Special Issue

Innovative Approaches in Hydrology Applied to the Study of River and Lakes Systems

Message from the Guest Editors

This Special Issue presents the latest developments in hydrology, with particular emphasis on their practical applications in river and lake systems. The contributions showcase innovative methods in hydrological monitoring, remote sensing, numerical modeling, and advanced data analysis techniques, which enhance our understanding of water flow, sediment transport, and related physicochemical processes. Topics also include water quality assessments and the physicochemical properties of waterbed sediments, examined in the context of both natural processes and anthropogenic influences.

The aim of this Special Issue is to promote interdisciplinary knowledge exchange among hydrologists, geomorphologists, water quality specialists, environmental chemists, and water resource managers, encouraging the use of innovative hydrological methods to support the management of sustainable river and lake systems. [...]
For further reading, please follow the link below:
https://www.mdpi.com/journal/water/special_issues/705499752B

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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

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