Special Issue

Application of Otoliths in Fish Ecology and Fisheries

Message from the Guest Editors

Otoliths have become indispensable tools in modern fish ecology and fisheries science. Their growth patterns, structural patterns, morphological traits, and chemical composition, provide insights that extend far beyond traditional age estimation. By decoding their structural, morphological and chemical signatures, researchers can reconstruct individual life histories, migration pathways, habitat use, stock structure, connectivity patterns, and even responses to environmental change. This Special Issue, *Application of Otoliths in Fish Ecology and Fisheries*, highlights recent advances in methodologies, case studies, and conceptual frameworks that demonstrate the versatility of otoliths as natural tracers. Contributions explore diverse applications—from understanding population connectivity and stock structure to assessing the impacts of climate variability and anthropogenic pressures on aquatic ecosystems. Holistic and complementary approaches are also welcome, particularly those integrating otolith research with ecological, genetic, and modeling perspectives.

Guest Editors

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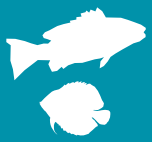

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About the Journal

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

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