



water



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Advances in Data-Driven Water Cycling Analyses

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Deadline for manuscript submissions:

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Message from the Guest Editors

Dear Colleagues,

Massive water-related data (e.g., hydrologic observations, climatic re-analyses, satellite images, environmental monitoring, socioeconomic statistics, and experimental analyses) are available in the current era of big data. Numerous data-driven methods, algorithms, approaches, and software are being continuously developed or employed to quantitatively analyze said data. The analyses are helpful for revealing complicated mechanisms of water cycling, e.g., its associations with climate, energy, agriculture, environment, geology, ecology, health, social economy, technological advancement, engineering construction, and other related systems at large scales. They can also help to identify the optimal policy, technological, or engineering solutions for addressing diverse water crises all over the world under natural and anthropogenic impacts.

This Special Issue focuses on emerging advances in data-driven water-related studies, summarizes recent findings of water cycling obtained from extensive data analyses, [...]

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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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