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## Satellite-Based Method for Monitoring Hydrological Changes

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Deadline for manuscript submissions:

**closed (31 August 2022)**

### Message from the Guest Editors

Dear Colleagues,

Improvements in satellite remote sensing techniques have allowed the development of several platforms that are able to capture multitemporal data with a wide range of spatial and temporal resolutions. This Special Issue aims to cover the following:

- New methods and techniques for detecting changes in the water cycle variables (e.g., precipitation, evaporation, temperature, groundwater recharge, water bodies storage, soil moisture, and runoff), including hydrological modeling that involves the assimilation of data from satellite remote sensing;
- Development of new numerical and statistical methods of performing multitemporal analysis from remote sensor data that allow the detection of changes in the variables and dynamics of the water cycle;
- Satellite-data-enabled hydrological applications and water resource management to detect human-induced changes on water cycle variables and water quality and impacts of climate change on hydrological processes and extreme water events.



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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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