.K. Vishwakarma and Uzma Siddiqui	Effect of Herbal Feed Additives on Hematological Parameters of Snow Trout (<i>Schizothorax richardsonii</i>).	Journal of Experimental Zoology 25(1), 1267-1271.	2020
Sheetal Sharma, H. C. S. Bisht , N. N. Pandey and	Herbal Feed Additives for Gonadal Maturity and	IndiaAsian Pacific Journal of	2019

Bipin Vishwakarma Kumar	Breeding Performance of Female Snow Trout (<i>Schizothorax richardsonii</i>) in Captive Condition	Health Sciences 9(1):110-114.	
Meena Kumari and H.C.S. Bisht.	Studies on the reproductive indices of the fresh water prawn <i>Macrobrachium hedersodayanum</i> from tarai region of Kumaon, Uttarakhand, India.	<i>Journal of Environment and Biosciences. (J.Env. Bio-Sci)</i> Vol. 30 (2) 321-325.	2016
Meena Kumari, H.C.S. Bisht and Dharmendra Singh Rathore.	Study of biology of <i>Macrobrachium hedersodayanum</i> (Crustacea, Decapoda, Palaemonid) from the tarai region of Uttarakhand, India.	<i>International Journal of Current research.</i> Vol. 8 (10) 39725-39729.	2016.
R.S. Chalal, H.C.S. Bisht, Prem Kumar and Nandkishore A. Ingole.	Productivity analysis of Baigul reservoir through remote sensing technique.	<i>J.Env. Bio-Sci.</i> Vol. 30(1) 133-136.	2016.
Ramesh S. Chalal, Prem Kumar, H.C.S. Bisht and Nandkishore A. Ingole.	Remote sensing study on geomorphological degradation of Baigul reservoir of tarai region of Uttarakhand.	<i>The Ecoscan.</i> Vol. 10(3&4) 475-480.	2016.
H.C.S. Bisht and Renu Bisht.	Experimental studies on the effect of three different diets on food conversion efficiency of the coldwater prawn, <i>Macrobrachium assamensis peninsularis</i> (Tiwari) from Kumaon region of Central Himalaya, Uttarakhand	<i>Journal of Environment and Biosciences.</i> 25 (1) : 49-53.	2011
H.C.S. Bisht, Renu Bisht, Shyam singh Kunjwal and N.N. Pandey	Observations on the use of artificial substrates for periphyton based culture of <i>Schizothorax richardsonii</i> (Gray) in raceways of mountainous region of Kumaon,	<i>J. Env & Biosci.</i> 26 (1) : 99-104	2012.

	Uttarakhand.		
Pushpita Das, Devajit Sarma, H.C.S. Bisht and Partha Das	Nutritional quality of exotic rainbow trout (<i>Oncorhynchus mykiss</i>) and indigenous snow trout (<i>Schizothorax richardsonii</i>) in upland Himalayan region.	<i>Indian J. Anim. Nutr.</i> 29 (2) 121-126.	2012.
D. Sarma, P. Dhar Das, P.Das H.C.S. Bisht, M.S. Akhtar and A. Ciji.	Fatty Acid, amino acid and mineral composition of rainbow trout (<i>Oncorhynchus mykiss</i>) of Indian Himalaya.	<i>Indian Journal of Animal Research</i>	2012.
U.P. Singh, N.N. Pandey and H.C.S. Bisht.	Growth performance of exotic carps in poultry waste recycled ponds	<i>International Journal of Advanced Research</i> . Vol. 1, Issue 7. 239-248, 239 <i>Journal homepage: http://www.journalijar.com</i> ISSN NO.2320-5407.	2013
U.P. Singh, N.N. Pandey and H.C.S. Bisht.	Impact of poultry birds integration on water quality characteristics of fish ponds in coldwater conditions.	<i>J.Ecophysiol.Occup. Hlth.</i> 3&4, 39-45.	2013
H.C.S. Bisht and Renu Bisht.	Observation on food and feeding habits of freshwater prawn of Kumaon region of Uttarakhand.	<i>Ecological consciousness in Literature</i> . Publisher : Ykingbooks, Jaipur (Rajasthan) 10-20.	2013
Bsiht, H.C.S., J. Kaur, S. Kumar and S.K.Agarwal.	Comparative fecundity and fertility of the two species of <i>Macrobrachium</i> (Crustacean, Decapoda, Palaemonidae) from Kumaon region of Utter Pradesh, India.	<i>Nat. Acad. Sci. Letters.</i> 15 (12):389-394	1992
Kaur, J., H.C.S.Bisht and S. Kumar.	Reproductive biology of the two prawns of Kumaon region.	<i>Env. Ecology.</i> 10 (3):585-592.	1992
Sharma, A.P., H.C.S.Bisht and R.S.Chauhan	Observations on epizootic ulcerative fish disease in tarai region of Utter Pradesh.	<i>Him. J. Env. Zool.</i> , 12:83-89	1998
Bisht, H.C.S., V.S.Chandrasekaran and U.P.Singh..	Effect of feeding frequency on the fresh water prawn	<i>Proc. Acad. Env. Biology.</i> Vol. 7, 14-16	1998

	<i>Macrobrachium lamarrei lamarroides.</i>		
Chandrasekaran, V.S., H.C.S.Bisht and A.P.Sharma.	Pesticide toxicology to the freshwater prawn <i>Macrobrachium lamrrei.</i>	Advances in Aquaculture. pp. 214-220.	2000
S. Kumar and H.C.S.Bisht.	Uttarakhand mai Neel Kranti.	Sarad Nanda. pp. 93-98.	2000
Bisht, H.C.S. and S. Kumar	Fishery prospects of fresh water prawn <i>Macrobrachium assamensis peninsularis</i> of Kumaon Himalaya, Uttaranchal.	Proc. Nat. Symp., Fish Health Manag. Sustain. Aquacul., Pantnagar. pp. 29-34.	2001
Bisht, H.C.S., S. Kumar and Namita Joshi	General and relative growth studies on the common coldwater prawn <i>Macrobrachium assamensis peninsularis</i> (Tiwari) from Kumaon Himalaya.	Him. J. Env. Zool., Vol. 16 (1): 103-112.	2002
Namita Joshi, S. Kumar and H.C.S. Bisht	Recovery assessment in <i>Paratelphusa masoniana</i> (Henderson), sublethally exposed to aldrin and monocrotophos.	Him. J. Env. Zool., Vol. 16 (1): 49-56.	2002
Bisht, H.C.S., J. Kaur, S. Kumar and Namita Joshi.. Proc.	Larval history of a freshwater prawn from tarai region of Kumaon Himalaya.	Nat. Acad. Sci., India, 74(II) – B, Part - I : 17-27.	2004
Bisht, H.C.S., V.S.Chandrasekaran and U.P. Singh.	Acute toxicity of pesticide endosulfan to the youngones of the fish <i>Channa gachua</i> (Ham.).	Fishery Technology. Vol. 42 No.2, July 2005.	2005
Chandrasekaran, V.S., H.C.S.Bisht and U.P. Singh	Effect of feeding frequency on the growth of <i>Macrobrachium lamarrei lamarroids</i> (Tiwari).	Ian, J. Fish., 52(1) : 111-113 Jan.-Mar.	2005.
Bisht, H.C.S., S. Kumar and Renu Bisht..	Influence of eyestalk ablation and the injection of the extracts of brain and thoracic ganglion and the gonadal development in	Him. J. Env. Zool., 21(1) : 21-27.	2007

	freshwater female prawn, <i>Macrobrachium assamensis peninsularis</i> (Tiwari).		
H.C.S. Bisht and Renu Bisht.	Experimental studies on the effect of three different diets on food conversion efficiency of the coldwater prawn, <i>Macrobrachium assamensis peninsularis</i> (Tiwari) from Kumaon region of Central Himalaya, Uttarakhand.	Jouirnal of Environment and Biosciences. 25 (1) : 49-53.	2011

b) Patents (start from recent publications) **NA.**

Authors name	Title of the patent	Patent no (Granted or filed)	Year

c) Books (start from recent publications) **NA**

Authors name	Title of the book	Publisher	ISBN	Year

d) Book chapters (start from recent publications)

Authors name	Title of the book	Publisher	ISBN	Year
Siddiqui, U., Miglani, R., Parveen, N., Kumar, A., Sharma, S., and Bisht, H.C.S.	Aquatic Pollution: Concerns and Abatement.	CRC Press London	978-93-58999	2023
Dewali,S, Siddiqui, U, Sharma,S, S. Bisht, H.C.S , Pandey, N.N, and Bisht, S.S.	Aquatic Pollution: Concerns and Abatement.	CRC Press London	978-93-58999	2023
Shyam Singh,	Biodiversity of	In: Coldwater fisheries		2010

N.N. Pandey and H.C.S. Bisht	plankton population in snow trout (<i>Schizothorax richardsonii</i>) culture pond at Nainital, Uttarakhand. In: Coldwater fisheries management.	management.Eds. P.C. Mahanta and Debajit Sarma, Directorate of Coldwater Fisheries Research, (ICAR), Bhimtal, Nainital (Uttarakhand). pp.241 – 250.		
Mamta Joshi and H.C.S. Bisht	Hill stream prawn in Uttarakhand with special reference to growth performance of <i>Macrobrachium assamensis peninsularis</i> .	In: Coldwater Fisheries Management. Eds. P.C. Mahanta and Debajit Sarma, Directorate of Coldwater Fisheries Research, (ICAR), Bhimtal, Nainital (Uttarakhand). pp.125 – 130.		2010
Puspita Das, Debajit Sharma, H.C.S. Bisht and N. Okendro Singh	Proximate and mineral composition of some selected coldwater fish species	In: Coldwater fisheries management. Eds. P.C. Mahanta and Debajit Sarma, Directorate of Coldwater Fisheries Research, (ICAR), Bhimtal, Nainital (Uttarakhand). pp. 321 – 332.		2010
Kumar, S., H.C.S. Bisht and J.Kaur. and W.S.Lakra, Bombay.	Bionomics and fishery prospects of the cold water prawn of Kumaon Himalaya.	Book: Cold Water Aquaculture and Fisheries (Eds.) H.R.Singh, Allahabad		1995
Kumar and H.C.S. Bisht.. In: Proc. Nat. Sem. Aquat. Res.	Complete larval development of the cold water prawn of Kumaun Himalayas (<i>Macrobrachium assamensis</i>)	Manag. in Hills (Eds. Vass, Abidi, Agarwal). pp. 179-191. (ICAR Publication). <i>peninsularis</i> (Decapoda, Palaemonidae) reared in laboratory.		2005
Kumar, S. and H.C.S.Bisht.	Parvatiya saitra mai Neel Kranti dwara arthik va samajik vikas ki appar sambhaawanai. In:	(Eds. Madan Mohan, C.B.Joshi & A.K. Joshi). ICAR Publication. pp. 22-26.	2003	

	Proc. Parvatiya saitra mai Matsya Anusandhan avum Vikash.			
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e) Conference Publications/Proceedings (start from recent publications)(**add row if required**)

Authors name	Title of the paper	Conference name	Year
Sharma, A.P., H.C.S.Bisht and R.S.Chauhan	Epizootic ulcerative syndrome fish disease in tarai regioin of Utter Pradesh. Nat. Symp. on Faunastic Biodiversity	Environmental Monitoring and Biotechnology, Haridwar. 6-9 Feb.	1998
Chandrasekharan, V.S., H.C.S.Bisht and A.P.Sharma.	pesticide toxicity to the freshwater prawn <i>Macrobrachium lamarrei</i> .	Nat. Seminar on Aquaculture in changing Env. Perspectives. Thiruvananthpuram. 17-19 December	1998.
Bisht, H.C.S., A.P. Sharma and U.P.Singh.	Influence of the injection of brain, thoracic ganglion and eye stalk extract in relation to gonadal development of <i>Macrobrachium assamensis peninsularis</i> from Kumaon region of Utter Pradesh.	Nat. Workshop as Recent Advance in Hormonal Physiology of Fish and Shell Fish Reproduction. CIFA, Bhubaneshwar. 16-18 April, p. 62.	1998
Bisht, H.C.S., S.Kumar and A.P. Sharma.. Nat. Workshop as	Stimulation of spermatogenesis and oogenesis in the freshwater prawn of <i>Macrobrachium assamensis peninsularis</i> by using human sex steroids.	Recent Advances in Hormonal Physiology of Fish and Shell Fish Reproduction. CIFA, Bhubaneshwar. 16-18 April, p. 63.(OP).	1998
Bisht, H.C.S., V.S.Chandrasekaran and U.P.Singh.	Acute toxicity of pesticide endosulfan to the youngones of the fish <i>Channa gachua</i> (Ham.)	Nat. Symp. On Combating Pollutant Accumulation in Ecosystem for Sustainable Agriculture Allahabad. 27-28	1998

		October, p.18.3.06.	
Singh, U.P., H.C.S.Bisht.	Influence of environmental factors on sexual development and larval development (production) of Indian Major Carps in tarai region.	Nat. Symp. On trends in Research on Hormones, Reproduction and Animal Productivity. University of Delhi. 10-12 October.	1998
Singh, U.P. and H.C.S. Bisht.	Effect of population density on survival rate of fish seed during transportation.	Nat. Seminar on Development and transfer of Fishes Technology. Tuticorin. 6-8 January	1998
Singh, U.P., R.S.Chauhan, H.C.S. Bisht and V.K.Singh..	Comparative studies on performance of pituitary gland extract, ovaprim and ovatide in spawning, survival and growth of Indian Major Carps. Workshop on the use of Gonadal Hormones in the manipulation of Sex and Growth in Fishes.	College of Fishery and Research Institute, Bangalore. 18-19 January.	1999
Kumar, S. and H.C.S.Bisht.	रवतिया सैत्रा माँ नील कुराँती द्वारा अर्थिक व सँमाजिक विकास की अपार सँभवावानी.	Workshop. National Institute of Research on Coldwater Fisheries (ICAR), Bhimtal, Nainital. 7 th September. (OP). Award – Best paper presentation.	2000
Bisht, H.C.S., M.Bisht and S. Kumar.	Naini jheel main abhyagat ellibhoji matsys prajati <i>Gambusia affinish</i> mai Epizootic Ulcerative Syndrome ka sankraman.	Hindi Workshop. National Institute of Research on Coldwater Fisheries (ICAR), Bhimtal, Nainital. 7 th September.	2000
Bisht, H.C.S. and S. Kumar. p.20.	Fishery prospects of the coldwater prawn of Kumaon Himalaya, Uttarakhand.	Nat. Symp. On Fish Health Management and Sustainable Aquaculture. College of Fisheries Sciences, G.B. Pant University of Agriculture and Technology,	2000

		Pantnagar. 1 st and 2 nd November.	
Chandrasekaran, V.S., H.C.S. Bisht and A.P.Sharma.	Effect of Feeding frequency on the survival and growth of the larvae of the fish <i>Labeo rohita</i> (Ham.) in captivity.	Symposium on Sustainable Development and Conservations of Cold water Fish Genetic Resources. Department of Fisheries, College of Veterinary and Animal Sciences, K.P.K.V. Palampur. 7 th and 8 th June. p.19.	2000
Bisht, H.C.S. and S. Kumar.	Possibility of Induced breeding and culture of two cold water prawn species of Kumaon Himalaya, Utter Pradesh.	First Nat. Conference on Fisheries Biotechnology. Central Institute of Fisheries Education, Varsova, 4 th and 5 th March. p.12.	2000
Bisht, H.C.S. and S. Kumar	Ambient temperature, dissolve oxygen and pH as the limiting factors in the culture of a coldwater prawn.	Workshop on Development of Research Strategy for Aquafarming in Uttaranchal, Research Management SAU (UTDASP) and College of Fishery Sciences, G.B. Pant University of Agriculture and Technology, Pantnagar. 22 April. pp.45. (OP).	2002
Bisht, H.C.S. and S. Kumar	Complete larval development of the coldwater prawn of Kumaon Himalayas (<i>Macrobrachium assamensis peninsularis</i>) (Decapoda, Palaemonidae) reared in laboratory.	National Seminar organized by National Institute of Research on Cold Water Fisheries, Bhimtal, Nainital. 15 th Oct., 2003. (OP).	2003
Bisht, H.C.S., S. Kumar Renu Bisht and M.L. Bisht	Observations on the breeding dyanamics of coldwater prawn <i>Macrobrachium assamensis peninsularis</i> (Tiwari)	Department of Zoology and Environmental Sciences, Gurukul Kangri University, Hardwar. March 17-18 th .	2006

	from Kumaon Himalaya, Uttaranchal. National Seminar on Bio-diversity of Himalayan States: with special reference to Uttaranchal,		
Renu Bisht and H.C.S. Bisht.	Participated in the National Seminar on Biotechnology Innovation Systems of India : Policy measures and support Mechanisms.	Sponsored by Department of Biotechnology (DBT), Govt of India and United Nations Asian and Pacific Centre for Transfer of Technology (APCTT), organized by Department of Biotechnology, Kumaon University, Nainital from 6 th -7 th October.	2006
Bisht, H.C.S., S. Kumar Renu Bisht and M.L. Bisht	Freshwater prawn, <i>Macrobrachium</i> species diversity in Kumaon hills and tarai region of Uttaranchal. National Seminar on Bio-diversity of Himalayan States: with special reference to Uttaranchal,	Department of Zoology and Environmental Sciences, Gurukul Kangri University, Hardwar. March 17-18 th	2006
Bisht, H.C.S., R. Bisht and S. Kumar.	Studies on the food and feeding habits of freshwater prawn, <i>Macrobrachium assamensis peninsularis</i> (Tiwari), (Crustacea, Decapoda, Palaemonidae) from Kumaon Himalaya, Uttaranchal.	A National Conference on “Innovative Techniques and Remedies in Fishery Science” Maharashtra Animal and Fishery Sciences University, Department of Fisheries, Govt. of Maharashtra and Department of Zoology, RTM, Nagpur University, Nagpur. January 16-17 th .	2006
Bisht, H.C.S., S. Kumar Renu Bisht and M.L. Bisht	Experimental studies on the effect of three diets on growth and food conversion	21 st National Symposium on Recent Advances in Life Sciences and Environmental	2006

	efficiency of the coldwater prawn, <i>Macrobrachium assamensis peninsularis</i> (Tiwari), from Kumaon Himalaya, Uttaranchal.)	conservation in Welfare of Human Society. P.G. Department of Zoology, Kurukshetra University, Kurukshetra. Haryana. February 3 rd , 4 th & 5 th .pp 16-17 th . (OP	
H.C.S. Bisht and Renu Bisht	Biodiversity of freshwater prawn from Kumaon region of Himalaya, Uttarakhand. UGC-SAP Sponsored National Seminar on Bio-Diversity of Himalayan states : with special reference to Uttarakhand	Guruku; kangri Vishwavidhyalaya, haridwar, Department of Zoology and Environment Sciences, 18 th -19 th March.	2007
Renu Bisht and H.C.S. Bisht	Freshwater prawn culture and conservation in Kumaon Himalaya. National Seminar on Natural resource conservation in Uttarakhand : status, challenges and solutions.	Sponsored by UCOST and sponsored by UGC – aSC, Kumaon University, Nainital on 10-11 October	2008
Shyam Singh Kunjwal, N.N.Pandey, H.C.S. Bisht, Somya and R. Bisht	Fishery prospects of cold water snow trout (<i>Schizothorax richardsonii</i>) in Kumaon hills.	National Seminar on “Response of eco-biological components to the phenomenon of global warming (NSREG - 2009)”. Dept. of Zoology, D.S.B. Campus, Nainital. September, 26-27 th , 2009. pp.45.(OP).	2009
R.S. Haldar, H.C.S. Bisht and N.N. Pandey	Physico-chemical assessment of Kosi river water in Kumaon Himalaya.	National Seminar on “Response of eco-biological components to the phenomenon of global warming (NSREG - 2009)”. Dept. of Zoology, D.S.B. Campus, Nainital. September, 26-27 th , 2009.	2009

		pp.54. (OP).	
Mamta Joshi, N.N.Pandey, Renu Bisht and H.C.S. Bisht	Study for cost effective, nutritionally balanced formulated diet for culture of <i>Macrobrachium assamensis peninsularis</i> .	National Seminar on “Response of eco-biological components to the phenomenon of global warming (NSREG - 2009)”. Dept. of Zoology, D.S.B. Campus, Nainital. September, 26-27 th , 2009. pp.93.(OP).	2009
Mamta Joshi, N.N.Pandey, Renu Bisht and H.C.S. Bisht.	Analysis for proximate composition of body flesh for evaluating the dietary nutritional requirement of <i>Macrobrachium assamensis peninsularis</i> .	National Seminar on “Response of eco-biological components to the phenomenon of global warming (NSREG - 2009)”. Dept. of Zoology, D.S.B. Campus, Nainital. September, 26-27 th , 2009. pp.94.(OP).	2009
Mamta Joshi, N.N.Pandey, Renu Bisht and H.C.S. Bisht	Growth evaluation of <i>Macrobrachium assamensis peninsularis</i> in captive conditions.	National Seminar on “Response of eco-biological components to the phenomenon of global warming (NSREG - 2009)”. Dept. of Zoology, D.S.B. Campus, Nainital. September, 26-27 th , 2009. pp.94.(OP).	2009
U.P. Singh, Mamta Joshi, N.N.Pandey, Renu Bisht and H.C.S. Bisht	Participatory role of local fisherman in fish conservation by adopting integrated fish farming.	National Seminar on “Response of eco-biological components to the phenomenon of global warming (NSREG - 2009)”. Dept. of Zoology, D.S.B. Campus, Nainital. September, 26-27 th , 2009. pp.94.(OP).	2009
U.P. Singh, Mamta Joshi, N.N.Pandey, Renu Bisht and H.C.S. Bisht	Aquaculture practice in mid altitude region of Uttarakhand.	National Seminar on “Response of eco-biological components to the phenomenon of global warming (NSREG - 2009)”. Dept. of Zoology, D.S.B. Campus, Nainital. September, 26-27 th , 2009. pp.95.(OP).	2009.

S. Kunjwal, Mamta Joshi, N.N.Pandey, Renu Bisht and H.C.S. Bisht	Periphyton based culture of Asela snow trout, <i>Schizothorax richardsonii</i> in raceways.	National Seminar on “Response of eco-biological components to the phenomenon of global warming (NSREG - 2009)”. Dept. of Zoology, D.S.B. Campus, Nainital. September, 26-27 th , 2009. pp.95.(OP).	2009
Gunjan Mungali, Mamta Joshi, N.N.Pandey, Renu Bisht and H.C.S. Bisht	Study of bacterial flora associated with snow trout, <i>Schizothorax richardsonii</i> (Gray) and its environment	National Seminar on “Response of eco-biological components to the phenomenon of global warming (NSREG - 2009)”. Dept. of Zoology, D.S.B. Campus, Nainital. September, 26-27 th , 2009. pp.95.(OP).	2009
Somya Srivastava, Mamta, S.S. Kunjwal, H.C.S. Bisht and R. Bisht	Observation on the food and feeding habits of freshwater prawn <i>Macrobrachium lamarrei lamarrei</i> (H. Milne Edward) from foothills of Kumaon tarai region of Uttarakhand.	National Seminar on “Response of eco-biological components to the phenomenon of global warming (NSREG - 2009)”. Dept. of Zoology, D.S.B. Campus, Nainital. September, 26-27 th , 2009. pp.95.(OP).	2009
Shyam S. Kunjwal , N.N.Pandey, H.C.S.Bisht and Somya Srivastava	Production of periphyton in snow trout (<i>Schizothorax richardsonii</i>) culture pond at Nainital (Uttarakhand).	Gurukul Kangri Vishwavidyalaya, Haridwar. 21.10.2010 to 23.10.2010	2010

Projects

Title of the project	Funding agency	Amount (Rs)	Year
Bionomics and culture prospects of the <i>Microbrachium assamensis peninsularis</i> sp.	Uttarakhand State Council for Science & Technology	3.0 Lakh	2014

Of Kumaon Region of Uttarakhand including transplantation trails for better yield.			
Development of Biomarkers to examine the coldwater fish health and their environment developed by biofloc fish Techniques in Nainital District of Uttarakhand	KUIFS, Kumaun University	2Lakh	2024
“Multidimensional Assessment of Ecological Dynamics and Ecosystem Health of Selected High-Altitude Wetlands of Indian Himalayan Region (IHR) for Effective Conservation and Management planning”-	NMHS Grants	27,23,400	2024

Teaching details

Name of the course/paper	Department	University	Year
B.Sc. 1 st - Paper II Theory and Practical	Zoology	Kumaon University, Nainital	1999 onwards
B.Sc. 2 nd - Paper I Theory and Practical			

<p>B.Sc. 3rd - Paper I Theory and Practical</p> <p>M.Sc. IIIrd Semester – Paper I General and Practical</p> <p>M.Sc. IVth Semester – Paper – Ia & IIa Applied and General Ichthyology and practical.</p> <p>Vocational Course of NCC</p> <p>Extra classes of NCC – 160 period compulsory in ever session</p> <p>Excursion Programme escorted M.Sc. students (2004-2012).</p> <p>Guest Lecture delivered - 04 (University affiliated Govt. Colleges)</p>			<p>2023 onward</p>
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1. Orientation Programme : U.G.C., ASC, Lucknow University,
Lucknow. From 03 Jan. 2002 to 31. Jan. 2002.
2. Pre-commissioned SD Course at Officer Training Academy, Nagpur. (26 July
2002- 26 October 2002) Result -β Grade
2. Summer School on biodiversity and conservation of fish fauna of
Estuarine ecosystem. Central Inland Fisheries Research Institute,
Baraackpore, Kolkata (July 21, 2005 to August 10, 2005).
3. R. /S.D./ PART – I /83, Refresher Course for Captain- from 10

October, 2005 to 08 November, 2005, Result – α^+ Grade

4. Short term training programme in Immunobiology and animal Cell Culture Technology. G.B.Pant University of Agriculture and Technology, Pantnagar, January 22 -28, 2007.
5. Winter School on Integrated Pest Management in Wheat based Cropping System. DWR. Karnal (ICAR) Feb. 5 – 25, 2008.
6. UGC Sponsored Refresher Course in the subject Environmental Studies (I.D.) UGC – Academic Staff College, University of Allahabad, from January 10, 2009 to January 30, 2009.
Grade - A

Professional Memberships

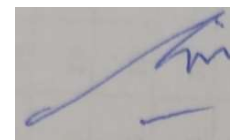
Organization	Position	Year
1. Journal of Environment and Bioscience	Life Member	2003
2. Journal of Inland Fishery Society of India	Life Member	2010
3. CHEA	Life Member	2000

Honours and Awards

Award	Awarding Organization	Year
First Prize for best research paper presentation	By: National Research Center On Coldwater Fisheries (DCFRI) (ICAR) Bhimtal, Nainital.	2000
Best ANO Award of Directorate	NCC, Uttarakhand Directorate	2017
Acharya Narendra Dev Award	Acharya Narendra Dev Siksha Nidhi, Nainital	2023

Conference Presentations

Title of presentation	Conference name	Name of the institution	Year
Biodiversity of fresh water prawn from Kumaon Tarai region of Uttarakhand	International conference on recent trends in climate change researches vis&vis biodiversity under the "Centre of Excellence" Govt of U.P. in collaboration with The Indian Academy of Environmental Sciences.	MJP ROHILKHAND University, Bareilly 3-4 December	2012
Chaired session	Mountain fisheries challenges and opportunities for livelihood security.	Directorate of Coldwater fisheries Research (ICAR) Bhimtal, Nainital, Uttarakhand. 5-6 Nov. 2012.	2012
Co-ordinator	Future India: Science and Technology. College of Basic Sciences and Humanities,	G.B. Pant University of Agriculture and technology, Pantnagar, Udham Singh Nagar, Uttarakhand, India 13-14 October 2018.	2018
Chairperson	Current approaches in agricultural, biological and applied sciences for sustainable development	Kumaon University	2024



Signature of the faculty member