Special Issue

Hydrogeophysical Methods and Hydrogeological Models

Message from the Guest Editors

This Special Issue aims to highlight innovative research that bridges the gap between hydrogeophysical data acquisition and hydrogeological modeling. Despite substantial progress in geophysical techniques for subsurface characterization, their integration into predictive, quantitative models of groundwater systems remains a key challenge. This Special Issue seeks to foster interdisciplinary approaches that combine field measurements, computational techniques, and conceptual advancements to enhance the reliability and utility of hydrogeological models. We welcome original research articles, methodological papers, and field-based case studies. Topics include, but are not limited to:

- Development and application of hydrogeophysical methods;
- Integration of geophysical data into groundwater models;
- Coupling of geophysical data with groundwater flow and transport models;
- Inversion techniques and uncertainty quantification.

[...]

For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/water/special_issues/J2GKY64H22

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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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