Special Issue

How Earthquakes Affect Groundwater

Message from the Guest Editors

For decades, geosciences have been interested in studying the impact of earthquakes on groundwater. The variety of such effects on the groundwater level, discharge, temperature, and hydrogeochemistry has not yet been fully explained. This Special Issue focus on: a) systematic analysis of seismohydrogeological signals in groundwater changes on data of detailed observations and the creation of their models; b) development of methods for assessing the quality of observational data in wells and other water vents for creating and testing models of earthquake effects in groundwater; c) geophysical interpretation of the seismohydrogeological effects together with other seismological and non-seismological anomalies associated with the deformation of the earth's crust and seismic events; d) statistical analysis of time series of hydrogeodynamic, gas-hydrogeochemical and isotopic parameters of groundwater to assess the spatio-temporal scales of seismohydrogeological effects against the impact of natural and technogenic processes; e) assessment of the statistical significance hydrogeodynamic and hydrogeochemical earthquake precursors for earthquake prediction.

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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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