



**ICAR-National Bureau of Fish Genetic Resources**  
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<b>Name</b>	<b>Dr. Kantharajan G.</b>	
<b>Designation</b>	Scientist	
<b>Date of Birth</b>	20-04-1993	
<b>Professional experience</b>	6 years	
<b>Qualification (PG and above)</b>	MSc. & PhD (Aquatic Environmental Management)	
<b>Current area of Research</b>	<ul style="list-style-type: none"><li>▪ Fish Diversity Assessment</li><li>▪ Geo-spatial Conservation Planning</li><li>▪ Ecosystem Services &amp; Habitat Modelling</li></ul>	
<b>Area of Research Expertise</b>	<ul style="list-style-type: none"><li>▪ Fisheries Resource Management</li><li>▪ GIS and Remote Sensing</li><li>▪ Coastal Habitat &amp; Biodiversity Assessment</li></ul>	
<b>Awards/ Recognitions(only National and International)</b>	<ul style="list-style-type: none"><li>▪ 2017: UGC-NET in Environmental Science</li><li>▪ 2016: Qualified ICAR-NET in Fisheries Resource Management</li><li>▪ 2014: ICAR-JRF Fellowship to pursue MSc at ICAR-CIFE, Mumbai</li><li>▪ 2013: Best Fisheries Graduate of India: Dr. K.V. Devaraj Award by PFGF, Mumbai</li></ul>	
<b>Publication (no.)</b>	<ul style="list-style-type: none"><li>▪ <b>Research papers: 29</b></li><li>▪ <b>Books: 3</b></li><li>▪ <b>Book Chapters: 1</b></li><li>▪ <b>Popular articles: 3</b></li><li>▪ <b>Abstracts: 10</b></li></ul>	

## Important Research Publications

1. Kodeeswaran, P., **Kantharajan, G.**, Mohapatra, A., Kumar, T.A. and Sarkar, U.K., 2023. A new short brown unpatterned moray eel (Anguilliformes, Muraenidae) from the southeast coast of India, Bay of Bengal. *Zoosystematics and Evolution*, 99(1), pp.253-260.
2. Chandran, R., Singh, R.K., Singh, A., **Kantharajan, G.**, Thangappan, A.K.T., Lal, K.K. and Mohindra, V., 2023. Evaluating the influence of environmental variables on the length-weight relationship and prediction modelling in flathead grey mullet, *Mugil cephalus* Linnaeus, 1758. *PeerJ*, 11, p.e14884.
3. **Kantharajan, G.**, Govindakrishnan, P.M., Singh, R.K., Natalia, E.C., Jones, S.K., Singh, A., Mohindra, V., Kumar, N.K.R.K., Rana, J.C., Jena, J.K. and Lal, K.K., 2022. Quantitative assessment of sediment delivery and retention in four watersheds in the Godavari River Basin, India, using InVEST model—an aquatic ecosystem services perspective. *Environmental Science and Pollution Research*, pp.1-14.
4. **Kantharajan, G.**, Govindakrishnan, P.M., Chandran, R., Singh, R.K., Kumar, K., Anand, A., Krishnan, P., Mohindra, V., Shukla, S.P. and Lal, K.K., 2022. Anthropogenic risk assessment of riverine habitat using geospatial modelling tools for conservation and restoration planning: a case study from a tropical river Pranhita, India. *Environmental Science and Pollution Research*, pp.1-19.
5. **Kantharajan, G.**, Anand, A., Krishnan, P., Singh, R.K., Kumar, K., Kumar Yadav, A., Mohindra, V., Shukla, S.P. and Lal, K.K., 2022. Applications of Sentinel-2 satellite data for spatio-temporal mapping of deep pools for monitoring the riverine connectivity and assessment of ecological dynamics: a case from Godavari, a tropical river in India (2016–2021). *Environmental Monitoring and Assessment*, 194(8), p.558.
6. **Kantharajan, G.**, Yadav, A.K., Chandran, R., Singh, R.K., Mohindra, V., Krishnan, P., Kumar, K., Shukla, S.P. and Lal, K.K., 2022. Impact of terrestrial protected areas on the fish diversity and habitat quality: Evidence from tropical river Pranhita, India. *Journal for Nature Conservation*, 68, p.126187.
7. Pathak, A.K., **Kantharajan, G.**, Saini, V.P., Kumar, R., Dayal, R., Mohindra, V. and Lal, K.K., 2020. Fish community and habitat diversity profiling of Luni, an ephemeral saline river from Thar Desert of India for conservation and management. *Community Ecology*, 21, pp.303-316.

8. Anand, A., Krishnan, P., Suryavanshi, A.S., Choudhury, S.B., **Kantharajan, G.**, Srinivasa Rao, C., Manjulatha, C. and Babu, D.E., 2021. Identification of suitable aquaculture sites using large-scale land use and land cover maps factoring the prevailing regulatory frameworks: A case study from India. *Journal of the Indian Society of Remote Sensing*, 49, pp.725-745.
9. Anand, A., Krishnan, P., Kiruba-Sankar, R., Suryavanshi, A., Lohith Kumar, K., **Kantharajan, G.**, Choudhury, S.B., Manjulatha, C. and Babu, D.E., 2020. Feasibility of targeted fishing in mesoscale oceanic eddies: a study from commercial fishing grounds of Andaman and Nicobar Islands, India. *International Journal of Remote Sensing*, 41(14), pp.5011-5045.
10. Bhoomaiah, D., Krishnan, P., **Kantharajan, G.**, Rajendran, K.V., Ponniah, A.G. and Rao, C.S., 2020. Scientometric assessment of research publications from fisheries institutes under Indian Council of Agricultural Research (ICAR) during 2009-2018. *Indian Journal of Fisheries*, 67(4). pp. 1-12.
11. Bhoomaiah, D., Krishnan, P., **Kantharajan, G.**, Sangeeta, B. and Rajendran, K.V., 2020. A scientometric assessment of research on white spot syndrome virus (WSSV) in India *vis-a-vis* the world (1998–2017). *Aquaculture*, 520, p.734672.
12. Anand, A., Krishnan, P., **Kantharajan, G.**, Suryavanshi, A., Kawishwar, P., Raj, U., Rao, C.S., Choudhury, S.B., Manjulatha, C. and Babu, D.E., 2020. Assessing the water spread area available for fish culture and fish production potential in inland lentic waterbodies using remote sensing: A case study from Chhattisgarh State, India. *Remote Sensing Applications: Society and Environment*, 17, p.100273.
13. Anand, A., **Kantharajan, G.**, Krishnan, P., Abdul Hakeem, K., Sai Santosh, K., Srinivasa Rao, C., Lal, K.K., Choudhury, S.B., Manjulatha, C. and Babu, D.E., 2019. Mapping the potential areas for enclosure fish culture in tropical reservoirs: geo-spatial solutions for sustainable aquaculture expansion. *Spatial Information Research*, 27, pp.733-747.
14. **Kantharajan, G.**, Pandey, P. K., Krishnan, P., Ragavan, P., Jeevamani, J. J. J., Purvaja, R. and Ramesh, R., 2018. Vegetative structure and species composition of mangroves along the Mumbai coast, Maharashtra, India. *Regional Studies in Marine Science*, 19:1-8.
15. **Kantharajan, G.**, Pandey, P. K., Krishnan, P., Samuel, V. D.,

Bharti, V. S. and Purvaja, R., 2017. Molluscan diversity in the mangrove ecosystem of Mumbai, west coast of India. *Regional Studies in Marine Science*, 14:102-111.

16. Rocktim, R. D., **Kantharajan, G.**, Goutham, S., Samuel, V. D., Krishnan, P., Rajkumar, R. and Purvaja, R., 2017. First report of *Antigona Somwangi* Huber, 2010 (Mollusca: Bivalvia: Veneridae) from India. *Journal of Conchology*, 42(5):379-380.