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Water Quality Management of Inland Waters

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Deadline for manuscript submissions:
closed (15 July 2023)

Message from the Guest Editors

Anthropogenically driven input of pollution loads into inland waters during the Anthropocene has resulted in profound implications for the socioecological function of these waterbodies, including nutrient cycling, sediments, dissolved oxygen availability, recreational activities, primary production, socioeconomic benefits, navigation, and fishery production. At present, around 750 million tons of effluents and 350 million tons of industrial wastes are discharged into inland waters annually, leading to the loss of more than 30 percent of global biodiversity. Wastewater effluents are projected to grow due to increasing urbanization and industrial activities. Fertilizer use has been projected to double by 2050, leading to an increase of 180% and 150% in nitrogen and phosphorus effluents, respectively. In addition, the use of other chemical compounds and emerging pollutants such as microplastics is expected to increase, and consequently, novel contaminants can be a major concern in inland waters in future.

[...]
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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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Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (Water Science and Technology)

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