

Special Issue

Applications of Environmental DNA for Fish and Aquatic Biodiversity Assessment

Message from the Guest Editors

This Special Issue aims to showcase innovative applications of eDNA for assessing fish diversity alongside other aquatic organisms across diverse environments, including marine, freshwater, and brackish systems. While fish are the key focus, studies exploring broader aquatic communities and their interactions are also welcome. Special attention will be given to cryptic, endemic, and poorly studied species that are often overlooked by traditional survey methods, as well as populations in remote and understudied locations. Additionally, this Special Issue will address the role of eDNA in detecting and monitoring biological invasions. Methodological optimisations and technical advances in eDNA applications will be considered. However, particular emphasis will be placed on studies where eDNA is employed as a tool to answer specific ecological or conservation questions. Aligned with the aims and scope of *Diversity*, this Special Issue seeks to promote interdisciplinary research that advances our understanding and supports the sustainable monitoring of aquatic ecosystems through the use of eDNA-based biodiversity assessments.

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Deadline for manuscript submissions

31 July 2026



Diversity

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 4.0



mdpi.com/si/254831

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About the Journal

Message from the Editor-in-Chief

Diversity (ISSN 1424-2818) is a scholarly journal that covers all areas of diversity research. Our distinguished editorial board and refereeing process ensures the highest degree of scientific rigor for publishing. Original research articles and timely reviews are released online, with unlimited free access.

We invite papers and reviews on multidisciplinary topics of diversity that bridge organismic diversity (systematics, biodiversity, phylogeny, population genetics, and evolution) and molecular diversity (phytochemistry and biophysics).

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.6 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).