



Remote Sensing of Water Resources Monitoring, Parametrization and Modeling

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Message from the Guest Editors

Dear Colleagues,

Remote sensing data integrated with advanced machine learning algorithms serve as a cost-efficient alternative to in situ data collection at numerous spatial and temporal scales. Numerous models can be proposed to monitor problems with focus on the conservation and management of water resources. The goal of this Special Issue is to collect papers to give insights about the use of RS/GIS-based techniques for monitoring, modeling, and managing water resources and water-related processes such as flooding, drought, land subsidence, sediment transport, and changing the morphology of rivers. In addition, the combined use of both optical and thermal multi-temporal imageries can be thus used to analyze aquatic environments at both global and regional scales. Therefore, articles that explore, evaluate, or implement thermal images to monitor submarine groundwater discharge and assess groundwater–lake interactions are welcome. Potential topics include, but are not limited to:

- Monitoring water quality
- Submarine groundwater discharge (SGD)
- Thermal anomalies mapping in waterbodies
- Water-related disasters
- Modeling energy and water fluxes

