

## Curriculum Vitae of Dr. Anita Bhatnagar

**Objective : To learn more and more and to utilize the knowledge and skills acquired for the progress and betterment of institution and surrounding world**

<b>Name</b>	<b>Anita Bhatnagar</b>				
<b>Designation</b>	Professor				
<b>Educational Qualifications</b>	M.Sc. in Zoology, Bhopal University, Bhopal Ph.D. in Zoology, Bhopal University				
Topic of Ph.D Thesis : ' <b>Biology of certain polluted waters with special reference to zooplankton and fishes'</b>					
<b>Field of specialization</b>	Fish, Fisheries, Aquaculture, Water Quality				
<b>Contact Information</b>	<b>Mobile No.</b>	9896634580			
	<b>Email:</b>	<a href="mailto:anitabhatnagar@gmail.com">anitabhatnagar@gmail.com</a> <a href="mailto:abhatnagar@kuk.ac.in">abhatnagar@kuk.ac.in</a>			
<b>Total Teaching/Research experience in years</b>		Undergraduate Classes	Post Graduate Classes	Research	
		07 years	27 years (Since 2006 in KUK)	32 year (Excluding Ph.D Period)	
<b>Research projects &amp; Mobilization of External Funding</b>		Completed Since June 2006	Total 05 02 (One of UGC and one of Department of Fisheries, Govt. of Haryana) 01 (SAP UGC- was coordinator for SAP UGC))		
<b>Institutions/organizations served ( in chronological order):</b>					
Sr. No.	Name of Institution	Designation	From	to	Work done
1.	Kurukshetra University, Kurukshetra	Professor	June 20, 2021	To-date	Teaching (M.Sc. Ph.D), Research and assigned administrative and other responsibilities
2.	Kurukshetra University, Kurukshetra	Associate Professor	June 20, 2018	June 19, 2021	Teaching (M.Sc. Ph.D), Research and assigned administrative and other responsibilities
3.	Kurukshetra University, Kurukshetra	Assistant Professor	June 20, 2006	June 19 2018,	Teaching (M.Sc. MPhil and Ph.D), Research and assigned other responsibilities
4.	D.N. College Hisar	Lecturer	Aug. 2004	February 2006	Taught Zoology to B.Sc. Classes
5.	Department of Zoology and Aquaculture, CCS Haryana Agricultural University, Hisar	Scientist* (Project Investigator)	June 01, 2001	May 31, 2004	Teaching and Research (Taught to M.Sc. Fisheries and M.Sc. Zoology)
6.	Department of Zoology & Aqua culture, CCS HAU Hisar	SRF (ICAR)	May, 1999	May 31, 2001	Teaching and Research (Taught to M.Sc. Fisheries and M.Sc. Zoology)
7.	Department of Zoology & Aqua culture, CCS HAU Hisar	<b>Pool Officer**</b> (CSIR)	May, 1996	May 1999	Teaching and Research (Taught to M.Sc. Fisheries and M.Sc.

					Zoology)
8.	Department of Zoology & Aqua culture, CCS HAU Hisar	Research Associate** (CSIR)	Feb. 1993	April 1996	Teaching and Research (Taught to M.Sc. Fisheries and M.Sc. Zoology)
9.	Regional College of Education Bhopal	Lecturer in Zoology	January 1990	February 1992	Taught Zoology to B.Sc. B.Ed
<b>*Research project sanctioned by Ministry of Science and Technology, Govt. of India, New Delhi under SERC Fast Track Proposal</b>					
<b>** Research projects sanctioned by CSIR, New Delhi</b>					

I. Research Publications : 168 (ORCID [0000-0002-0159-4096](https://orcid.org/0000-0002-0159-4096))

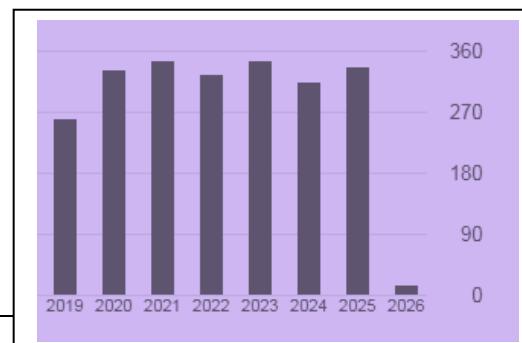
		Over all	Since 2020
A.	Research papers published in International Peer reviewed refereed Journals	123	34
B.	Papers published in Conference proceedings	20	-
C.	Chapters in Books	12	03
D.	Book Authored (Published by National Publisher)	01	-
E.	Proceedings of Seminar Edited (Published by National Publisher)	01	-
F.	Manual as co-ordinator	01	-
G.	Paper published as popular Articles in Journal /Magazines	10	-
<b>TOTAL</b>		<b>168</b>	<b>37</b>
<b>Highest impact factor</b>		9.0 (Cite Score 20.7)	5.0

**Citation Details as per Google Scholar (22.08.2025)**

**Link to Google Scholar:**

<https://scholar.google.com/citations?user=m6YhKKgAAAA>

S.No	Citations	Total
1.	Citations	3763
2.	h-index	26
3.	i-10 index	60



**Contribution to Human Resource Development**

**RESEARCH**

Guided the research work of M.Phil Students 06

**Guided the research work of Ph.D Students**

i)	Number of students who have completed Ph.D	17+1=18	<b>Total</b> <b>20</b>
ii)	Number of students registered for Ph.D	02	

Seminar/ Conferences/Workshop/Refresher Courses Organised (Since June 2006)	20			
Seminar/ Conferences attended (Since June 2006):	66			
Extension Activities	Training and talks delivered to fish farmers, especially when organized by Fisheries Department Govt. of Haryana			
Total extension talks delivered (Since June 2006)	25			
Talks delivered as resource person (Since June 2006)	33			
Administrative and Other Responsblities	S.N o	Name of Responsibility	from	To
	1.	Chairperson, Department of Zoology	November 2024	Till date
	2.	Chairperson, Department of Zoology	November 2018	November 2021
	3.	UGC, Coordinator, KUK	July 2024	Till date
	4.	Coordinator WIS (Women in Stem Forum)	March 2024	Till date
	5.	Convener, Goyal Prizes Organising committee	October 2024	Till date
	6.	Member, Internal Complaints Committee Against Sexual Harreßment at work Place	August 2024	August 2025
	7.	Chairperson, Institutional Animal Ethical Committee KUK	2023	Till Date
	8.	Member, Institutional Animal Ethical Committee KUK	2020	2023
	9.	Member Secretary, Institutional Human Ethical Committee KUK	2022	2024
	10.	Convener, ECO Club, KUK	2024-2025	
	11.	President, Zoological Association	2006	2009
			2017	2019
			2024	Till date
	12.	Member Court	2016	2018
	13.	Member Academic council KU, Kurukshetra	2018	2024
			2024	TILL DATE
	14.	Member IQAC Environmental committee Kurukshetra University)	2013	2017
	15.	Member, Centre for Applied Biology in Environmental Sciences under RUSA 2.0	2020	Till date
Co- curricular Activities	<ul style="list-style-type: none"> <li>Radio talks</li> <li>Zoological Association Activities</li> <li>Organisation of wild life week</li> <li>Educational tours/trips and Plantation drive</li> <li>Member of Jury in several contests like Declamation contest, essay writing, Best out of the waste,Poster making in Different Departments and in State</li> </ul>			

	<p>science Exhibition</p> <ul style="list-style-type: none"> <li>• Member Jury, Rostrum, Department Level (Round 1)</li> <li>• Member Jury Rostrum II Round</li> </ul>
<b>Memberships</b>	<ul style="list-style-type: none"> <li>• Member UG and PG Board of studies in Zoology in Kurukshetra University (Time to time)</li> <li>• Member UG and PG Board of studies in Zoology in other Universities of Haryana and Punjab</li> <li>• Member Adnoc committee of studies in Forensic Science and Anthropology</li> <li>• Member Aquatic Genetic Resources, NBFGR, Lucknow</li> <li>• On Editorial Board of Applied and Natural Science Foundation, Haridwar,</li> <li>• Remained member selection committee as subject expert and/or women representative during interviews</li> <li>• Life Member Indian Science Congress Association</li> <li>• Member Aquatic Biodiversity Conservation Society</li> <li>• Member Society for Natural and Applied Sciences</li> </ul>
<b>Awards</b>	<p><b>Many Awards for best paper presentations including:</b></p> <ul style="list-style-type: none"> <li>• ISCA National Young Scientist Award (Indian Science Congress Association, India)</li> <li>• M.P. Young Scientist Award(M.P. Council of Science and Technology, Bhopal)</li> <li>• Prof. Narayan Singh Award (Jiwaji University, Gwalior)</li> <li>• Best Paper Award in National Seminar on Sustainable Aquaculture, University of Delhi, Delhi</li> <li>• Appreciation Award during 30<sup>th</sup> All India Congress of Zoology and National Seminar on 'Advances in Zoology for Sustainable Development'-2018</li> <li>• KUK Applause Appreciation Award,</li> <li>• Highest Citation Award, WIS Forum, KUK in 2024</li> <li>• Lifetime Achievement Award KUK</li> </ul>
<b>Research Summary</b>	<p>For more than 25 years, I have been actively engaged in research on diverse aspects of sustainable aquaculture, with a strong focus on ensuring environmental safety and ecological security within aquaculture systems. My work has involved systematic and long-term studies aimed at promoting the rational and judicious use of inputs, particularly through the optimization of fertilizer dosages and application frequencies in aquaculture ponds, thereby minimizing environmental stress and resource wastage.</p> <p>To further address issues of pollution and sustainability, research conducted in our laboratory has strongly advocated the use of biofertilizers as eco-friendly alternatives to costly inorganic fertilizers. This approach not only reduces chemical load in aquatic ecosystems but also supports the broader goal of organic and environmentally responsible aquaculture practices, which are increasingly recognized as essential for reducing overdependence on chemical fertilizers.</p> <p>In addition, our investigations into nutritional physiology have led to the development of <b>cost-effective</b> and nutritionally balanced feed formulations using locally available ingredients. These feeds are characterized by high digestibility and are supplemented with probiotics, resulting in a significant reduction in the release of metabolic wastes, particularly nitrogen and phosphorus, into the culture system.</p> <p>Collectively, these research outcomes contribute meaningfully to improving the sustainability, productivity, and environmental compatibility of aquaculture practices and hold considerable promise for enhancing nutritional and food security for the growing population.</p>

**Annexure I**  
**LIST OF PUBLICATIONS**

**A. PAPERS PUBLISHED IN PEER REVIEWED/ REFERRED SCIENTIFIC/PROFESSIONAL JOURNALS**

<b>S. N o</b>	<b>Papers</b>	<b>Impact factor/ISSN National or International</b>
1.	<b>Bhatnagar, Anita</b> and Mann, Deepika. 2025. The Synergic Effect of Gut-Derived Probiotic <i>Bacillus cereus</i> SL1 And <i>Ocimum sanctum</i> on Growth, Intestinal Histopathology, Innate Immunity, and Expression of Enzymatic Antioxidant Genes in Fish, <i>Cirrhinus mrigala</i> (Hamilton, 1822). <i>Probiotics &amp; Antimicrobial Proteins</i> . 17, 271-291 <a href="https://doi.org/10.1007/s12602-023-10143-w">https://doi.org/10.1007/s12602-023-10143-w</a> .	<b>International</b> <b>ISSN:1867-1306</b> <b>Impact factor 4.4</b> <b>H index 63</b>  <b>SCOPUS INDEXED</b>
2.	<b>Bhatnagar, Anita</b> and Thakral, Nisha. 2024. Assessment of Groundwater Quality for Drinking and Irrigation Purposes Using Hydro-Chemical and Water Quality Index Studies in Kurukshetra (Haryana), India. <i>Water Air Soil Pollut.</i> 235:351 <a href="https://doi.org/10.1007/s11270-024-07143-z">https://doi.org/10.1007/s11270-024-07143-z</a>	<b>International</b> <b>ISSN e 1573-2932</b> <b>ISSN p 0049-6979</b> <b>IF: 3.0, H index 133</b> <b>SCOPUS INDEXED</b>
3.	Kalra, Sapna, <b>Bhatnagar,Anita</b> and Thakral Nisha 2024. <i>Bacillus aryabhattai</i> : A Multi Metal Resistant Sewage Water Bacteria and Bioremediatory Tool for Sewage Water Pollutants. <i>Egyptian Journal of Aquatic Biology &amp; Fisheries</i> . Vol. 28(3): 329 – 340. <a href="https://ejabf.journals.ekb.eg/article_355943_d01419c0f00486b9660f32f98cbe3ac7.pdf">https://ejabf.journals.ekb.eg/article_355943_d01419c0f00486b9660f32f98cbe3ac7.pdf</a>	<b>International</b> <b>P-1110-6131</b> <b>online:2536-9814</b> <b>IF : 0.91,H Index 22</b> <b>SCOPUS INDEXED</b>
4.	Kalra, Sapna and <b>Bhatnagar,Anita</b> . 2024. Biodegradation of Pollutant-Rich Sewage Water Employing Indigenous Bacteria in Pure and Mixed Culture Approach, <i>The Annals of Oradea University, Biology Fascicle ("Analele Universității Din Oradea, Fascicula De Biologie.Tom XXXI (1):24-32.</i> <a href="https://www.bioresearch.ro/2024-1/024-032-AUOFB.31.1.2024-KALRA.S.-Biodegradation.of.pollutant-rich.pdf">https://www.bioresearch.ro/2024-1/024-032-AUOFB.31.1.2024-KALRA.S.-Biodegradation.of.pollutant-rich.pdf</a>	<b>International</b> <b>Print-ISSN: 1224-5119</b> <b>CD-ISSN: 1842-6433</b> <b>e-ISSN: 1844-7589</b> <b>IF 0.37; H Index 04</b> <b>SCOPUS INDEXED</b>
5.	Devi, Pooja and <b>Bhatnagar, Anita</b> . 2024. Comparative analysis of phytoplankton dynamics and water quality assessment in selected lentic water bodies of Haryana, India. <b>Environment Conservation Journal 25 (1):62-73, 2024. DOI</b> <a href="https://doi.org/10.36953/ECJ.24582661">https://doi.org/10.36953/ECJ.24582661</a>	<b>International</b> <b>ISSN 0972-3099(P) 2278-5124</b> <b>NAAS Rating 5.66</b> <b>SCOPUS INDEXED</b>
6.	Saluja Sonal and <b>Bhatnagar, Anita</b> . 2024 Dietary administration of probiotic <i>Bacillus coagulans</i> and <i>Mentha piperita</i> can protect histological architecture and DNA damage in <i>Catla catla</i> . <i>Aquaculture and Fisheries</i> 9(6):948-956 <a href="https://doi.org/10.1016/j.aaf.2023.02.002">https://doi.org/10.1016/j.aaf.2023.02.002</a>	<b>International</b> <b>ISSN 2468-550X,Cite Score 8.5</b> <b>Impact Score 4.21, H index 35</b> <b>SCOPUS INDEXED</b>
7.	<b>Bhatnagar, Anita</b> and Mann, Deepika. 2023. Holy Basil: A Potent Growth and Immunity Promoting Herb For Sustainable Culture of <i>Cirrhinus mrigala</i> (HAMILTON, 1822). <i>Egyptian Journal of Aquatic Biology &amp; Fisheries</i> , Vol. 27(5): 1011 – 1028. DOI: <a href="https://doi.org/10.21608/EJABF.2023.323626">10.21608/EJABF.2023.323626</a>	<b>International</b> <b>P-1110-6131</b> <b>online:2536-9814</b> <b>IF : 0.91,H Index 22</b> <b>SCOPUS INDEXED</b>
8.	<b>Bhatnagar, Anita</b> and Thakral Nisha. 2023. Evaluation of surface water quality using hydro-chemical, bacteriological characters and water quality	<b>International</b> <b>E- ISSN:2363-5045</b>

	index: a case study on sacred ponds of Kurukshetra, Haryana, India. Sustainable Water Resources Management. 9(5), Article 159. DOI <a href="https://doi.org/10.1007/s40899-023-00939-7">https://doi.org/10.1007/s40899-023-00939-7</a>	P ISSN:2363-5037 Impact factor <b>2.1</b> <b>H index 27</b> <b>SCOPUS INDEXED</b>
9.	<b>Bhatnagar, Anita</b> and Budhalia, Kirti. 2023. Fish epidermal mucus analytes with reference to physiological threats: non-intrusive approach to evaluate health status of carp fishes.. International Aquatic research. <a href="https://doi.org/10.22034/IAR.2023.1983914.1426">15:205-218 DOI: 10.22034/IAR.2023.1983914.1426</a>	<b>International</b> ISSN: 2008-4935 (Print) 2008-6970 (Online) <b>IF 1.4,</b> H index 24 <b>SCOPUS INDEXED</b>
10.	<b>Bhatnagar, Anita</b> and Rathi Pragati.2023. Isolation and characterization of autochthonous probiotics from skin mucus and their in vivo validation with dietary probiotic bacteria on growth performance and immunity of <i>Labeo calbasu</i> (Hamilton, 1822). <i>Fish Physiol Biochem</i> . 49(2):191-208. <a href="https://doi.org/10.1007/s10695-022-01168-z">doi: 10.1007/s10695-022-01168-z</a>	International <b>Electronic</b> ISSN 1573-5168 <b>Print</b> ISSN0920-1742 <b>IF: 3.08 , H index 89</b> <b>SCOPUS INDEXED</b>
11.	Kumar, D, <b>Bhatnagar, A</b> and Chopra, G. 2022. Fish Diversity of Holy Kali Bein Rivulet- A Tributary of the River Beas in Punjab, India. Journal of Aquatic Biology & Fisheries,10(1):109-117. <a href="http://www.jabf.in/articles/Vol10/1/15-Kumar-etal.pdf">http://www.jabf.in/articles/Vol10/1/15-Kumar-etal.pdf</a>	International ISSN 2321-340X <b>UGC CARE LIST</b>
12.	Kaur, M., <b>Bhatnagar, A.</b> , Dhillon.O and Yadav, A.S. 2022. Genotoxic effects of Rice agrochemicals on <i>Channa punctatus</i> (Bloch) and <i>Cyprinus carpio</i> (Linnaeus) using micronuclei assay and Alkaline single cell gel electrophoresis. Nature Environment and Pollution Technology 21(4):1807-1815. <a href="https://doi.org/10.46488/NEPT.2022.v21i04.035">https://doi.org/10.46488/NEPT.2022.v21i04.035</a>	International ISSN:0972-6268 Scopus cite Score; 1.5 <b>SCOPUS INDEXED</b>
13.	<b>Bhatnagar, Anita</b> , Kumari Sunil and Tyor Anil Kumar. 2023. Assessment of bactericidal role of epidermal mucus of <i>Heteropneustes fossilis</i> and <i>Clarias batrachus</i> (Asian cat fishes) against pathogenic microbial strains. <i>Aquaculture and Fisheries</i> , 8: 50-58. <a href="https://doi.org/10.1016/j.aaf.2021.08.010">https://doi.org/10.1016/j.aaf.2021.08.010</a> (Published online in 2021)	International ISSN 2468-550X <b>Cite Score 8.5</b> <b>Impact Score 4.21,</b> <b>H index 25</b> <b>SCOPUS INDEXED</b>
14.	<b>Bhatnagar, Anita</b> and Budhalia, Kirti. 2022. Biochemical Components, Immune Characteristics and Antimicrobial Activity of Epidermal Mucus of the Three Indian Major Carp Species. Egyptian Journal of Aquatic Biology & Fisheries, 26(4): 1273-1288. <b>DOI: 10.21608/EJABF.2022.256741</b>	International P-1110-6131 online:2536-9814 <b>IF : 0.74,H Index 12</b> <b>SCOPUS INDEXED</b>
15.	Bhatnagar, Anita and Kalra, Sapna. 2022. <b>Autochthonous antimicrobial microorganisms: application in wastewater treatment.</b> Journal of Applied and Natural Science, 14(2): 160-176. <a href="https://doi.org/10.31018/jans.v14i2.3462">https://doi.org/10.31018/jans.v14i2.3462</a>	International Print ISSN: 0974-9411 Online ISSN: 2231-5209 CiteScore 1.2, SNIP 0.119, SJR 0.126,H index 4 <b>Impact score 0.83</b> <b>SCOPUS INDEXED</b>
16.	Pooja Devi, <b>Bhatnagar, Anita</b> . 2021. Zooplankton Diversity in Eight Lentic Water Bodies of Haryana, India : A Multilocation Study. Environment and Ecology 39 (4) : 828—836.	International ISSN 0970-0420 <b>WEB OF SCIENCE</b>
17.	Gajender Singh, Tejpal Dahiya, Ravikant , <b>Bhatnagar, Anita</b> and Sridevi	International

	Tallapragada 2021. Physicochemical characteristics and fish food organisms in the pond ecosystem - A review.SKUAST Journal of Research 23(2): 116-126	ISSN 0972-1126(P) 2349-297X (E) NAAS Rating 4.17
18.	<b>Bhatnagar, A.</b> , Saluja, S. 2021. Role of <i>Zingiber officinale</i> and autochthonous probiotic <i>Bacillus coagulans</i> in feeds of <i>Catla catla</i> (Hamilton, 1822) for growth promotion, immunostimulation, histoprotection, and control of DNA damage. <i>Fish Physiology and Biochemistry</i> ) 47:2081–2100 <a href="https://doi.org/10.1007/s10695-021-01030-8">https://doi.org/10.1007/s10695-021-01030-8</a>	International <b>Electronic</b> <b>ISSN</b> 1573-5168 <b>Print</b> <b>ISSN</b> 0920-1742 <b>IF: 3.08 , H index 89</b> <b>SCOPUS INDEXED</b>
19.	<b>Bhatnagar, Anita</b> and Rathi, Pragati. 2021. Fish Skin Mucus as Putative Bioresource for the generation of New Generation Antibiotics. Egyptian Journal of Aquatic Biology & Fisheries, 25(5): 1063-1091.	International P-1110-6131 online:2536-9814 <b>IF : 0.74,H Index 12</b> <b>SCOPUS INDEXED</b>
20.	Dhillon, O., <b>Bhatnagar, A.</b> 2021. An Economic and Eco-friendly Approach Towards Developing a Sustainable Growth Promoting Aquafeed for <i>Labeo calbasu</i> (Hamilton 1822). Proceedings of the Zoological Society, 74(2), 155-162 <a href="https://doi.org/10.1007/s12595-020-00358-y">https://doi.org/10.1007/s12595-020-00358-y</a>	International Electronic <b>ISSN</b> 0974-6919 Print <b>ISSN</b> 0373-5893 <b>IF 0.71, H index 12</b> <b>SCOPUS INDEXED</b>
21.	<b>Bhatnagar, Anita</b> , Kaur, Manjeet, Dhillon, Oshin and Yadav, Abhay Singh. 2021. Paddy cum fish culture: Growth performance of <i>Channa punctatus</i> , paddy yield and economics. <i>Journal of Applied and Natural Science</i> 13(1):145-156. <a href="https://doi.org/10.31018/jans.v13i1.2462">https://doi.org/10.31018/jans.v13i1.2462</a>	International Print <b>ISSN:</b> 0974-9411 <b>Online ISSN:</b> 2231-5209 CiteScore 0.2, SNIP 0.119, SJR 0.126,H index 4 <b>Impact score 0.26</b> <b>SCOPUS INDEXED</b>
22.	Neeru Kamboj, <b>Bhatnagar, Anita</b> and Yadav Abhay Singh. 2021. A study of karyomorphology, constitutive heterochromatin and NOR banding in three species of <i>Puntius</i> from the State of Haryana, India. <i>Cytology and Genetics</i> 55(1):87-95.	International <b>ISSN</b> 0095-4527 Allerton Press INC <b>IF 0.579</b> <b>H index 14</b> <b>SCOPUS INDEXED</b>
23.	Chopra, Girish, <b>Bhatnagar, Anita</b> and Kumar, Deepak.2021. Water Quality Index of Kali Bein – A Tributary of the River Beas in Punjab, India. <i>Annals of Biology</i> 37(1): 93-99.	International <b>ISSN</b> 09700153 <b>H Index 07</b> <b>Impact factor 0.32</b> <b>SJR 0.103</b> <b>SCOPUS INDEXED</b>
24.	Dhillon, Oshin and <b>Bhatnagar, Anita</b> 2020. Gut colonization and permanence of probiotics in <i>Labeo calbasu</i> (Hamilton, 1822). <i>Egyptian Journal of Aquatic Biology &amp; Fisheries</i> . 24(7):427-440	International P-1110-6131 online:2536-9814 <b>IF : 0.74,H Index 12</b> <b>SCOPUS INDEXED</b>
25.	<b>Bhatnagar Anita</b> , Sushma and Oshin.2020.Role of Probiotics in the feeds	International

	for long whiskered catfish, <i>Sperata aor</i> (Hamilton, 1822). <i>Journal of Aquatic Biology and Fisheries</i> . 8:7-11. <a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101000933&amp;flag=Search.(link for UGC care list)"><u>https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101000933&amp;flag=Search.(link for UGC care list)</u></a>	ISSN 2321-340X <b>UGC CARE LIST</b>
26.	<b>Bhatnagar, Anita</b> and Raparia Shashi. 2020. Evaluation of Probiotic adequacy, immunomodulatory effects and dosage application of <i>Bacillus coagulans</i> in formulated feeds for <i>Catla catla</i> (Hamilton 1822). <i>Int. J. Aquat. Biol.</i> 8(3):194-208.	International E ISSN 2322-5270 <b>IF 0.92, H index 04</b> <b>SCOPUS INDEXED</b>
27.	<b>Bhatnagar, Anita</b> and Rathi, Pragati. 2020 Dosage Determination of Autochthonous Probiotic Bacterium <i>Aneurinibacillus aneurinilyticus</i> for the Optimum Growth and Immunostimulation of <i>Labeo calbasu</i> (Hamilton, 1822). <i>Annals of Biology</i> 36 (1) : 81-87, 2020	International ISSN 09700153 <b>H Index 07</b> <b>Impact factor 0.32</b> <b>SJR 0.103</b> <b>SCOPUS INDEXED</b>
28.	<b>Bhatnagar, Anita</b> and Dhillon, Oshin (2019) Characterization, screening, and application of bacteria with probiotic properties isolated from the gut of <i>Labeo calbasu</i> (Hamilton). <i>FISHERIES &amp; AQUATIC LIFE (Archives of Polish Fisheries)</i> 27 (4): 178 – 189. DOI 10.2478/aopf-2019-0020	International ISSN: 20836139, 12306428 <b>Cite score 1.4</b> <b>Impact Factor 0.82</b> <b>H index 18</b> <b>SCOPUS INDEXED</b>
29.	Chopra, Girish., <b>Bhatnagar, Anita</b> . and Kumar, Deepak. (2019). A study on avifaunal diversity of Kali Bein, Punjab (India). <i>Research Review</i> . 4(5): 2702-2707. <b>Journal was listed in UGC with <a href="#">Journal No. 44945 (Till 14-06-2019)</a></b>	International ISSN 2455-3985  <b>Impact Factor 5.164 [SJIF]</b>
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#### D. BOOKS/MANUAL/PROCEEDINGS

1.	Garg, S.K., Jain, K.L.,Gahlawat,S.K. and <b>Bhatnagar, Anita</b> . 2004. Development of sustainable aquaculture technology in fresh and saline waters Course manual of summer school (June 14-July 4, 2004), CCS HAU, Hisar, pp. 346
2.	Garg, S.K. , <b>Bhatnagar, Anita</b> , Kalla, Alok and Johal, M.S. 2002. Experimental Ichthyology. CBS Publishers, New Delhi. P.149.
3.	Kulshrestha, S.K., Adholia, U.N., Jain, O.P. and <b>Bhatnagar Anita</b> (Eds.) 1988. Proceedings of National Symposium on past, present and future of Bhopal lakes. Pp. 257.

#### E. POPULAR ARTICLES

1.	Garg, S.K., Kalla, Alok, <b>Bhatnagar, Anita</b> 2004 Use of inland saline ground water for fish culture. <i>Haryana Kheti</i> , pp. 6-8
2.	Kumar, A, Garg, S.K., Kalla,A and Bhatnagar,Anita.2003. Anthaha sthaliya lavniya jal me mahajhinga palan. <i>Krishi Ahardoott</i> .pp22-26.
3.	Garg, S.K. Kalla, Alok, <b>Bhatnagar, Anita</b> , Sourindra Nath Jana and Gajinder Singh 2003. Precautions in fish culture during summer season. <i>Samudayik Kheti</i> 6 : 25
4.	Garg, S.K <b>Bhatnagar,Anita</b> , Kalla, A and G.S.Dinodia, 2003. Use of inland saline water in finfish culture. <b>In</b> : Proc. Of the workshop on fish production using brackish water in arid ecosystem (eds. Garg, S.K. and Arasu, A.R.T.), pp. 146
5.	Kumar, Ashok, Garg, S.K. and <b>Bhatnagar, Anita</b> 2003. Khaare paani mei mahajhinga paalan– Vyavsaik safalta. <b>In</b> : <b>In</b> : Proc. Of the workshop on fish production using brackish water in arid ecosystem (eds. Garg, S.K. and Arasu, A.R.T.), pp. 151

6.	Garg, S.K Kalla,A and <b>Bhatnagar, Anita</b> 2003. Lavania jal kaa matsya paalan mei upyog : Teekao jatkrishi ke leia. <i>In</i> : Proc. Of the workshop on fish production using brackish waer in arid ecosystem (eds. Garg, S.K. and Arasu, A.R.T.), pp. 157-162.
7.	Kalla, Alok ,Garg, S.K and <b>Bhatnagar, Anita</b> 2000. Haryana riyya ke bhoomigat lavnia jal mein carp machlio ke palan per prabhav ka addhyan. <i>In</i> : Proceedings of National Symposium on Lavania mrida ka jalkrishi hetu upyog (March 23
8.	<b>Bhatnagar, Anita</b> S.K. Garg, Vivek Sharma and Alok Kalla, 2000. Jaivik Khad Ka Jalkirishi Mein Upyog per ek addhyan. <i>In</i> : Proceedings of National Symposium on Lavania mrida ka jalkrishi hetu upyog (March 23
9.	<b>Bhatnagar Anita</b> , and. Garg , S.K 1994. Importance of water and soil in fish culture. <i>In</i> : <i>Bull. Training on brackish and freshwater fish culture</i> . CCS HAU, Hisar (March 15-17, 1994), pp. 11-15
10.	Garg, S.K and <b>Bhatnagar Anita</b> , 1994. Introduction to brackish water fish culture. <i>In</i> : <i>Bull. Training on brackish and freshwater fish culture</i> . CCS HAU, Hisar (March 15

**List of Students who have completed M.Phil under my supervision**

S.No	Name of Student	Title of Dissertation	Year of Award
1.	Sushma	<b>Effect of artificial feeding and probiotics on growth performance, survival and digestibility of freshwater fish, <i>Aorichthys aor</i> (Hamilton)</b>	2008
2.	Pooja Devi	<b>Studies on the impact of pilgrim dip on the water quality of Brahmsarovar and the indewelling planktonic organisms</b>	2008
3.	Sudesh Kumari	<b>Studies on Enzyme producing microflora and potential probiotic bacteria from the gut of <i>Catla catla</i> (Hamilton)</b>	2009
4.	Neelam Rajharia	<b>Role of plant proteins and optimization of dietary calcium and phosphorus levels for growing <i>Cirrihinus mrigala</i> (Hamilton).</b>	2009
5.	Shashi Raparia	<b><i>Bacillus coagulans</i> CC1 as a potential probiotics in the formulated feeds for <i>Catla catla</i>.</b>	2010
6.	Ms. Manjeet Kaur	<b>Genotoxic Effects of Butachlor on Fresh Water Teleost <i>Cirrhinus mrigala</i> (Hamilton)</b>	2010

List of Ph.D Students who have completed/registered under my supervision

S.No	Name	Title of thesis	Awarded/ Registered	Year of Award
1.	Priyanka Malhotra	Biomonitoring of river Yamuna for water quality assessment in Yamunanagar (Haryana) (As co-supervisor)	Awarded	2010
2.	Gajender Singh	Fish Food Organisms and Intestinal Enzymes of Indian Major Carps from Fish Culture Ponds in Haryana	Awarded	2011
3.	Shashi Raparia	Use of Potential Probiotic Bacteria <i>Bacillus coagulans</i> and Duckweed in Feeds for Growth Promotion and Immunomodulatory Effects in <i>Catla catla</i> .	Awarded	2014
4.	Neeru	A Study of Fish Biodiversity and Karyology of Commercially Important Fish Species of Haryana	Awarded	2015
5.	Rajesh Dayal	Impact of Dietary Omega – 3 HUFA Supplementation on Growth and Reproductive Performances in Snakehead Murrel ( <i>Channa striatus</i> , Bloch)	Awarded	2015
6.	Navneet Kaur	Analysis of Toxic Effects of Chlorpyrifos on the Locomotor Behaviour, Growth Performance, Carcass Composition and chromosomes of <i>Cirrhinus mrigala</i> (As co-supervisor)	Awarded	2016
7.	Manjeet Kaur	Fish Culture in Paddy Fields and Genotoxic Effect of Paddy Agrochemicals on Fish	Awarded	2017
8.	Ritu	Role of Probiotics and Immunostimulants in feeds of <i>Cirrhinus mrigala</i> (Hamilton) for Sustainable Aquaculture	Awarded	2017
9.	Pooja Devi	Environmental Impact of Religious Activities on Prominent Water Bodies of Haryana	Awarded	2017
10.	Sunil Kumari	Identification and comparison of antibacterial components in the fish mucus of freshwater fishes of different feeding habits and habitats	Awarded	2018
11.	Oshin Dhillon	Evaluation of Dietary Protein Requirements and Role of Intestinal Probiotic Bacteria for Optimum Growth of <i>Labeo calbasu</i> (Hamilton, 1822)	Awarded	2019
12.	Sonal Saluja	Evaluation of growth performance and immunomodulatory effects of dietary supplementation of <i>Zingiber officinale</i> and <i>Mentha piperita</i> with or without <i>Bacillus cocaulans</i> in <i>Catla catla</i> (Hamilton, 1822)	Awarded	2021
13.	Deepak Kumar	Study of Hydrobiological Parameters of Kali Bein With Special Reference to Fish And Avian Fauna (As co-supervisor)	Awarded	2021
14.	Pragati Rathee	Impact of dietary probiotic supplementation on immune response and growth performance of <i>Labeo</i>	Awarded	2023

		<i>calbasu</i> (Hamilton,1822) and evaluation of cutaneous mucosal antimicrobial bacteria.		
15.	Ms. Sapna	Genotoxic effects of sewage waste water on fish and its biotreatment using autochthonous microorganisms	Awarded	2024
16.	Ms. Kirti	Skin mucus metabolites of certain freshwater fishes in response to physiological challenges and impact of dietary probiotics supplementation	Awarded	2024
17.	Ms. Deepika	Effects of dietary supplementation of <i>ocimum sanctum</i> (tulsi) with probiotics and mixed feeding schedule for sustainable culture of <i>Cirrhinus mirigala</i> (hamilton, 1822)	Awarded	2024
18.	Ms. Nisha thakral	Bacteriological assessment of surface and ground water in Kurukshetra and role of silver and zinc nanoparticles as antibacterial agents	Submitted	In June 2025
19.	Ms. Akshi Chauhan	Reparative impact of host and medium associated beneficial microbes on sewage induced growth, immune suppression and gut injury in <i>Channa straitus</i>	Registered	Since 2023
20.	Ms. Preeti Yadav	Antimicrobial activity of fish skin mucus and role of mucus- associated beneficial bacteria to combat pathogen stress	Registered	Since 2023