Special Issue

The Groundwater Susceptibility, Risk, and Hazard Analysis for Sustainability in the Anthropocene

Message from the Guest Editor

Groundwater is the largest liquid freshwater reservoir on planet Earth which has been increasingly under stress in terms of both quantity and quality due to over-pumping and the unsustainable exploitation of aquifers to meet rapidly growing population and agriculture activities. These drivers associated with climate change pressures threaten the sustainable management of groundwater resources. For susceptibility analysis of the groundwater to different stressors (e.g., overexploitation and contamination), different process-based models, overlay and index models, and statistical models are developed and tested all over the world. The increased growth of human-induced hydrogeological hazards (e.g., land subsidence, seawater intrusion into coastal aquifers, deterioration of groundwater quality, and groundwater level declination) reveals the role of analysis of groundwater susceptibility to such hazards. [...]

For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/water/special_issues/3UED0H59Q3

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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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