

Special Issue

New Challenges in Control and Monitoring of Aquatic Invasive Species

Message from the Guest Editors

Aquatic invasive species (AIS) present a significant challenge to biodiversity, ecosystem health, and socio-economic systems globally. The spread of AIS, influenced by globalization, climate change, and human activities, disrupts native ecosystems, resulting in habitat degradation and a decline in native species. Effective control and monitoring of AIS require innovative approaches that integrate ecological, technological, and management perspectives. Advances in molecular tools, remote sensing technologies, and risk assessment frameworks are improving the early detection and monitoring of AIS. Additionally, new management strategies, including bio-control, habitat restoration, and predictive modeling, provide new methods for mitigating their impacts. Interdisciplinary collaboration is essential to address gaps in knowledge and develop comprehensive solutions that balance ecological conservation with socio-economic needs. Sharing insights and innovative methods enhances knowledge and promotes a more cohesive understanding of complex issues, enabling effective responses to protect aquatic ecosystems and global biodiversity resilience.

Guest Editors

Prof. Dr. Lorenzo Vilizzi

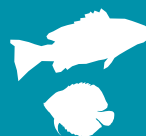
Faculty of Biology and Environmental Protection, Department of Ecology and Vertebrate Zoology, University of Lodz, 90-237 Lodz, Poland

Dr. Angela Boggero

CNR-Water Research Institute (IRSA), Corso Tonolli 50, 28922 Verbania Pallanza, Italy

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Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

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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

Department of Cell Biology and Histology, Faculty of Biology, University of Murcia, 30100 Murcia, Spain

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