

Special Issue

Advances in Water–Rock Interactions and Thermo–Hydro–Mechanical Processes

Message from the Guest Editors

Water–rock interactions and coupled thermo–hydro–mechanical (THM) processes play a crucial role in processes such as groundwater formation, circulation, storage, and contamination propagation. These intricate processes involve the permeation, diffusion, and reactions of water within geological formations, while being influenced by temperature, fluid flow, and stress. Understanding these coupled interaction holds paramount importance in various fields, including groundwater resource management, geothermal energy utilization, rock engineering, and geological hazard assessment. As technology advances and innovative research methods emerge, we have the opportunity to unravel the mechanisms and laws governing water–rock interactions and coupled THM processes more comprehensively. This will help to provide more accurate and reliable scientific support for applications in the field of Earth sciences.

Guest Editors

Dr. Yi Xue

Dr. Jianyong Han

Dr. Zhizhen Zhang

Prof. Dr. Hailing Kong

Deadline for manuscript submissions

closed (31 December 2024)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.8



mdpi.com/si/181573

Water

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

[mdpi.com/journal/
water](https://mdpi.com/journal/water)





Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.8



[mdpi.com/journal/
water](https://mdpi.com/journal/water)



About the Journal

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Water Resources) / CiteScore - Q1 (Water Science and Technology)