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Hydrogeological Impact of Natural Processes and Anthropogenic Disturbances

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Message from the Guest Editors

Natural processes (e.g., snowmelt, rainfall, evaporation, and earthquakes) and anthropogenic disturbances greatly affect the hydrogeological environment, leading to a series of hydro-geo-environmental problems or hazards, such as groundwater level rise and decline, land subsidence, infrastructure damage, or deterioration in water quality, flood, drought, soil erosion, landslide, and even debris flow. It is of great importance that we analyze the hydrogeological impact of common natural and anthropogenic disturbances, evaluate possible environmental problems, and propose relevant disaster prediction and prevention methods. For this Special Issue, we welcome original research addressing various issues related to the hydrogeological impact of the abovementioned natural and anthropogenic disturbances. Papers detailing the application of numerical and physical modelling, optimization algorithms and analytical solutions, and field investigations or remote sensing technology to solve related challenges are welcome.

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Special Issue



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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.

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