Special Issue

Advances in Aquifer Systems Analysis: Flows, Interactions, Quality Status, and Remediation

Message from the Guest Editors

The impact of human activities and climate change on groundwater systems is becoming severe. For this reason, the study of aquifer systems is essential for many applications, such as groundwater management, groundwater remediation and geothermal applications. In recent decades, both experimental and numerical techniques have been developed to estimate hydrogeological parameters and to understand groundwater flow and transport processes. This Special Issue focuses on recent advances and future developments in aquifer system analysis. This involves new advances in the knowledge surrounding the topic of interest. In particular, multidisciplinary approaches are welcome, including chemical isotope and microbiology analyses, numerical modelling, pumping and field test, etc. This includes but is not limited to saturated/unsaturated flow, seawater intrusion, and porous and karst aquifers. Our aim is for this Special Issue of *Water* is to provide the readers with multidisciplinary tools that allow for knowledge on aquifer systems to improve.

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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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