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Field Monitoring, GIS, Remote Sensing, Geophysical Techniques, and Hydrochemical Analysis in Groundwater Investigations

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Deadline for manuscript submissions:
31 August 2024

Message from the Guest Editors

This Special Issue of Water aims to provide an extensive overview of integrating RS and geophysical techniques in hydrogeophysical investigations. It focuses on original high-quality articles addressing one or more of the following topics, including state-of-the-art reviews:

- Assessment of using RS, geophysical, and GIS in groundwater investigation;
- Groundwater monitoring;
- Groundwater-surface water interaction monitoring;
- Assessment of existing groundwater resources;
- Assessment of groundwater recharges and aquifer sustainability;
- Three-dimensional mapping and characterizing the aquifer heterogeneities;
- Identification/delineation and assessment of groundwater contamination sources;
- Mapping groundwater contamination;
- Groundwater advanced modeling to support its sustainability;
- Connectivity between groundwater and aquatic ecosystems;
- Connectivity between groundwater and sustainable agriculture;
- Groundwater and environmental change;
- Regional and transboundary groundwater (monitoring, assessment, challenges, etc.).

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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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