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Water Quality Assessment of River Basins

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Message from the Guest Editor

This Special Issue, titled “Water Quality Assessment of River Basins”, delves into the state-of-the-art technologies and pragmatic strategies for evaluating water quality across numerous aquatic systems within a basin, encompassing rivers, lakes, and groundwater. It spans the spectrum from foundational water quality monitoring practices to sophisticated data analysis methodologies, and it elucidates the implementation of these tools within the context of water environment management. The content encompasses the quantitative analysis of water quality parameters, the study of pollutant migration and transformation processes, the tracing of pollutant sources, the development and application of water quality models, and the evaluation of the ecological impacts resulting from changes in water quality. This Special Issue aims to facilitate a comprehensive exchange among water environment scientists, engineers, policymakers, and water resource managers, collectively driving forward the protection of river basin water quality and the pursuit of sustainable development.



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Special Issue



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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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