

Special Issue

Bio-Indicators in Aquatic Ecosystems: Monitoring, Assessment, Restoration and Conservation

Message from the Guest Editor

We invite contributions to a Special Issue on bio-indicators in aquatic ecosystems, focusing on their use in assessing water quality, biodiversity, ecological integrity, and responses to environmental change. Organisms such as diatoms, macroinvertebrates, algae, and fish offer sensitive measures of anthropogenic impacts, climate change, habitat degradation, and recovery following restoration. This research is vital for understanding ecosystem functioning, guiding conservation, and supporting evidence-based management of freshwater and marine systems. We welcome original research and reviews on topics including novel monitoring methodologies, multi-taxa and integrated assessment approaches, climate and anthropogenic effects on aquatic communities, biodiversity conservation and restoration, paleolimnological reconstructions, functional ecology and ecosystem services, and ecological monitoring of habitat recovery. Both contemporary and historical studies are encouraged. This Special Issue aligns with the journal's emphasis on environmental monitoring, ecological assessment, restoration, and biodiversity conservation.

Guest Editor

Dr. Davide Taurozzi

Department of Sciences, University of Roma Tre, Viale G. Marconi 446, 00146 Rome, Italy

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Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR
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