

Curriculum Vitae

Dr. Aafaq Nazir

Assistant Professor

Cluster University of Srinagar, India

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Teaching and Research Experience

- Assistant Professor (Zoology)** May 2025 – Present
Cluster University of Srinagar, India
 - JSPS Postdoctoral Fellow** November 2024 – May 2025
The University of Tokyo, Japan
Funded by Japan Society for the Promotion of Science (JSPS), Japan
 - Postdoctoral Fellow** October 2022 – October 2024
National Taiwan University, Taiwan
Funded by the National Science and Technology Council of Taiwan
 - Postdoctoral Research Associate** March 2021 – August 2022
Indian Institute of Science, Bengaluru, India
Funded by the Ministry of Earth Sciences of India
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Academic Experience

- Member of Board of Studies (B.O.S.)**
Department of Zoology, Cluster University of Srinagar, India
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Education

- Ph.D. in Zoology** April 2013 – July 2019
Aligarh Muslim University, India
Funded by the Department of Science and Technology of India
- M.Sc. in Zoology** August 2010 – August 2012
Aligarh Muslim University, India
- B.Ed.** March 2009 – July 2010
University of Kashmir, India
- B.Sc.** March 2006 – February 2009
University of Kashmir, India
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Research Interests

- Fish habitat, trophic, and movement ecology

- Fish population dynamics and genetics
- Otolith and shell microchemistry

Publications

1. Lin, C. H., Lin, T. Y., Nazir, A., Wang, Y. C., Wang, P. L., Iizuka, Y., Li, K. T., Chung, M. T., Shiao, J. C., (2025). Evidence of lower age, fast growth, and shrinking habitat in critically endangered croaker fish *Larimichthys crocea*. *Estuarine, Coastal and Shelf Science*, 313, 109095 <https://doi.org/10.1016/j.ecss.2024.109095>
2. Nazir, A., Lin, T. H., Kuo, T. H., Shirai, K., Wang, P. L., & Shiao, J. C. (2024). Seasonal distribution and population genetic structure of *Pseneopsis anomala* (Japanese butterflyfish) inferred from otolith oxygen isotope ratios and mitochondrial DNA. *Estuarine, Coastal and Shelf Science*, 309, 108974. <https://doi.org/10.1016/j.ecss.2024.108974>
3. Lai, C. F., Nazir, A., Liu, T. Y., Tseng, Y. C., Iizuka, Y., & Shiao, J. C. (2024). Growth Rate in Cultured Crustose Coralline Algae of the Genus *Phymatolithon* and *Sporolithon* from Taiwan. *Marine Ecology*, 45, e12839. <https://doi.org/10.1111/maec.12839>
4. Chen, T. Y., Nazir, A., H. C., Lim, Shiao, J. C. (2024). Genetic diversity and population structure of cultured and wild barramundi *Lates calcarifer* (Latidae) in Taiwan. *Journal of Ichthyology*, 64, 842-853. <https://doi.org/10.1134/S0032945224700450>
5. Nazir, A., Lai, C.F., Wang, S.W., Lin, S.M., Li, H.C., Chung, M.T., Wang, P.L., Tseng, Y.C., & Shiao, J.C. (2024). Anthropogenic nitrogen pollution inferred by stable isotope records of crustose coralline algae. *Marine Pollution Bulletin*, 198, 115839. <https://doi.org/10.1016/j.marpolbul.2023.115839>
6. Chung, M.T., Peng, Y.Y., Nazir, A., Wang, Y.C., Wang, P.L., & Shiao, J.C. (2023). Species specific trophic enrichment factor of stable nitrogen and carbon isotopes in fish otolith organic matter. *Marine and Freshwater Research*, 74(11), 956-968. <https://doi.org/10.1071/MF23022>
7. Banday, U. Z., Nazir, A., Fatima, M., Swaleh, S. B., Al-asadi, M., & Usmani, N. (2023). Heavy metal-induced genotoxic, physiological, and biochemical responses in *Schizothorax esocinus* (Heckel 1838) inhabiting the Dal Lake, India, and phytoremediation by indwelling plants. *Environmental Science and Pollution Research*, 30, 65688-65701. <https://doi.org/10.1007/s11356-023-27064-4>
8. Nazir, A., Chen, T. Y., Wang, P. L., Shiao, J. C. (2023) Reconstructing habitat use, identifying origin and discrimination of the barramundi (wild and farmed) populations using otolith stable isotope analysis. *Estuarine, Coastal and Shelf Science*, 285, 108317. <https://doi.org/10.1016/j.ecss.2023.108317>
9. Nazir, A., Ghosh, P., Sakthivel, T., & Khan, M. A. (2023) Stable isotopic analysis of long-whiskered catfish (*Sperata aor*) otoliths for characterization of their habitat and relationship with water temperature in the Ganges River. *Current Chinese Science*, 3(1), 57-66. <https://doi.org/10.2174/2210298102666220909110222>
10. Nazir, A., Khan, M. A., & Ghosh, P. (2022) Assessment of variations in metal concentrations of the Ganges River water by using multivariate statistical techniques. *Limnologia*, 95, 125989. <https://doi.org/10.1016/j.limno.2022.125989>
11. Ghosh, P., Rajawat, V. S., Nazir, A., Banerjee, Y., Nath, A. K., & Sakthivel, T. (2022) Stable isotope on hilsa shad (*Tenualosa ilisha*) otoliths revealed migratory behavior of a population found

- in Hooghly River, West Bengal, India. *Environmental Biology of Fishes*, 105, 1909-1918. <https://doi.org/10.1007/s10641-022-01215-x>
12. Nazir, A., & Khan, M. A. (2021) Using otoliths for fish stock discrimination: status and challenges. *Acta Ichthyologica et Piscatoria*, 51(2), 199-218. <https://doi.org/10.3897/aiep.51.64166>
 13. Nazir, A., & Khan, M. A. (2020) Stock-specific assessment of precise age and growth in the long-whiskered catfish *Sperata aor* from the Ganges River. *Marine and Freshwater Research*, 71(12), 1693-1701. <https://doi.org/10.1071/MF19315>
 14. Nazir, A., & Khan, M. A. (2019) Spatial and temporal variation in otolith chemistry and its relationship with water chemistry: Stock discrimination of *Sperata aor*. *Ecology of Freshwater Fish*, 28(3), 499-511. <https://doi.org/10.1111/eff.12471>
 15. Khan, M. A., & Nazir, A. (2019) Stock delineation of the long-whiskered catfish, *Sperata aor* (Hamilton 1822), from River Ganga by using morphometrics. *Marine and Freshwater Research*, 70(1), 107-113. <https://doi.org/10.1071/MF17306>
 16. Nazir, A., & Khan, M. A. (2019) Using otolith weight to predict the age of different stocks of *Sperata aor* (Siluriformes: Bagridae) from the River Ganga. *Revista de Biología Tropical*, 67(3), 534-540. <https://doi.org/10.15517/rbt.v67i3.33985>
 17. Nazir, A., & Khan, M. A. (2019) Relationships between fish length, otolith size and otolith weight in *Sperata aor* (Bagridae) and *Labeo bata* (Cyprinidae) from the Ganga River, India. *Zoology and Ecology*, 29(2), 93-98. <https://doi.org/10.1080/21658005.2019.2.3>
 18. Khan, M. A., Nazir, A., & Banday, U. Z. (2018) Utility of otolith weight to estimate age of *Labeo bata* inhabiting river Ganga. *Acta Ichthyologica et Piscatoria*, 48(3), 257-260. <https://doi.org/10.3750/AIEP/02342>
 19. Nazir, A., & Khan, M. A. (2017) Length-weight and length-length relationships of *Cirrhinus mrigala* (Cyprinidae) and *Xenentodon cancila* (Belontiidae) from the river Ganga. *Journal of Ichthyology*, 57(5), 787-790. <https://doi.org/10.1134/S0032945217050149>
 20. Nazir, A., & Khan, M. A. (2017) Stock discrimination of *Sperata aor* from river Ganga using microsatellite markers: implications for conservation and management. *Aquatic Living Resources*, 30, 33. <https://doi.org/10.1051/alr/2017033>
 21. Khan, M. A., Nazir, A., & Khan, S. (2016) Assessment of growth zones on whole and thin-sectioned otoliths in *Sperata aor* (Bagridae) inhabiting the river Ganga, India. *Journal of Ichthyology*, 56, 242-246. <https://doi.org/10.1134/S0032945216020041>

Conferences and Presentations

1. Presented a paper at the Taiwan-Japan Bilateral Symposium of Critical Marine Ecosystems 'Interdisciplinary Approaches for Understanding and Sustaining Diversity' held on 11th to 12th June 2024 in Marine Research Station, Institute of Cellular and Organismic Biology, Academia Sinica, Yilan County, Taiwan (Invited Talk)
2. Presented a paper at the 7th Asian Society of Ichthyologists International Conference-2024 on 'Exploring Species Diversity and Resilience of Asian Fishes in a Changing Environment' held on 28th to 29th May 2024 in Penang, Malaysia (Talk)
3. Keynote speech at Ocean Science Conference 2024 held on 23rd to 25th April 2024 in Hsinchu County, Taiwan (Talk)

4. Presented a paper at the 9th World Fisheries Congress on 'Fish and Fisheries at the Food-Water-Energy Nexus' held on 3rd to 7th March 2024 in Seattle, Washington, USA (Talk)
5. Keynote speech at Ocean Science Conference 2023 held on 2nd to 4th May 2023 in Taichung City, Taiwan (Talk)
6. Virtually attended 8th World Fisheries Congress 2021 held on 20th to 24th September 2021 in Adelaide, Australia
7. Presented a paper at the International Conference on 'Advances in Zoological Research and Workshop on Real-Time PCR' held on 9th to 10th March 2019 in the Department of Zoology, Aligarh Muslim University, Aligarh, India (Talk)
8. Presented a paper at the 7th World Fisheries Congress on 'Challenges to Sustainable Fisheries and Safe Seafoods' held from 23rd to 27th May 2016 in Busan, South Korea (Talk)
9. Presented a paper at the International Conference on 'Recent Advances in Chemical Sciences' held on 29th to 30th March 2016 in the Department of Chemistry, Aligarh Muslim University, Aligarh, India (Talk)
10. Presented a paper at the National Conference on 'Agriculture, Environment and Sustainable Development' held on 21st to 22nd March 2016 in the Department of Geography, Aligarh Muslim University, Aligarh, India (Talk)
11. Attended a workshop on 'Optical Microscopes' held on 9th March 2016 in the Department of Geology, Aligarh Muslim University, Aligarh, India
12. Presented a paper at the National Seminar on 'Biodiversity and Renewable Energy (BARE-2016)' held from 13th to 14th February 2016 in Baba Sahab Dr. B.R. Ambedkar College of Agricultural Engineering & Technology, Etawah, India (Talk)
13. Presented a paper at the 3rd Lucknow Science Congress, LUSCON-2015, and National Conference on 'Science for Society: An Interdisciplinary Approach' held from 31st October to 2nd November 2015 in Babasaheb Bhimrao Ambedkar University, Lucknow, India (Talk)
14. Presented a paper at the 26th All India Congress of Zoology and International Symposium on 'Innovation in Animal Sciences for Food Security, Health Security and Livelihood-2015' held from 29th to 31st October 2015 in Babasaheb Bhimrao Ambedkar University, Lucknow, India (Talk)
15. Presented a paper at the International Conference on 'Faunal biodiversity and their conservational strategies' held on 22nd to 23rd March 2014 in the Department of Zoology, University of Lucknow, Lucknow, India
16. Presented a paper at the National Seminar on 'Next generation sciences: vision 2020 and beyond' held on 8th March 2014 in M.D. University, Rohtak, India (Talk)
17. Attended a training Programme on 'DNA Barcoding and Molecular Taxonomy' held from 16th to 21st December 2013 in the National Bureau of Fish Genetic Resources, Kochi Unit, Kerala, India

Technical Skills

- Stable and clumped isotope and trace element analysis
- IRMS Gas Bench II, Kiel Carbonate IV system, customized Gas Chromatography, Vacuum Gas Line, Isomet low-speed saw (Buehler), Grinder-polisher (Buehler), Stereozoom Trinocular,

Thermal Cycler, NanoDrop Spectrophotometer, Capillary gel electrophoresis (QIAxcel Advanced System), Gel Documentation System

- DNA barcoding and genetic data interpretation
 - Statistical analysis
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Honors and Awards

1. **Southern Ocean Expedition** – Recommended by Expert Committee (2023)
 2. **Junior Scientist of the Year** – IFEE, Kolkata, and Confederation of Indian Universities, New Delhi, India (2017)
 3. **Syed Zahoor Qasim Gold Medal** – First rank in M.Sc. (F) Zoology, Aligarh Muslim University, India (2012)
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Fellowships and Grants

1. **JSPS Postdoctoral Fellowship** – Japan Society for the Promotion of Science, Japan (2024)
 2. **Bern Megrey Travel Award** – International Fisheries Section, American Fisheries Society, USA (2024)
 3. **International Travel Award** – 9th World Fisheries Congress, USA (2024)
 4. **Postdoctoral Fellowship** – National Science and Technology Council, Taiwan (2022)
 5. **Travel Grant** – International Fisheries Section, American Fisheries Society, USA (2021)
 6. **Netherlands Fellowship Programme (NFP)** – Ministry of Foreign Affairs, Netherlands (2017)
 7. **World Fisheries Congress Scholarship Programme** – 7th World Fisheries Congress, South Korea (2016)
 8. **Travel Grant** – Aligarh Muslim University, India (2016)
 9. **Project Fellowship** – Department of Science and Technology Funded Project (2013-2016)
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Professional Memberships

1. **American Fisheries Society** (USA)
 2. **Fisheries Society of the British Isles** (UK)
 3. **Asian Society of Ichthyologists** (Malaysia)
 4. **Bose Science Society** (India)
 5. **Institute of Fisheries Management** (UK)
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Editorial and Reviewing Roles

- **Editorial Board Member:** *Marine Ecology*, Wiley, USA

- **Reviewer for Journals:** *Chemosphere; Estuarine, Coastal and Shelf Science; Hydrobiologia; Fisheries Research; Journal of Sea Research; Aquacultural Engineering; Journal of Fish Biology; Marine and Freshwater Research; Scientific Reports; and others*
 - **Reviewer for Hutton Program-2025:** *Junior Fisheries Biology Internship* (2 months) sponsored by American Fisheries Society, USA
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Languages

- **English:** Excellent Proficiency
 - **Urdu:** Good
 - **Hindi & Kashmiri:** Spoken
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References

Available upon request.

Updated: November 2025