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Ecological Monitoring and Assessment of Freshwater Ecosystems: New Trends and Future Challenges

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Deadline for manuscript submissions:
closed (10 April 2024)

Message from the Guest Editors

Dear Colleagues,

Regional/local (e.g., land cover transformation, pollution, hydromorphological alterations and invasive species) and global (e.g., climate change) environmental changes are responsible for the loss of many aquatic biota and ecosystem functions. In addition, freshwater resources, especially rivers and lakes, are under severe pressure due to increasing anthropogenic activities, such as water extraction, flow regulation, pollution, and habitat fragmentation. As a result, these changes greatly alter the delivery ecosystem services, affecting human well-being. Due to the multifunctionality of freshwater ecosystems, conservation management and restoration measures could lead to an improvement in biodiversity, ecological quality, and supply of clean water and other ecosystem services or benefits to humans. Over recent decades, extensive national and international regulations have been adopted to protect water resources. [...]

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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.

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