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Impacts of Anthropogenic Activities on Water Resources and Ecosystem Health: How to Minimize These Impacts?

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Deadline for manuscript submissions:
closed (15 July 2022)

Message from the Guest Editors

This Special Issue seeks to (1) understand the impacts of anthropogenic activities on water resources and ecosystem health and (2) provide innovative methods and strategies to safeguard water resources. We welcome original papers addressing research themes including, but not limited to, the following:

1. Occurrence of pollutants (e.g., heavy metals, persistent organic pollutants, microplastics, or any emerging contaminants) in different water bodies, caused by human activities (e.g., mining, e-waste recycling, agricultural and industrial activities);
2. Ecological risk of pollutants in the aquatic environment (e.g., lakes, rivers, streams, and coastal waters) and their effects on biota and humans;
3. Behavior of pollutants in water and their interaction with other environmental media, such as sediment and biota;
4. Treatment of polluted water and remediation of contaminated areas through various technologies, such as sewage treatment plants and constructed wetlands;
5. Management strategies to cope with water pollution.

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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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