Special Issue

Application of Spatiotemporal Data in Hydrological Hazards of Drought, Flood and Water Pollution Assessment and Monitoring

Message from the Guest Editors

We are seeking contributions that integrate the application of spatiotemporal data such as remote sensing, Big data, etc., with a particular focus on and reference to drought, flood or water pollution monitoring and hazard assessment. In particular, contributions on various droughts or flood monitoring indexes from different spatiotemporal data resources are also welcome and encouraged. The investigative approach characterized by the integration of disciplines at different scales of vision and precision represents a modern challenge to strive for a more complete understanding of drought, flood and water pollution processes and, therefore, a better hazard evaluation.

Keywords

- droughts
- floods
- water pollution
- waterlogging
- remote sensing observation
- big data
- digital twin watershed
- hazard assessment
- machine learning
- public health

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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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