


Scientist Profile

Name	Parvaiz Ahmad Ganie	
Designation	Scientist	
Qualification	M.F. Sc (Aquatic Environmental Management)	
Email Address	Parvaiz.ganie@icar.gov.in ; parvaizahmad12@gmail.com	
Professional experience (Years)	Six (06) years	
Area of Research Expertise	Fisheries Resource Management, GIS and Remote sensing	
Google scholar link	https://scholar.google.com/citations?user=woiRY-0AAAAJ&hl=en	
ORCID ID	https://orcid.org/my-orcid?orcid=0000-0001-6693-3733	
Awards/ Recognitions	<ol style="list-style-type: none"> 1. 2019: Received Best Poster Award for the research findings on “Integration of GIS and Multi criteria decision analysis for rainbow trout farming development in district Shiyomi, Arunachal Pradesh” in the national symposium on Coldwater Fisheries in India; Innovative approaches and way forward for enhancing hill farming income” organized by the Coldwater Fisheries Society of India during 24-25 September 2019 2. 2017: Qualified the National Eligibility Test conducted by the Agricultural Scientist Recruitment Board in the discipline of Fisheries Resource Management for Lectureship/Assistant Professorship. 3. 2012: Received Junior Research Fellowship for pursuing Post-graduation (M.F. Sc in Aquatic Environmental Management) in the Central Institute of Fisheries Education, Mumbai through all India Competitive Exam-ICAR for the academic year 2012-14 	
Publication (no.)	<ul style="list-style-type: none"> • Research papers 15 • Reviews 01 • Books .. • Book Chapters 08 • Popular articles 08 • Others 03 (Training manuals) + 01 (Bulletin) 	
Projects (Institutional/ External)	<ol style="list-style-type: none"> 1. Assessment of health status and influence of hydrobiological variations on fish assemblages’ pattern in River Ladhiya Central Himalayas, Uttarakhand (2020-23; Institute Funded) (Role: PI) 2. Ichthyofaunal diversity and health assessment of Central Himalayan River Saryu, Uttarakhand (2020-23; Institute Funded) (Role: CO- PI) 3. Integration of in silico drug designing methods for development of potential antimicrobial agents against fish pathogens (2020-23; Institute Funded) (Role: CO- PI) 	

4. GIS based digital data base on cold-water fishery resources of Arunachal Pradesh in North East Himalaya region 2018-22; Institute Funded) (Role: CO PI till 2020; PI:2021-22)
5. Study on development of spatial database of cold-water fishery resources in Western Himalayan region (2016-18; Institute Funded) (Role: CO PI)
6. Assessment of population status, species diversity and habitat ecology of snow trout *Schizothorax* species in selected streams of Indian Himalayan region (2016-20; Institute Funded) (Role: CO PI)
7. Network programme on Mahseer -Species and stock validation of mahseer species of genus *Tor* and *Neolissochilus* from central and eastern Himalayan region of India (2020-23; Institute Funded) (Role: CO PI)

Important 10 Publications (recent)

1. **Ganie, P.A.**, Yousuf, D.J., Bhat, R.A.H., Bhat, I.A., Kunal, K., Pandey, P.K. and Sarma, D., 2018. Investigation of acute toxicity and behavioral response of Indian major carp, *Cirrhinus mrigala* (Hamilton, 1822) in response to Cypermethrin (25% EC). Journal of Entomology and Zoological Studies, 6(6), pp.194-199.
2. **Ganie, P.A.**, Posti, R., Kumar, P. and Singh, A., 2016. Morphometric analysis of a Kosi River Basin, Uttarakhand using geographical information system. Int. J. Multidiscip. Curr. Res, 4, pp.1190-1200.
3. **Ganie, P.A.**, Baruah, D., Kunal, K., Posti, R. and Garima, D.S., 2018. Phytoplankton diversity and abundance in upland streams of Kameng drainage, Arunachal Pradesh. Journal of Entomology and Zoology Studies, 6(6), pp.1166-1173.
4. Baruah, D., Kunal, K., Sarma, D., **Ahmad, P.**, Sharma, P., Singh, A.K. and Singh, N.D., 2018. Aquatic biodiversity in upland streams of kameng drainage in Arunachal Pradesh. Journal of Krishi Vigyan, 7(1), pp.10-15.
5. Bhat, R.A.H., Rehman, S., Tandel, R.S., Dash, P., Bhandari, A., **Ganie, P.A.**, Shah, T.K., Pant, K., Yousuf, D.J., Bhat, I.A. and Chandra, S., 2021. Immunomodulatory and Antimicrobial potential of ethanolic extract of Himalayan *Myrica esculanta* in *Oncorhynchus mykiss*: Molecular modelling with *Aeromonas hydrophila* functional proteins. Aquaculture, 533, p.736213.
6. Jaffer, Y.D., Sanath Kumar, H., Vinothkumar, R., Irfan, A.B., Ishfaq, N.M., **Ganie, P.A.**, Bhat, R.A.H. and Vennila, A., 2019. Isolation and characterization of heterotrophic nitrification-aerobic denitrification and sulphur-oxidizing bacterium *Paracoccus saliphilus* strain SPUM from coastal shrimp ponds. Aquaculture International, 27(5), pp.1513-1524.
7. Bhat, I.A., Dar, J.Y., Ahmad, I., Mir, I.N., Bhat, H., Bhat, R.A., **Ganie, P.A.** and Sharma, R., 2021. Testicular

development and spermatogenesis in fish: insights into molecular aspects and regulation of gene expression by different exogenous factors. Reviews in Aquaculture, 13(4), pp.2142-2168.

8. Jaffer, Y.D., Purushothaman, C.S., Sanath Kumar, H., Irfan, A.B., Gireesh-Babu, P., **Ganie, P.A.**, Bhat, R.A.H. and Vennila, A., 2019. A combined approach of 16S rRNA and a functional marker gene, soxB to reveal the diversity of sulphur-oxidising bacteria in thermal springs. Archives of microbiology, 201(7), pp.951-967.
9. Bhat, I.A., Ahmad, I., Mir, I.N., Yousf, D.J., **Ganie, P.A.**, Bhat, R.A.H., Gireesh-Babu, P. and Sharma, R., 2019. Evaluation of the in vivo effect of chitosan conjugated eurycomanone nanoparticles on the reproductive response in female fish model. Aquaculture, 510, pp.392-399.
10. Farooq, I., Bhat, F.A., Balkhi, M.H., Shah, T.H., Bhat, B.A., Qadri, S., Talia, S., Aalia, S. and **Ganie, P.A.**, 2019. Reproductive and breeding biology of Schizothorax labiatus, a snow trout found in River Jhelum, Kashmir. Journal of Environmental Biology, 40(3), pp.291-294.

Other information's

Life member:

- Coldwater Fisheries Society of India
- Agricultural Research Service Scientists Forum