Special Issue

Groundwater Modeling and Groundwater Contamination

Message from the Guest Editors

Groundwater contamination and modeling have always been an intriguing topic receiving both public and academic attention, the importance of which increased in recent years as risks in our subsurface environments arose. Many studies have focused on simulations and models concerning traditional contaminants such as heavy metals, BTEX, and nitrate in groundwater. A new strand that attracted much focus in recent years addresses emerging contaminants such as microplastics, which received little attention in the past when their adverse effects on the ecological environment and human health were veiled. This trend epitomizes an urgent need to expand research efforts to scrutinize groundwater pollution mechanisms to enhance contamination detection and understanding on quality management, where new types of contamination can arise at any time due to any cause. This Special Issue, 'Groundwater Modeling and Groundwater Contamination', seeks to create a platform to review and present the advanced methodologies, current progress and challenges, and future opportunities in groundwater modelling and groundwater contamination.

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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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