



Dr. Yahya Bakhtiyar (Ph.D. in Zoology)

- Assistant Professor (Sr. Scale),
Department of Zoology,
 - Deputy Director CCPC
 - Coordinator DIQA
 - Former Coordinator, Directorate of Admissions
and Competitive Examinations
 - Former Warden GKRS Inn,
University of Kashmir.
- E-mail: yahya.bakhtiyar@gmail.com
yahya.bakhtiyar@uok.edu.in
Ph. No: +91-9419125503

RESEARCH HIGHLIGHTS

1. Population dynamics of economically important fishes from different water bodies.
2. Nutritional requirements of freshwater prawn of Jammu region.
3. Development of low-cost formula feeds for *Macrobrachium dayanum*.
4. Food preferences of *Macrobrachium dayanum* (Henderson) and *Labeo rohita* (Hamilton).
5. Nutritional status and culture of food organisms.
6. Mono and polyculture of *Macrobrachium rosenbergii* and Indian major carps.
7. Proximate composition of various Fish, prawns, and natural and artificial food ingredients.
8. Biological aspects of the freshwater fishes of Kashmir.

EDUCATIONAL QUALIFICATION

1. Ph.D. in Zoology from Jammu University (2003-2008). Title "***Food preferences of Macrobrachium dayanum (Henderson) and Labeo rohita (Hamilton) and Nutritional status and culture of food organisms***".
2. M. Sc. Zoology (2000-02), First division with 73.46% marks from Department of Zoology, Aligarh Muslim University, Aligarh, India.
3. B.Sc. (1997-2000), 1st Division with 72.48% marks from Jammu University.

PROJECTS IN HAND AS PRINCIPAL INVESTIGATOR: 02

1. **2018-2021** Population dynamics of introduced *Cyprinus carpio* in Dal Lake and its impact on Lake Ecosystem and local *Schizothorax* species funded by DST-SERB GOI. **Amount Sanctioned: 34,06200/=**
2. **2024-2026** Population and reproductive biology of some forage fishes from Dal Lake, Kashmir funded by JKST&IC. **Amount sanctioned 5,50,000/=**

RESEARCH SUMMARY

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|---|---|-----|
| 1. Total number of papers published in Journals | : | 56 |
| 2. Books/Book Chapters authored/Edited | : | 12 |
| 3. Articles/Newsletters | : | 03 |
| 4. Abstracts published | : | 64 |
| 5. Conferences attended | : | 52 |
| 6. Invited Lectures | : | 24 |
| 7. Seminars/Workshops organized | : | 09 |
| 8. Total citations | : | 607 |
| 9. H-Index | : | 14 |
| 10. I-10 index | : | 19 |
| 11. Professional Training Courses attended | : | 02 |
| 12. Orientation/Refresher Courses | : | 07 |

TEACHING EXPERIENCE: 17 YEARS

1. Lecturer in Zoology Govt. Degree College Bhadarwah (2002-03).
2. Lecturer in Zoology School Education Department w.e.f. 12-08-2008 to 24-06-2013

PRESENT OCCUPATION:

- Assistant Professor Department of Zoology, University of Kashmir (w.e.f. 24th of June 2013).

ADMINISTRATIVE EXPERIENCE

- **Member of the Committee constituted for the Kashmir University Welfare Initiative June, 06, 2025.**
- **Coordinator, DIQA w.e.f.**
- Deputy Director CCCP w.e.f. October 22, 2024 till date
- Warden of GKRS Inn w.e.f. 11th October 2018 to March 2020.
- Coordinator Admissions and Competitive Examinations, University of Kashmir w.e.f. 14th December 2019 to October 2020.
- Member Monitoring and Advisory Committee of KUMHS to supervise/monitor its functioning.
- Member core group for implementation of the 4-year innovative Bachelors program **“Design Your Degree”**
- Member Departmental Committee
- Member Departmental Research Committee
- Member Board of Postgraduate Studies
- Member Hostel Accommodation Committee 2018-2020
- Member Hostel Purchase Committee 2018-2020
- Member Admission Advisory Committee 2020-2021
- Member Admission Purchase Committee 2020-2021
- Member Research Review Committee for Life Sciences Research Hub, GCW Parade
- Member Advisory Committee Raj Rishi Govt. Autonomous College Alwar, Rajasthan

MEMBERSHIPS:

- Life member of the Indian Science Congress Association since 2008
- Life member of the Indian Fisheries Association since 2010
- Life member of the Indian Red Cross since 2011
- Life member of The Indian Academy of Environmental Biology since 2014
- Life member of the Inland Fisheries Society of India since 2017
- Life Member of the Zoological Society of India, Gaya since 2018
- Life Member of the Cold Water Fisheries Society of India since 2019
- Life member of the Aquatic Biodiversity Conservation Management since 2019
- Life member of the Society of Fisheries and Life Science since 2020

OTHER SOCIAL ACTIVITIES:

- Worked as Vice President Akhil Bhartiya Rachnatmak Samaj during the year 1997-2000.
- Convener Chenab Valley Students Association, 2006-2008.

PROJECTS UNDERTAKEN/RESEARCH EXPERIENCE APART FROM Ph.D.: 4YEARS

- Worked as **Junior Research Fellow** and **Senior Research Fellow** in DST (J&K Govt.) project entitled “Nutritional Requirements of Certain Fresh Water Prawns of Local Commercial Importance and Development of Low-Cost Formula Feeds”. **(3 years)**
- Worked as **Senior Research Fellow** in DST (GOI) funded Project entitled “Demonstration of Mono and poly culture of *Macrobrachium rosenbergii* and Indian major carps in Jammu”. **(1 year)**
- Ph.D.: “Food preferences of *Macrobrachium dayanum* (Henderson) and *Labeo rohita* (Hamilton) and Nutritional status and culture of food organisms”.

OTHER EXPERIENCE

- Attended a short-term computer Course organized by the computer nodal center and Department of Zoology, University of Jammu (June- July 2004).
- Attended a short-term computer Course organized by the computer nodal center and Department of Zoology, University of Jammu. (15th Dec-20th Jan 2006)

AWARDS AND POSITIONS

- **Conferred upon Best Teachert Award** by the Society of Fisheries and Life Sciences, College of Fisheries, Mangaluru, Karnataka, India vide letter no No. FCM/SFSS/Award/99/2025 Date: 10/02/2026.
- **Conferred upon Prof. G.K. Kulkarni Medal** by the Zoological Society of India at its 34th All India Congress of Zoology (AICZ) held at University of Kashmir, 5-7 June 2023.
- **Conferred upon fellowship** by the Zoological Society of India at its 33rd All India Congress of Zoology (AICZ) held at the Department of Zoology, Pandit S.N. Shukla University, Shahdol, Madhya Pradesh on 10th August 2022.
- **Conferred upon fellowship** by the Academy of Environmental Biology at its 39th Annual Conference held at NBFGR Lucknow on 29th of November 2019.
- Awarded **certificate of appreciation and Congress of Zoology medal** by **Zoological Society of India**, Gaya for outstanding research and academic contribution in the field of fish and fisheries at College of Fisheries, CAU (I), Lembucherra (Agartala), Tripura on inaugural day 15th January 2019.
- Awarded **certificate of appreciation and medal** by **Zoological Society of India**, Gaya on eve of Animal Science Congress: Horizons in Zoological Studies Organized by the Department of Zoology, University of Kashmir, w.e.f. 4th -6th August 2018.
- **Top rank in the State in 10+2 Zoology Lecturer (School Education) list** conducted by JKPSC Jammu and Kashmir Govt.

- **Best paper presentation** in oral presentation session in 3rd J&K Science Congress, 26-28 Feb 2008.
- **Qualified** for the preliminary examination of **State civil services** and **Assistant Conservator of Forest Examination** conducted by the **State Public Service Commission** in **2009, 2010, 2011, and 2012.**

TECHNICAL PROFICIENCY

- Age and Growth Estimation in Fishes
- Fish feed formulation
- Prawn/Fish culture
- Protein / Lipid / Carbohydrates / Ash / Moisture estimation
- Captive breeding of local freshwater prawn *Macrobrachium dayanum*.
- Culture of live food organisms.
- Proximate body composition of fish and prawn.

REVIEWER OF VARIOUS REPUTED JOURNALS

1. Ecology and Evolution (ScholarOne Manuscripts)
2. Journal of Applied Ichthyology (Wiley)
3. Environmental Science and Pollution Research (Springer)
4. Journal of Fish Biology (Wiley)
5. Lakes and Reservoirs (Wiley)
6. Cogent Food and Agriculture (Taylor and Francis)
7. Environmental Monitoring and Assessment (Springer)
8. Comparative Clinical Biology (Springer)
9. National Academy of Sciences, Biology (Springer)
10. Waste and Biomass Valorization (Springer)
11. Journal of Threatened Taxa
12. Journal of Advances in Biology & Biotechnology,
13. Biosciences Biotechnology Research Asia
14. Current World Environment
15. Journal of Applied Life Sciences International
16. Asian Journal of Fisheries and Aquatic Research

CONFERENCES/SEMINARS/WORKSHOPS ORGANIZED

1. Coordinated CRISP 25 Orientation Session on Strategies for Effective CSE Preparation organized by CCCP on 10 Sep 2025.
2. Coordinated A strategy talk on how to crack IAS, Cracking the Code: A Strategy Talk on How to Crack UPSC organized by CCCP on 28 Apr 2025
3. Organized one day regional workshop on “Explore your future: Unlock a Career in Civil Services” on 22nd November, 2024 organized by the Centre for Career Planning and Counseling (CCPC) at Convocation Complex, University of Kashmir. **(As Co-Convener)**
4. Coordinated two-week refresher course in Sciences conducted by UGC–Malviya Mission Teacher Training Centre, University of Kashmir w.e.f. July 9th to 25th, 2024 in Residential (offline) Mode. **(As Course Coordinator)**.
5. Organized One-Week Training Programme on “Fish Farming and Utilization of Less Expensive Ingredients in Fish Feed” (Under Skill Development Programme) w.e.f. 19th March to 25th March 2024 in the Department of Zoology, University of Kashmir. **(As Co Organizing Secretary)**.
6. Organized 3-Day National Seminar on the theme 3-Day National Conference on the theme “Changing Course in Global Environment: Challenges and Solutions” On the eve of World Environment Day 2023 & 34th All India Congress of Zoology (34th AICZ) organized by Department of Environmental Science in collaboration with Zoological Society of India, Gaya at University of Kashmir w.e.f. 5 to 7 June 2023 **(As Organizing Secretary)**.
7. Coordinated a One-week Workshop on “Diversity in Animal Kingdom” and Tour to the Museum of Zoology, University of Kashmir organized jointly by the Department of Zoology, University of Kashmir and GDC Bijbehara for undergraduate students from 20th of September to 26th of September 2021 **(As Coordinator)**.
8. Coordinated 1-Day workshop on “Foldscope Assembly and Usage” jointly organized by the Department of Zoology, the University of Kashmir and the Department of Biotechnology, Faculty of Fisheries, SKUAST-K Rangil at Department of Zoology, the University of Kashmir on 28th January 2019 **(As Coordinator)**.
9. Organized 3-Day National Seminar: Animal Science Congress: Horizons in Zoological Studies” w.e.f. 4th August 2018 to 6th August 2018 in collaboration with SERB-DST, DST (J&K Govt.), J&K Bank, JK Tourism **(As Organizing Secretary)**.

ORIENTATION AND REFRESHER COURSES AND SHORT-TERM PROFESSIONAL TRAINING

1. Participated in University Grants Commission NEP 2020 orientation & sensitization under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) organized by Central University Of Punjab, Bathinda from 16th to 25th December, 2024.
2. Attended International Conference on “Multidisciplinary Approach Towards Sustainable Development and Climate Change for Viable Future (ICMSDC-2022)” organized by Raj Rishi Govt. Autonomous College, Alwar, Rajasthan from 12th -14th August 2022.
3. Attended International Short-Term Training Programme-3 on “Contrivance of Sustainable Development Goals (SDGs) for Environmental Conservation” organized by Raj Rishi Govt. Autonomous College from 24th - 30th June 2022.
4. Attended the International Short-Term Training Programme-2 on Impact and Panacea of Environmental Pollution: The past, present and Future organized by the Department of Zoology Raj Rishi Govt. Autonomous College, Alwar -301001, Rajasthan from 20th to 26th April 2022.
5. Attended the International Short-Term Training Programme-1 on recent advances in Environmental toxicology and Wildlife Conservation organized by Department of Zoology Raj Rishi Govt. Autonomous College, Alwar -301001, Rajasthan from 22nd to 28th March 2022.
6. Attended 21-days National Training Course (NTC-2021) on “**Recent Advances in Fisheries and Aquaculture Technology for Sustainable Rural Development**” jointly organized by West Bengal University of Animal and Fishery Sciences (WBUAFS) Kolkata, West Bengal, and NADCL, Baramula (UT of J&K) from 18 May to 07 June 2021.
7. Attended seven days online international “**Workshop on Research and Methodology 2020**” organized by Eudoxia Research Centre, India w.e.f. 5th April 2020 to 11th April 2020.
8. Attended 21-days winter school/refresher course on “**Recent Advances in Fishery Biology Techniques for Biodiversity Evaluation and Conservation**” organized by ICAR-CMFRI, Kochi from 1st December 2018 to 21 December 2018.
9. Attended **refresher course** in Bio-Sciences (ID) organized by UGC Human Resource Development Center, University of Kashmir, from 15-05-2017 to 03-06-2017.

10. Attended **Refresher Course** on "Towards excellence in higher education", organized by UGC Human Resource Development Centre, University of Kashmir, from 15-02-2017 to 08-03-2017.
11. Attended an **Orientation Course** on the "67th General Orientation Course", organized by UGC Academic Staff College, University of Kashmir, from 20-01-2015 to 16-02-2015.
12. Participated in the Centre of Advanced Studies Training program in "**Advances in Disease Diagnostics for Finfish and Shell Fish Health Management**" at CIFE, Mumbai during 15th Nov- 5th Dec 2005.

PUBLICATIONS

1. NA Khan, S Nissar, ZA Mir, Y **Bakhtiyar**, KZ Masoodi (2025). Effect of abiotic factors on the diversity and distribution of aquatic oligochaetes in Dal Lake, Kashmir. *Biologia*, 81:67 <https://doi.org/10.1007/s11756-025-02109-w> [Impact Factor: 1.6]
2. Mir, Z.A., **Bakhtiyar**, Y., Parveen, M., Khan, N.A., Akhtar, M., and Nissar, S. (2025). Macroinvertebrate structure, diversity, and water quality indicators in Jhelum tributaries of Kashmir Himalaya. *Environ Monit Assess* 197, 915. <https://doi.org/10.1007/s10661-025-14346-2>
3. Nissar, S., Yousuf, T., **Bakhtiyar**, Y. (2025) Stock assessment of *Crossocheilus diplochilus* (Heckel, 1838) in Dal Lake of Kashmir Himalayas. *Journal of Fisheries* 13(1): 131208. DOI: 10.17017/j.fish.729
4. Yousuf, T., Andrabi, S., & **Bakhtiyar**, Y. (2025). Water quality and stock assessment of *Schizothorax niger* (Alghad snowtrout) in Manasbal Lake, Kashmir Himalaya. *Environmental Monitoring and Assessment*, 197(1), 1-15.
5. Abrar Ahmad Bhat, Mohammad Yasir Arafat, Sinan Nissar, Tabasum Yousuf **and Yahya Bakhtiyar** (2024) Fish diversity, relative abundance comparison between native and non-native fish species of Dal Lake, Kashmir Himalaya India. *International Journal of Fisheries and Aquatic Studies*, 12 (6): 35-42.
6. Sinan Nissar, **Yahya Bakhtiyar**, Tabasum Yousuf, Abrar Ahmad Bhat, SM Zuber (2024) Stock assessment of rosy barb, *Pethia conchonius* (Hamilton, 1822) in Dal Lake of Kashmir Himalayas *Journal of Fisheries*, 12 (3) December 2024 eISSN 2311-3111 pISSN 2311-729X
7. T Yousuf, S Andrabi, S Javaid, S Nissar, Y **Bakhtiyar** (2024) Evaluating drivers of spatio-temporal variability in fish fauna of Manasbal Lake of Kashmir Himalayas. *Water Science* 38 (1): 519–532 <https://doi.org/10.1080/23570008.2024.2406572>

8. **Yahya Bakhtiyar**, Mohammad Yasir Arafat, Sinan Nissar (2024) A handy note on the basic taxonomic features of five Schizothorax species of Kashmir Himalaya, India. Records of the Zoological Survey of India 124 (1), 1-13
9. Niyaz Ali Khan, Zahoor Ahmad Mir & **Yahya Bakhtiyar** (2024). The present state of leech fauna (Annelida: Hirudinea) in Dal Lake, Jammu & Kashmir, India. Journal of Threatened Taxa 16(8): 25700–25711
10. Tabasum Yousuf, Shaista Javaid, Sinan Nissar, Zahoor Ahmad Mir, **Yahya Bakhtiyar** (2024) An insight into the ecology of Manasbal Lake of Kashmir Valley: A Review. Current World Environment 19 (2): 519-544, ISSN: 0973-4929
11. Saima Andrabi, **Yahya Bakhtiyar**, Mohammad Yasir Arafat, Abrar Ahmad Bhat, Muni Parveen (2024) Demography and management of invasive common carp (*Cyprinus carpio*) from Manasbal Lake Kashmir, India Lakes & Reservoirs: Science, Policy and Management for Sustainable Use 29 (1) <https://doi.org/10.1111/lre.12458> First published: 28 June 2024
12. Zahoor Ahmad Mir, **Yahya Bakhtiyar**, Muni Parveen, Niyaz Ali Khan (2024). Taxonomy and diversity of annelids in two Jhelum tributaries of Kashmir Himalaya, India. Accepted in Proceedings of the National Academy of Sciences, India Section B: Biological Sciences. 94(4):893–901 **Impact Factor: 0.96** EISSN: 2250-1746 PISSN: 0369-8211 published online 13 June 2024
13. Sinan Nissar, **Yahya Bakhtiyar** and S. M. Zuber (2024). Length-Weight, Length-Length relationships and condition factor of *Crossocheilus diplochilus* (Heckel) from Dal Lake of Kashmir Himalayas. Journal of Ecophysiology and Occupational Health, 24(1), 51-56, DOI: 10.18311/jeoh/2024/35907.
14. Saima Andrabi, **Yahya Bakhtiyar**, Tabasum Yousuf, Maqsooda Akhtar, Sinan Nissar (2024) Water quality assessment in relation to fish assemblage using multivariate analysis in Manasbal Lake, Kashmir. *Water Science*, Wiley, 38(1): 92-108. ISSN 2357-0008
15. Maqsooda Akhtar, **Yahya Bakhtiyar**, Zahoor Ahmad Mir, Muni Parveen, Raheela Mushtaq (2023) Studies on Limnological Parameters and their Impact on the Distribution and Diversity of Zooplankton in Anchar Lake, Kashmir. *Current world Environment*, 18(2), 810-832. <http://dx.doi.org/10.12944/CWE.18.2.29> ISSN:0973-4929
16. Zahoor Ahmad Mir, **Yahya Bakhtiyar**, Mohammad Yasir Arafat, Niyaz Ali Khan, Muni Parveen (2023) Spatiotemporal variation of physicochemical parameters in Aripal and Watalara streams of Kashmir Himalaya using multivariate statistical techniques. *Environmental Monitoring and*

Assessment 195(743), 1-18. <https://doi.org/10.1007/s10661-023-11261-2> ISSN: 1573-2959

Impact Factor: 3.0

17. Tabasum Yousuf, **Yahya Bakhtiyar**, Saima Andrabi, Gohar Bilal Wani (2023). Length-Weight relationship and condition factor of seven fish species in Manasbal Lake, Kashmir, India. *Croatian Journal of Fisheries* 81 (1), 13-22. ISSN 1330-061X (print) 1848-0586 (online) <https://doi.org/10.2478/cjf-2023-0002> **Impact Factor: 0.6**
18. **Yahya Bakhtiyar**, Sinan Nissar, Mohammad Yasir Arafat, Raheela Mushtaq (2023) Feeding ecology of fishes: A mini review. *Bulletin of Pure and Applied Sciences* 42A (1), 190-213.
19. Sinan Nissar, **Yahya Bakhtiyar**, Mohammad Yasir Arafat, Saima Andrabi, Zahoor Ahmad Mir, Niyaz Ali Khan & Seema Langer (2023) The evolution of multi-trophic aquaculture in context of its design and components paving way to valorization via optimization and diversification. *Aquaculture*, 565, 739074, <https://doi.org/10.1016/j.aquaculture.2022.739074> **Impact Factor: 4.5**
20. Abrar Ahmad Bhat, Mohammad Yasir Arafat, Muni Parveen, **Yahya Bakhtiyar** (2022) Comparative account on the length-weight and length-length relationships and condition factor of six cyprinid fishes from Dal Lake, Kashmir. *Journal of Fisheries*, 10(3): 103202. DOI: 10.17017/j.fish.417 **Impact Factor: 0.6**
21. Sinan Nissar, **Yahya Bakhtiyar**, Mohammad Yasir Arafat, Saima Andrabi, Abrar Ahmad Bhat & Tabasum Yousuf (2022) A review of the ecosystem services provided by the marine forage fish. *Hydrobiologia* 850:2871–2902. <https://doi.org/10.1007/s10750-022-05033-1> ISSN 1573-5117 **Impact Factor: 2.6**
22. Saima Andrabi, **Yahya Bakhtiyar**, Muni Parveen and Mohammad Yasir Arafat (2022) Diversity and relative abundance of fish fauna in Manasbal Lake of the Kashmir Himalayas, India. *Croatian Journal of Fisheries*, 80(3): 113-122. ISSN 1330-061X (print) 1848-0586 (online). DOI: 10.2478/ cjf-2022-0012.
23. Zahoor Ahmad Mir, **Yahya Bakhtiyar**, Muni Parveen, Niyaz Ali Khan, Robina Kousar and Shvetambri (2022) Seasonal Variation in the Macro-benthic Invertebrate Densities of Aripal and Watalara Streams of Kashmir Himalaya, India. *Journal of Ecophysiology and Occupational Health*, Vol 22(2):88-93. DOI: 10.18311/jeoh/2022/29644. ISSN (Print): 0972-4397 ISSN (Online): 0974-0805

24. Zahoor Ahmad Mir and **Yahya Bakhtiyar** (2022) Spatial and temporal variation in the diversity of malacofauna from Aripal stream of Kashmir Himalaya, India, *Journal of Threatened Taxa*, 14(3):20747-20757. ISSN 0974-7907 (Online) | ISSN 0974-7893 (Print) **Impact Factor: 0.2**
25. Mohammad Yasir Arafat, Yahya Bakhtiyar, Zahoor Ahmad Mir and Sheikh Tajamul Islam (2022) Assessment of physicochemical parameters of Vishav stream, an important tributary of river Jhelum, Kashmir Himalaya, India. *Environmental Monitoring and Assessment* 194,158. <https://doi.org/10.1007/s10661-022-09788-x>, Electronic ISSN 1573-2959 Print ISSN 0167-6369 **Impact Factor: 3.0**
26. Mohammad Yasir Arafat and **Yahya Bakhtiyar** (2022). Length-weight relationship, growth pattern and condition factor of four indigenous cypriniform Schizothorax species from Vishav stream of Kashmir Himalaya, India. *Journal of Fisheries*, 10(1), 101202. ISSN: 2311-3111 (Online) and 2311-729X (Print) Retrieved from <https://journal.bdfish.org/index.php/fisheries/article/view/JFish101202> **Impact Factor: 0.6**
27. Mohammad Yasir Arafat and **Yahya Bakhtiyar** (2022) Reproductive pattern and maturity phases of indigenous Kunar snowtrout *Schizothorax labiatus* inhabiting Vishav Stream in Kashmir Himalaya, India. *Environmental Biology of Fishes* 105, 247-260. <https://doi.org/10.1007/s10641-022-01218-8>. IF: 1.79, 0378-1909 (print) 1573-5133 (web) ISSN: 1573-5133 **Impact Factor: 1.4**
28. Saima Andrabi, Muni Parveen and **Yahya Bakhtiyar** (2021) Length-length, length-weight relationships and condition factor of an ecological invader, *Cyprinus carpio* (Linnaeus, 1758) from Manasbal Lake of Kashmir Himalaya, India. *Journal of Fisheries* 9(2): ISSN: 2311-3111 (Online) and 2311-729X (Print). <https://doi.org/10.17017/j.fish.330>. **Impact Factor: 0.6**
29. Mohammad Yasir Arafat, **Yahya Bakhtiyar**, Zahoor Ahmad Mir and Hamid Iqbal Tak (2021). Paradigm of Climate Change and its Influence on Zooplankton. *Biosciences Biotechnology Research Asia*, 18(2):423-438. <http://dx.doi.org/10.13005/bbra/2929>, **Print ISSN: 0973-1245 Online ISSN: 2456-2602**. Publisher: Oriental Scientific Publishing Company (OSPC)
30. Muzamil Sidiq, Imtiaz Ahmed and **Yahya Bakhtiyar** (2021). Length-weight relationship, morphometric characters, and meristic counts of the coldwater fish *Crossocheilus diplochilus* (Heckel) from Dal Lake. *Fisheries & Aquatic Life* 29 (1): 29-34. DOI 10.2478/aopf-2021-0003. eISSN: 2545-059X. Publisher: Archives of Polish Fisheries
31. Mohammad Yasir Arafat and **Yahya Bakhtiyar** (2020). Morphometric attributes and their controlling elements in Himalayan snow trout, *Schizothorax labiatus* inhabiting Vishav stream of

- South Kashmir, India. *Journal of Ecophysiology and Occupational Health*, 20 (1&2): 50-56, DOI: 10.18311/jeoh/2020/24782, January–June 2020. ISSN (Print): 0972-4397 ISSN (Online): 0974-0805. Publisher: The Academy of Environmental Biology.
32. Sanjeev Kumar Karlopiya, **Yahya Bakhtiyar** and Seema Langer (2019). Comparison of the growth potential of *Macrobrachium rosenbergii* in mono as well as polyculture conditions in earthen culture ponds of Jammu, India, *Journal of Ecophysiology and Occupational Health*, Vol 19(3&4): 112–119. DOI 10.18311/jeoh/2019/23499, July-December 2019. ISSN (Print): 0972-4397 ISSN (Online): 0974-0805, Publisher: The Academy of Environmental Biology.
33. **Yahya Bakhtiyar** and Seema Langer (2018). Seasonal variation in the proximate body composition of *Labeo rohita* (Hamilton) from Gho- Manhasa fish ponds. *Journal of Research and Development*, 18:24-36. Print ISSN: 0972 - 5407 Online ISSN: 0972 – 5407. Publisher: Centre of Research for Development, University of Kashmir, Srinagar
34. Yusra Ashraf, Azra Bashir and **Yahya Bakhtiyar** (2018). Studies on measurement of morphometric and meristic characters of *Schizothorax niger*. *Journal of Research and Development*, 18:126-132. . Print ISSN: 0972-5407 Online ISSN: 0972-5407. Publisher: Centre of Research for Development, University of Kashmir, Srinagar
35. Mohammad Yasir Arafat and **Yahya Bakhtiyar** (2018). Preliminary studies on the studies on the length weight relationship and condition factor of *Schizothorax labiatus* (McClelland, 1842) from Vishav stream of South Kashmir, India. *International Journal of Advance Research in Science and Engineering* 7(4): 2242-2251. eISSN: 2319-8354, ISSN: 2319-8346. **UGC SERIAL NO: 47721**
36. **Yahya Bakhtiyar**, Seema Langer, Sanjeev Kumar Karlopiya and Rajesh Kumar Chalotra (2017). Studies on the feeding habits of *Labeo rohita* (Ham.) from Gho-Manhasa fish ponds, Jammu, North India". *J. Eco. Physiol. Occup. Hlth.*, 17(1&2): 40-49. ISSN (Print): 0972-4397 ISSN (Online): 0974-0805, Publisher: The Academy of Environmental Biology.
37. **Yahya Bakhtiyar** and Seema Langer 2016. Seasonal variation in the proximate body composition of *Macrobrachium dayanum* (Henderson, 1893) (Decapoda, Caridea) from Gho-Manhasa stream, Jammu, North India. *Acta Biologica Turcica*, 29(3):89-98. Publisher: eISSN: 2458-7893. Turkish Society of Biology.
38. **Yahya Bakhtiyar**, Imtiaz Ahmed and Seema Langer (2015). Feeding Habits of Decapod Crustaceans. *Journal of Research & Development*, Vol. 15: 110-116. Print ISSN: 0972-5407

39. **Bakhtiyar, Y.**, Samyal, A. & Langer, S., (2015). Studies on the effect of delayed initial feeding on survival of *Macrobrachium dayanum* (Henderson) larvae under laboratory conditions. *International Journal of Fisheries and Aquatic Studies*, 3(2): 463–467. Print ISSN: 2394-0506, Online ISSN: 2347-5129
40. **Bakhtiyar, Y.**, Lakhnotra, R. & Langer, S., (2014). Natural food and feeding habits of a locally available freshwater prawn *Macrobrachium dayanum* (Henderson) from Jammu waters, North India. *International Journal of Fisheries and Aquatic Studies*, 2(3), pp.33–38.
41. Seema Langer, Priya Manhas, **Yahya Bakhtiyar**, Sheikh Rayees and Gurdarshan Singh (2013). Studies on the Seasonal Fluctuations in the Proximate Body Composition of *Paratelphusa masoniana* (Henderson) (Female), a Local Freshwater Crab of Jammu Region. *Advance Journal of Food Science and Technology*, 5(8): 986-990. Print ISSN: 2042-4868 Online ISSN: 2042-4876, Maxwell Scientific Publication Corp.
42. **Yahya Bakhtiyar**, Anshu Samyal, Archana Kumari and Seema Langer (2012). Studies on the food preferences of *Macrobrachium dayanum* and *Labeo rohita* under laboratory condition. *International Journal of Fisheries and Aquaculture Sciences*, 2(3):199-206. ISSN: 2248-9975
43. **Yahya Bakhtiyar**, Seema Langer, S.K. Karlopiya and Imtiaz Ahmed (2011). Growth, Survival and proximate body composition of *L. rohita* larvae fed artificial food and natural food organisms under laboratory conditions. *International Journal of Fisheries and Aquaculture*, 3(6): 113-116. ISSN: 2006-9839, Academic Journals <https://doi.org/10.5897/IJFA.9000021>
44. Anshu Samyal, **Yahya Bakhtiyar**, Archana Verma and Seema Langer (2011). Studies on the seasonal variation in lipid composition of muscles, hepatopancreas and ovary of freshwater prawn, *Macrobrachium dayanum* (Henderson) during reproductive cycle. *Advance Journal of Food Science and Technology*, 3(3): 160-164. Print ISSN: 2042-4868 Online ISSN: 2042-4876, Maxwell Scientific Publication Corp.
45. Seema Langer, **Yahya Bakhtiyar** and Rewa Lakhnotra (2011). Replacement of fish meal with locally available ingredients in diet composition of *Macrobrachium dayanum*. *African Journal of Agricultural Research*, Vol. 6(5): 1080-1084. ISSN:1991-637X, <https://doi.org/10.5897/AJAR.9000588>

46. Seema Langer, Rajesh. K. Chalotra and **Yahya Bakhtiyar (2011)**. Preliminary Studies on the feeding of freshwater prawn, *Macrobrachium dayanum* (Henderson). *International Journal of Fisheries and Aquaculture Sciences*, 1(1): 27-33. ISSN: 2248-9975 Research India Publication
47. Seema Langer, S.K. Karlopio and **Yahya Bakhtiyar (2011)**. Effect of different stocking densities on the growth and survival of freshwater prawn, *Macrobrachium rosenbergii* under laboratory conditions in Jammu. *International Journal of Fisheries and Aquaculture Sciences*, 1(1): 19-25.
48. Seema Langer, **Yahya Bakhtiyar**, Nazia Malik and Sanjeev, K. Karlopio (2009). Growth, Survival and proximate body composition of *M. dayanum* larvae fed artificial food and natural food organisms under laboratory conditions. *International Journal of Biotechnology and Biochemistry*, 5(3): 213-221. Print ISSN 0973-2691 Online ISSN: 0974-4762
49. Seema Langer, **Yahya Bakhtiyar**, S.K. Karlopio and Imtiaz Ahmed (2009). Studies on the optimum dietary protein requirement of *Macrobrachium dayanum* (Hendersen) larvae. *Journal of Aquatic Biology*, 24(2): 142-147. ISSN:0971-4232
- 50.** Seema Langer, S.K. Karlopio and **Yahya Bakhtiyar (2009)**. Effect of different feeds on the growth and survival of post larvae of freshwater prawn *M. rosenbergii* in Jammu. *National Journal of Life Sciences*, 6(2): 187-192. **UGC JOURNAL NO: 49176. ISSN: 0972-995X**
- 51.** Seema Langer, Archana Kumari, **Yahya Bakhtiyar** and Anshu Samyal (2009). Studies on the morphometry of *Macrobrachium dayanum* (Decapoda, Palaemonidae). *Biosciences Biotechnology Bioresearch Asia*, 6(1): 131-138. **UGC JOURNAL NO: 14878, ISSN: 0973-1245.**
52. Seema Langer and **Yahya Bakhtiyar (2008)**. The occurrence and description of male of *Daphnia similis* Claus. *Current World Environment*. Vol. 3(1): 289-294. ISSN: 0973-4929, Online ISSN: 2320-8031
- 53.** Seema Langer., Samyal, A. and **Yahya Bakhtiyar (2008)**. Studies on ovarian development of *Macrobrachium dayanum* (Hend.) in relation to Gonadosomatic index and Hepatosomatic index. *Biosciences Biotechnology Bioresearch Asia*, 5 (1): 289-294. **UGC JOURNAL NO: 14878, ISSN: 0973-1245**
54. Seema Langer., Monika Manhas and **Yahya Bakhtiyar (2008)**. Studies on the biochemical composition of *Macrobrachium dayanum* and *M. kistensis*. *Uttar Pradesh J. Zool.*, 28(2): 211-214. **UGC JOURNAL NO: 35497. ISSN: 0256-971X**
55. Seema Langer., Jan, N. and **Yahya Bakhtiyar (2007)**. Effect of some abiotic factors on zooplankton productivity in a subtropical pond in Jammu, India. *Current World Environment*,

2(1) 27-34. **DOI:** <http://dx.doi.org/10.12944/CWE.2.1.05>, ISSN: 0973-4929, Online ISSN: 2320-8031

56. Seema Langer, Sushma Khajuria and **Yahya Bakhtiyar (2004)**. Studies on the preferential feeding behavior of larvae of *Labeo rohita* (Hamilton), *Applied Fisheries and Aquaculture*, IV(2): 38-41.

57. Seema Langer, Tajinder Kour and **Yahya Bakhtiyar (2004)**. Studies on the effect of varying levels of dietary protein on growth and survival of freshwater prawn *Macrobrachium dayanum*. *J. Aqua Biol.*, 19(1): 187-191. ISSN: 0971-4235.

BOOKS/BOOK CHAPTERS

1. **Yahya Bakhtiyar (2026)**. Recent Advances in Fish Nutrition: Bridging Knowledge Gaps in Aquaculture Productivity. SCIENCE PUBLISHERS (An Imprint of CRC Press/ Taylor & Francis Group)
2. Fida Hussain, Sinan Nissar, Shaista Javaid, Niyaz Ali Khan, Mohammad Yasir Arafat, Hamid Iqbal Tak and **Yahya Bakhtiyar (2025)**. Role of Probiotics in Aquaculture Industry: A Review In: Global Environment Challenges and Solutions (Eds. Fayaz Ahmad, Kamal Jaiswal, Ibraq Khurshid and Sinan Nissar) Jaya publishing House New Delhi ISBN: 978-93-56513-??-? Pages
3. Umer Maqbool, Sinan Nissar, Tabasum Yousuf, Mohammad Yasir Arafat, Abrar Ahmad Bhat, Saima Andrabi and **Yahya Bakhtiyar (2025)**. Survival Mechanism of Fishes in Freezing Environmental Conditions: A Mini Review In: Global Environment Challenges and Solutions (Eds. Fayaz Ahmad, Kamal Jaiswal, Ibraq Khurshid and Sinan Nissar) Jaya publishing House New Delhi ISBN: 978-93-56513-??-?
4. Saima Andrabi, Tabasum Yousuf, Sinan Nissar, Nisha Rafiq, **Yahya Bakhtiyar (2025)**. Different Methods of Age Determination in Fishes. In: Trends in Life Sciences (Eds Hundal SS and Singh J) Rubicon Publications, London. Pages 277-299. ISBN: 978-1-80433-910-7
5. Abrar Ahmad Bhat, Sinan Nissar, Mohammad Yasir Arafat, Shaista Javaid, Adil Rasheed, **Yahya Bakhtiyar (2025)**. Basic Principles and Approaches for Fish Population Studies In: Trends in Life Sciences (Eds Hundal SS and Singh J), Rubicon Publications, London Pages 251-276. ISBN: 978-1-80433-910-7
6. **Yahya Bakhtiyar**, Tabasum Yousuf and Mohammad Yasir Arafat (2022). Bacterial Gill Disease and Aquatic Pollution: A Serious Concern for the Aquaculture Industry In: Bacterial Fish Diseases

Edited (Eds: Dar GH, Bhat RA, Qadri, H, Al-Ghamdy KM, Hakeem KR) Academic Press, Elsevier. Paperback **ISBN:** 9780323856249. Published: March 24, 2022

7. Zahoor Ahmad Mir, Mohammad Yasir Arafat, **Yahya Bakhtiyar (2021)**. Benthic Macroinvertebrates as Bioindicators of Water Quality in Freshwater Bodies In: Freshwater Pollution and Aquatic Ecosystems Environmental Impact and Sustainable Management, 166-184pp Apple Academic Press. Editors: Gowhar Hamid Dar, Khalid Rehman Hakeem, Mohammad Aneesul Mehmood, Humaira Qadri, **_Hard ISBN:** 9781771889582 **E-Book ISBN:** 9781003130116 **Pages:** 388pp. **Pub Date:** December 2021
8. **Yahya Bakhtiyar**, Mohammad Yasir Arafat, Saima Andrabi and Hamid Iqbal Tak (2020). Zooplankton: The significant Ecosystem Service Provider in Aquatic Environment”In: Bioremediation and Biotechnology, Vol:03 (Eds. Bhat, R.A., Hakeem, K.R. and Najla Bint Al Saud Al Saud) Springer Nature Switzerland. ISBN: 978-3-030-46075-4. **DOI:** <https://doi.org/10.1007/978-3-030-46075-4>
9. **Yahya Bakhtiyar** (2019) As Executive Editor Edited Zoological Society Bulletin 2018-2019 Volume 2 PP 180.
10. Fayaz Ahmad and **Yahya Bakhtiyar** (20 19). Horizons in Zoological Studies. Book published by the Department of Zoology pp 227. ISBN: 978-93-5351-851-6
11. **Yahya Bakhtiyar**, Saima Andrabi and M. Yasir Arafat and Hamid Iqbal Tak (2019). Plastic Pollution and its Impact on Aquatic Fauna In: Handbook of Research on Environmental and Human Health. (Eds. Ahmad et al.) ISBN13: 9781522594529 | ISBN10 1522594523
12. **Yahya Bakhtiyar**, Saima Andrabi and M. Yasir Arafat (2019). Possible Effects of Climate Change on Fish fauna: a short Communication. In Recent Trends in Aquatic Biology (Ed., Sharma *et al.*), pp1-13. ISBN: 9788170196280. Today and Tomorrow's Printers and Publishers, New Delhi
13. Hamid Iqbal Tak, Akhtar Inam, **Yahya Bakhtiyar** and Arif Inam (2012) "Effluent quality parameters for safe use in agriculture" In: Water Quality, Soil and Managing Irrigation of Crops Edited by Teang Shui Lee Published: March 28th 2012, DOI: 10.5772/2489. ISBN: 978-953-51-0426-1, eBook (PDF) ISBN: 978-953-51-5261-3, Copyright year: 2012

ARTICLES/NEWSLETTERS

1. Seema Langer and **Yahya Bakhtiyar. (2005)**. Bioenrichment and its application in Aquahatcheries. *Popular Science Magazine* Vol. 6.

2. **Yahya Bakhtiyar**, Niyaz Ali Khan and Sinan Nissar (2022) Grass carp: a model organism for biocontrol of aquatic weeds. ENVIS Newsletter on Himalayan Ecology Vol. 19(4), 8-9
3. **Yahya Bakhtiyar** and Sinan Nissar (2022). Integrated multi-trophic aquaculture: A leap towards sustainable aquaculture ENVIS Newsletter on Himalayan Ecology Vol. 19(4), 9-10

NUMBER OF ABSTRACTS PUBLISHED: 74

INVITED LECTURES/SESSION CHAIR: 22

1. Delivered an invited talk on the topic “ **Population Biology, Invasive Dynamics, and Management Implications of Common Carp (*Cyprinus carpio*) in Kashmir's Himalayan Lakes**” at National Conference on Innovations in Animal Sciences: Integrating Conservation, Climate Resilience and Public Health Perspectives, organized by the Department of Zoology, Jammu University Feb 12-13
2. Delivered a lecture on the topic “**Aquaculture Criteria and Practices: Role of Aquaculture in Human Nutrition**” in 90th Guru Dakshta Faculty Induction Programme (FIP) organized by UGC Malvaviya Mission Teacher Training Centre, University of Kashmir Srinagar conducted from 7th October to 7th November 2024 on 4th November 2024.
3. Delivered a lecture on the topic “**Role of Genes and Environment in the development of behaviour in animals**” in 90th Guru Dakshta Faculty Induction Programme (FIP) organized by UGC Malvaviya Mission Teacher Training Centre, University of Kashmir Srinagar conducted from 7th October to 4th November 2024 on 2nd November 2024.
4. Delivered an invited talk on the topic “**Comparative analysis of aquatic habitats evaluating an optimal dwelling for *Cyprinus carpio* between Manasbal Lake and Dal Lake**” organized by the department of Zoology, Central University of Jammu, March 1-2, 2024.
5. Delivered an invited talk on the topic “**Concept of Habitat and Niche**” in National Webinar on Biodiversity: Collection and evaluation 28-29 November, 2023 organized by the Department of Environmental Sciences and Limnology, Barkatullah University Bhopal.
6. Chaired a session in 3-Day National Seminar on the theme 3-Day National Conference on the theme “**Changing Course in Global Environment: Challenges and Solutions**” on the eve of World Environment Day 2023 & 34th All India Congress of Zoology (34th AICZ) organized by Department of Environmental Science in collaboration with Zoological Society of India, Gaya at University of Kashmir w.e.f. 5 to 7 June 2023.

7. Delivered an invited talk on the topic "Unraveling the profound effects of water quality on aquatic ecosystems and fish fauna of Kashmir Himalayas" in **3-Day National Workshop on the theme "Biodiversity and Conservation in the Himalayan Region"** organized by Department of Zoology & Mountain Research Institute University of Ladakh from 25 to 27 September 2023.
8. Delivered an invited talk on the topic "**Water quality assessment and monitoring: A case study of some streams of Kashmir Himalayas**" in seven-day workshop cum training programme on "**Water Quality Management: A Practical Approach**" Organized by Division of Aquatic Environmental Management Faculty of Fisheries, SKUAST Kashmir on 21-09-2023.
9. Delivered an invited talk on the topic "Fish Conservation for Sustainable Ecosystem need and measures" in seven-day workshop cum training programme on **Fishing Technologies for Sustainable Fisheries** organized by Division of Fishery Engineering, Faculty of Fisheries SKUAST-K on 04-08-2023.
10. Delivered Keynote lecture on the topic "**Lake restoration: An approach for the sustainable development of waterbodies**" in the International Conference on "Sustainable development goals for environment conservation management (ICSDGEC-2023)" organized by Raj Rishi Govt. Autonomous College, Alwar, Rajasthan from 12th -14th July 2023.
11. Delivered Keynote lecture on the topic "**Fish Conservation need and measures**" International Short-Term Training Programme-8 on the theme **Biodiversity and Environment conservation** organized by Raj Rishi Govt. Autonomous College, Alwar, Rajasthan from 09th-15th March 2023.
12. Delivered Keynote lecture on the topic "**Integrated multitrophic aquaculture: A step towards sustainable aquaculture**" in the **108th** Indian Science Congress organized by R.T.M. Nagpur University, Nagpur, Maharashtra, India 3rd to 7th January 2023.
13. Delivered Keynote lecture on the topic "**Integrated Multitrophic Aquaculture: The future of Aquaculture**" in the International Conference on "Multidisciplinary Approach Towards Sustainable Development and Climate Change for Viable Future (ICMSDC-2022)" organized by Raj Rishi Govt. Autonomous College, Alwar, Rajasthan from 12th -14th August 2022.
14. Delivered invite lecture on the topic "**Forage fishes as an important component of the aquatic ecosystem**" in the **33rd** All India Congress of Zoology (AICZ) and National Seminar on "Emerging Trends in Biological Sciences in the light of Environmental Degradation and life sustainability" organized by the Department of Zoology, Pandit S.N. Shukla University, Shahdol, Madhya Pradesh in collaboration with the Zoological Society of India from August 10 to 12, 2022.

15. Delivered Keynote address on the topic **“Inland Fisheries Conservation for Achievement of Sustainable Development Goals”** International Short-Term Training Programme-3 on **“Contrivance of Sustainable Development Goals (SDGs) for Environmental Conservation”** organized by Raj Rishi Govt. Autonomous College from 24th -30th June 2022.
16. Delivered Keynote address on the topic **“Impact of Plastic Pollution on Aquatic Fauna”** in the International Short-Term Training Programme-2 on Impact and Panacea of Environmental Pollution: The past, present and Future organized by Department of Zoology Raj Rishi Govt. Autonomous College, Alwar -301001, Rajasthan from 20th to 26th April 2022.
17. Delivered Keynote address on the topic **“Benthic macroinvertebrates as a powerful tool for assessing the ecotoxicological impacts in the freshwater ecosystems”** in the International Short-Term Training Programme-1 on recent advances in Environmental toxicology and Wildlife Conservation organized by Department of Zoology Raj Rishi Govt. Autonomous College, Alwar - 301001, Rajasthan from 22nd to 28th March 2022.
18. Delivered Keynote address on the topic **“Climate Change and aquatic communities: Concern, Impact and Mitigation”** in International Conference on Multidisciplinary Aspects of Environment and Sustainable Development after Covid-19 Pandemic Four Day Conference- 15th-18th December 2021 organized by Department of Zoology Raj Rishi Govt. Autonomous College, Alwar - 301001, Rajasthan.
19. Delivered two invited lectures and conducted two practical sessions on **“The Amazing Higher Invertebrates and diverse Fishes”** during One-week Workshop on **“Diversity in Animal Kingdom”** and Tour to the Museum of Zoology, University of Kashmir organized jointly by Department of Zoology, University of Kashmir and GDC Bijbehara for undergraduate students from 20th of September to 26th of September 2021.
20. Delivered an invited talk on **“Ichthyofaunal diversity and conservation measures”** in UT level E-workshop on: Biodiversity: Status and Future prospects organized by the Govt. Degree College Bijbehara, w.e.f. 21-23 December 2020.
21. Delivered an invited lecture as Guest Speaker on **“Concept of Habitat and Niche”** held on 19.05.2020 in three-day online lecture series i.e., from 18-20 May, 2020 by the Department of Environmental Sciences and Limnology, Barkatullah University, Bhopal.
22. Delivered an invited talk **“Climate change and fish community: Impact, changing scenario and management”** on the eve of national conference Fisheries and Climate Strategies, Challenges and

sustainable management organized by Division of Aquaculture Engineering, faculty of Fisheries, SKUAST-K Shalimar, w.e.f. 18-19 July 2019.

23. Delivered an invited talk on “Climate change and its impact on fisheries” in the National Conference on Climate Change and Human Health: Issues Concerns and Opportunities organized by the Department of Zoology and Environmental Sciences, Govt. Degree College Bijbehara, w.e.f. 8-9 October 2018.
24. Delivered **Lecture** in **Seven days science exhibition** for school children organized by Wadia museum of natural History, University of Jammu in association with National Council for science and technology and innovation council on 25th February 2016.

SYMPOSIUMS / CONFERENCES / WORKSHOPS ATTENDED:

1. Participated in 3-Day National Workshop on the theme **“Biodiversity and Conservation in the Himalayan Region”** organized by Department of Zoology & Mountain Research Institute University of Ladakh from 25 to 27 September 2023.
2. Participated in 3-Day National Seminar on the theme 3-Day National Conference on the theme **“Changing Course in Global Environment: Challenges and Solutions”** on the eve of World Environment Day 2023 & 34th All India Congress of Zoology (34th AICZ) organized by Department of Environmental Science in collaboration with Zoological Society of India, Gaya at University of Kashmir w.e.f. 5 to 7 June 2023.
3. Participated in the International Conference on **“Multidisciplinary Approach Towards Sustainable Development and Climate Change for Viable Future (ICMSDC-2022)”** organized by Raj Rishi Govt. Autonomous College Alwar from 12th -14th August 2022.
4. **Participated in the 33rd All India Congress of Zoology (AICZ) and National Seminar on “Emerging Trends in Biological Sciences in the light of Environmental Degradation and life sustainability”** organized by the Department of Zoology, Pandit S.N. Shukla University, Shahdol, Madhya Pradesh in collaboration with the Zoological Society of India from August 10 to 12, 2022.
5. Participated in the International Short-Term Training Programme-3 on Contrivance of sustainable development Goals (SDGs) for environmental conservation organized by Department of Zoology Raj Rishi Govt. Autonomous College, Alwar -301001, Rajasthan from 24th to 30th June 2022.

6. Participated in the International Short-Term Training Programme-2 on Impact and Panacea of Environmental Pollution: The past, present and Future organized by Department of Zoology Raj Rishi Govt. Autonomous College, Alwar -301001, Rajasthan from 20th to 26th April 2022.
7. Participated in the International Short-Term Training Programme-1 on recent advances in Environmental toxicology and Wildlife Conservation organized by Department of Zoology Raj Rishi Govt. Autonomous College, Alwar -301001, Rajasthan from 22nd to 28th March 2022.
8. Participated and presented the paper entitled “Basic reproductive features of *Schizothorax labiatus* inhabiting Vishav stream of Kashmir Himalaya, India at international conference on Advanced Biology 2022 held from 23rd to 25th February 2022 organized by Inter university centre for Evolutionary and integrative Biology, University of Kerala, Kariavattom, Thiruvananthapuram.
9. Participated in International Conference on Multidisciplinary Aspects of Environment and Sustainable Development after Covid-19 Pandemic Four Day Conference- 15th-18th December 2021 organized by Department of Zoology Raj Rishi Govt. Autonomous College, Alwar -301001, Rajasthan.
10. Participated and **presented paper** entitled “Growth pattern, condition factor and some biological aspects of two varieties of *Cyprinus carpio* from Dal lake, Kashmir, India” in The Progress International Conference II on **2nd August 2021** on visual platform organized by ISBM University, Nawapara (Kosmi), Chhura, Gariyaband-Chhatisgarh.
11. Attended in one Day National Webinar on “Zoological Studies and Human Welfare” **on 14th July, 2021** Organized BY Department of Zoology, Govt Degree College for Women Baramulla In Collaboration with Department of Environmental Science, University of Kashmir.
12. Attended three days online UT level workshop on “Biodiversity: Status and Future Prospects” Organized by Department of Zoology and Botany, GDC Bijbehara w.e.f. **21-12-20 to 23-12-20**.
13. Participated in webinar “Sustainable Aquaculture Towards Ocean Conservation” **18 December 2020** organized by Institution of Aquaculture Singapore.
14. 4th National Fisheries Biotechnology Symposium (NFBS) Fisheries Biotechnology Centre Phillipines 23-11-2020 to 27-11-2020
15. Attended National Webinar on “The Challenges Opportunities and prospects of Cage Culture as alternative Livelihood “to celebrate World Conservation Day organized by West Bengal University of Animal and Fishery Sciences, Faculty of Fishery Sciences, Kolkata, West Bengal on 28th July 2020.

16. Attended one day online seminar on theme “Time for Nature: Explore Nature with Iconic Spots” organized by Department of Environmental Science University of Kashmir, Srinagar on the eve of observance of World Environment Day 2020 on 8th June, 2020.
17. Attended International Day of Biodiversity online webinar conducted by Biotechnica on 22-05-2020.
18. Attended 7-days international workshop on Research and Methodology-2020 (WORAM-2020) from 05-04-2020 to 11-04-2020 organized by Eudoxia Research Centre, Guwathi, India
19. Presented a paper “Age and Growth in Fishes: its utility in Fish Ecology and management” in 2-day national conference “One Health and ecosystem services” organized by the Academy of Environmental Biology and National Bureau of Fish Genetic Resources at NBFGR Lucknow w.e.f. 29th to 30th November 2019.
20. Delivered an invited talk “**Climate change and fish community: Impact, changing scenario and management**” on the eve of national conference Fisheries and Climate Strategies, Challenges and sustainable management organized by Division of Aquaculture Engineering, faculty of Fisheries, SKUAST-K Shalimar, w.e.f. 18-19 July **2019**.
21. Chaired a session and presented a paper “Climate change and its impact on fisheries” in National Conference on Climate Change and Human Health: Issues Concerns and Opportunities organized by the Department of Zoology and Environmental Sciences, Govt. Degree College Bijbehara, w.e.f. 8-9 October **2018**.
22. Chaired a session and presented a paper “Importance of fish population studies: Management perspective” in Animal Science Congress: Horizons in Zoological Studies held at the Department of Zoology, University of Kashmir w.e.f. 4-6 August **2018**.
23. Presented a paper entitled “Preliminary studies on the studies on the length weight relationship and condition factor of *Schizothorax labiatus* (Mc Clelland, 1842) from Vishav stream of South Kashmir, India” in 1st international Conference on Recent Developments in Science, Humanities and Management-2018 held on 17-18 April **2018** at Amar Singh College, Cluster university, Srinagar.
24. Chaired a session and Presented a paper entitled “Studies on the yolk consumption and initiation of feeding in case of *Labeo rohita* under laboratory conditions” in 13th JK Science Congress organized by University of Kashmir in collaboration with J&K state S&T council from 2nd-4th April 2018.

25. Attended the Author Workshop on “Scholarly Writing & Intellectual Ethics” jointly organized by University of Kashmir and Elsevier October 25th, 2017.
26. Presented a paper in national seminar on Himalayan Biodiversity, Characterization and bioprospection for sustainable utilization, entitled “Comparative account on the growth and nutritional status of *Macrobrachium dayanum* and *Labeo rohita* fed natural and artificial food under controlled conditions”. Organized by centre for Kashmir Himalayan Biodiversity: Documentation, Bioprospection and Conservation University of Kashmir, from 18-09-2017 to 19-09-2017.
27. Presented a paper in International conference on tourism on Recovery marketing strategies for tourist destinations in conflict situations ‘entitled “Sport Fisheries: A promising component for tourism development in Jammu and Kashmir. Organized by the Department of tourism studies, Central University of Kashmir in collaboration with ITHC and CIBS and sponsored by the Ministry of Tourism, Govt. of India at CIBS Leh from 08-09-2017 to 09-09-2017.
28. Presented a paper entitled “Comparative account of growth and survival of *Macrobrachium rosenbergii* in mono and polyculture conditions in earthen culture ponds of Jammu” in national seminar on emerging trend and challenges in biodiversity conservation, under UGC-SAP, organized by Department of Zoology, University of Jammu from March 28—29, 2017.
29. Presented a paper in National Seminar on Environmental Pollution: Join the race to make the world a better place, on “Parasitic infestation of *Schizothorax niger* (Heckel, 1838) from river Jhelum, Kashmir” organized by the Department of Environmental Science and Centre of Research for Development, University of Kashmir, from 04-06-2016 to 05-06-2016.
30. Presented a paper (poster) in "National symposium on Biodiversity, biology and Bioprospecting", on "Studies on the preferred food of two smaller size groups of *Labeo rohita* from Gho-Manhasa fish ponds, Jammu.", organized by Department of Botany, University of Kashmir, from 01-04-2015 to 02-04-2015
31. Presented a paper (oral) in "11th JK Science Congress. Scientific, Social & Economic Dimensions of Climate Change", on "Studies on the Seasonal variation in the Nutritional status of adult *Macrobrachium dayanum* (Henderson), a local freshwater Prawn of Jammu" organized by University of Kashmir, from 12-10-2015 to 14-10-2015
32. Participated in 101st Indian Science Congress held at University of Jammu, from February 3-7, 2014.

33. Presented a paper on “Studies on food and feeding habits of *Macrobrachium dayanum* during different seasons of a year from Jammu” in national Conference on “Status and Conservation of Biodiversity in India, with Special Reference to Himalaya” celebrated on October 4–5, 2013 in collaboration with Indian Academy of Environmental Sciences, Haridwar at University of Kashmir.
34. Participated in 9th JK Science Congress 2013 & Regional Science Congress, 2013 held at university of Kashmir from October 1-3, 2013.
35. Presented a paper entitled “Studies on the seasonal variation in proximate body composition of female *Macrobrachium dayanum* (Hend.) a local freshwater prawn of Jammu, North India”. in International Bio conference and event “Exploit current research for harnessing the field of life sciences” organized by bright international conferences and events, at Leonia international convention centre, Hyderabad India. (12-13 Dec 2012).
36. Presented a paper entitled “The diet of *Labeo rohita* (Hamilton) during different seasons of a year from Gho-Manhasa fish pond Jammu” in national conference on “Environmental issues and challenges-the Himalayan Perspective” organized by Institute of mountain environment Bhadarwah campus, university of Jammu. (4th of Oct to 5th of Oct 2012).
37. Participated in 7th JK Science Congress, Science for Society. Organized by Department of Science and Technology Jammu and Kashmir Govt. University of Jammu. (13th Oct. to 15th Oct. 2011).
38. Participated in Poster presentation in National Symposium on “Impact of Trends in Climate Change on Biodiversity and Faunistic Systems” held at Department of Zoology and Environmental Sciences, Gurukul Kangri Vishwavidyalaya, Haridwar. (19th Feb. to 20th Feb. 2010).
39. Presented a Paper “Studies on the food preferences of *Macrobrachium dayanum* fed live feed under laboratory conditions” in 5th JK Science Congress, Science for Society. Organized by Department of Science and Technology Jammu and Kashmir Govt. University of Jammu. (8th Feb. to 10th Feb. 2010).
40. Attended 20th All India Congress of Zoology, National seminar on “Bio-resources And Its Management for Food, Livelihood and Environmental Security and National Helminthological Congress. CIFE, Mumbai, (29th Dec. to 31st Dec. 2009).
41. Attended the Orientation Programme in Biotechnology at P.G. Department of Biotechnology, University of Jammu, Jammu, organized by the State Institute of Education. (w.e.f. 15th Jan. to 20th Jan. 2009).

42. Participated in paper presentation “Effect of delayed first feeding on the larvae of *Labeo rohita* (Ham) and *Macrobrachium dayanum* (Hend.)” in 3rd J&K Science Congress, University of Jammu, Jammu and Kashmir, 180006. (26th Feb. to 28th Feb. 2008).
43. Participated in paper presentation in international symposium on “Current Issues in Zoology and Environmental Sciences” organized by Department of Zoology (Environmental Science) and Biotechnology. DDU Gorakhpur University Gorakhpur, Haridwar, U.A. 249404. (11th Nov to 13th Nov. 2006).
44. Participated in the workshop on “Fisheries and Aquaculture in Indus Region Conservation, Management and Development of Indigenous Fish Fauna” Organized by Indian Society of Fisheries Professionals, held at PAU Campus, Ludhiana. (21st Dec -22nd Dec 2005)
45. Attended 1st J&K Science Congress held at University of Jammu. (7th Feb. to 9th Feb. 2005).
46. Participated in Third Indian Fisheries Science Congress Organized by Indian Society of Fisheries Professionals held at IARI Auditorium, Pusa, New Delhi (4th Nov. to 6th Nov 2004).
47. Attended 15th All India Congress of Zoology and National Symposium on “Status of Cold-Water Fisheries with Reference to Fragile Himalayan Aquatic Ecosystems” held at P.G Department of Zoology, University Of Jammu, Jammu. (29 Oct. to 31st Oct. 2004).
48. Participated in Poster Presentation entitle “Studies on early life history stages of *Macrobrachium dayanum* (Hend)” in International Workshop Organized by NESO on “Recent Trends in Environmental Sciences” held at Jamia Hamdard, New Delhi. (24th April to 26th April 2004).
49. Participated in Seminar Cum Training Programme on Electron Microscopy jointly organized by Department of Zoology, Kurukshetra University, Kurukshetra and SAIF, Punjab University, Chandigarh. (29 Jan to 31st Jan 2004).
50. Attended National Seminar on Interdisciplinary Approaches in Zoological Research. (29 Sep to 1st Oct 2003).
51. Attended two days teacher training Workshop organized by J&K State Pollution Control Board. (11th of Feb. 2003).
52. Attended XXVIII Annual Conference of Indian Society of Human Genetic Human genome & Genetic Disorders. (7th Feb to 9th Feb. 2003).

MSc. Dissertation students guided: 55

Research Supervision

| Sr. no | Name of the student and Course | Title of Research | Date of registration | Date of submission/A ward |
|----------------------|---|--|----------------------|---------------------------|
| Ph.D. Awarded | | | | |
| 1. | Mohammad Yasir Arafat | Ichthyofauna of Vishav Stream with special reference to bioecology of <i>Schizothorax labiatus</i> (Mc Clelland, 1842) | 14-03-2016 | 05-04-2021 |
| 2. | Saima Andrabi | Studies on demography and management of <i>Cyprinus carpio</i> L. in Manasbal Lake, Kashmir | 26-08-2017 | 18-05-2022 |
| 3. | Zahoor Ahmad Mir | Taxonomy and ecology of microbenthic invertebrates in Aripal and Watalara streams of Kashmir valley | 26-08-2017 | 18-07-2022 |
| 4. | Maqsooda Akhtar (Part-Time) | Influence of macrophytes on spatial distribution of littoral zooplankton in interconnected fresh water lakes of Kashmir | 11-01-2019 | 18-12-2023 |
| 5. | Abrar Ahmad Bhat | Fish diversity and some aspects of biology of <i>Cyprinus carpio</i> (Linnaeus, 1758) from Dal Lake Kashmir | 26-08-2017 | 18-01-2024 |
| 6. | Tabasum Yousuf | Population dynamics of <i>Schizothorax</i> species from Manasbal Lake, Kashmir | 28-12-2018 | 18-04-2024 |
| 7. | Sinan Nissar | Population biology of <i>Pethia conchoni</i> (Hamilton) and <i>Crossocheilus diplochilus</i> (Heckel) in Dal Lake, Kashmir | 31-12-2018 | 18-04-2024 |
| Undergoing | | | | |
| 8. | Niyaz Ali Khan (I-Ph.D. 2019) | Taxonomy and phylogenetic assessment of aquatic annelids from | 17-01-2020 | Submission |

| | | water bodies of Kashmir valley | | Phase |
|-----|---|---|------------|-------------------------|
| 9. | Shaista Javaid (I-Ph.D. 2020) 61292-W-2012 | Fisheries of Anchar Lake with special reference to its ecology and population biology | 07-09-2021 | Submission Phase |
| 10. | Nisha Rafiq | | 02-07-2024 | Ongoing |
| 11. | Adil Rasheed | | 16-07-2024 | Ongoing |
| 12. | Shahwan Dahlani | | 12-02-2025 | Ongoing |
| 13. | Shafiya Mushtaq | | 03-03-2025 | Ongoing |

EXTRA CURRICULAR ACTIVITIES

- Played cricket, volley ball, foot ball at college level and District level.
- Knowledge of Computer:
- MS-word, MS-Excel, Mini Tab, SPSS.
- Languages: English, Hindi, Urdu, Arabic, Kashmiri.

Dr. Yahya Bakhtiyar