Special Issue

Advancing Research for the Management and Conservation of Diadromous Fish

Message from the Guest Editors

Diadromous fish face multiple threats such as climate change, habitat fragmentation, overfishing and invasive species. This complex framework makes their management and conservation increasingly difficult, but more research is needed to fully understand the long-term impacts of these threats. Recent advances in biotelemetry, otolith chemistry, stable isotope analysis, eDNA and high-resolution genetic tools are transforming how we track movements, assess genetic diversity and identify critical habitats. Additionally, ecological modelling, remote sensing and habitat suitability assessments are essential for evaluating conservation strategies. Significant knowledge gaps remain, especially regarding marine life stages and how large populations respond to environmental change. We need interdisciplinary approaches that combine scientific research, conservation strategies and policy development to tackle these issues. This Special Issue invites original research and review articles that explore new perspectives on metapopulation dynamics, fisheries management, ecosystem restoration, climate adaptation and socio-ecological approaches to the conservation of diadromous species.

Guest Editors

Dr. Carlos Antunes
Dr. Pedro Morais
Dr. Ester Dias

Deadline for manuscript submissions

closed (31 December 2025)

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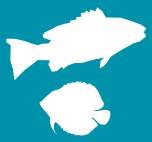

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About the Journal

Message from the Editor-in-Chief

Fishes is a multidisciplinary open access journal focusing on reports of original research and critical reviews and synthesis from the broad area of fishes and aquatic animals. The ultimate objective of *Fishes* is to facilitate the discovery of connections between research areas, advancing science and filling knowledge gaps, and providing solutions for all present and future issues encountered in the sector of fisheries and aquaculture. As Editor-in-Chief, I encourage you to consider *Fishes* for your scientific papers and would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Maria Angeles Esteban
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