Special Issue

Coupled Flow and Reactive Transport Processes in Subsoil

Message from the Guest Editors

The Special Issue entitled “Coupled Flow and Reactive Transport Processes in Subsoil” focuses on the use of analytical or numerical approaches concerning flow and reactive transport processes in aquifers.

Our goal is to gather manuscripts discussing these topics, including recent experimental, analytical, and numerical results related to the study of complexities in reproducing flow and reactive transport processes in variably saturated porous media across a wide range of spatial and temporal scales.

In particular, we warmly welcome contributions related to the following topics of interest:

Flow processes in porous media and fractured rocks.
Reactive transport processes in the vadose zone and saturated portions of aquifers.
Biogeochemistry and reactive transport.
Isotope fractionation models.
Coupled hydraulic, thermal, chemical, and biological processes.
Recent laboratory experiments on the main parameters affecting reactive transport processes in subsoil.

Guest Editors

Dr. Matteo Antelmi
Dr. Diego Di Curzio
Dr. Pietro Mazzon
Dr. Emiel Kruisdijk

Deadline for manuscript submissions

closed (20 February 2024)

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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
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