Special Issue

Hydrogeological and Hydrochemical Investigations of Aquifer Systems

Message from the Guest Editor

This Special Issue brings together emerging approaches related to the methods and tools of groundwater exploration and assessment (quantity and quality). This has led to an emphasis on planned and optimal development in terms the exploration, extraction assessments, and modelling parameters which govern groundwater flow and contaminant transport. The present Special Issue draws from worldwide hydrogeological characterization, hydrogeophysical methods, numerical modelling, and multidisciplinary approaches, which are conducted for a better assessment of resources in heterogeneous hydrogeological systems. This Special Issue provides crucial scientific research for water resource planning and management, offering insights into the interactions between groundwater flow and quality. The publications in this Special Issue will underscore the need for integrated approaches that consider both the hydrogeological and hydrochemical aspects of groundwater systems to ensure sustainable water availability and safeguard public health.

Guest Editor

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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

Dr. Jean-Luc PROBST
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