Special Issue

Impact of Geological Uncertainty on Geological Hazards and Groundwater Environment Assessments

Message from the Guest Editors

Geological heterogeneity, limited data, and polysolotion of data interpretation are recognized as the major sources of uncertainty in practical engineering geology problems. With the development of measurement technologies, geophysical technology, and simulation modeling methods, many efforts have been made to reduce uncertainty, focusing on bridging the gaps between available geological data and accurate geologic models. Actually, geologic knowledge of engineering practice plays an essential role in characterizing and quantifying uncertainty in different geologic models at different scales. Ignorance of the uncertainty in geologic models often leads to the failure of engineering structures, geohazards (such as landslides, groundwater inrush, and ground subsidence), and groundwater environmental problems, all of which can pose significant societal risk. Therefore, it is critical to characterize and quantify the geological uncertainty of geologic models and to systematically examine their implications [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/28XF0H3C8D

Guest Editors

Dr. Zhou Chen

Prof. Dr. Lichao Nie

Prof. Dr. Haifeng Lu

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Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

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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
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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