

## Special Issue

# Fluid Flow and Transport in Porous and Fractured Media

### Message from the Guest Editors

Fluid flow and transport in porous and fractured media are of special importance in applications of many projects in geosciences and geoengineering, such as CO<sub>2</sub> sequestration, enhanced oil recovery, groundwater use, geothermal energy development, risk assessment of water inrush in karst tunnels and coal mines, and design and risk assessment of nuclear waste disposal and underground crude-oil-storage facilities. The porous media has a large amount of volume, while the fractured media occupies a small amount of volume. However, the fractured media is more permeable than the porous media. Thus, the fluid flow and transport mainly occur within the fractured media, while the porous media stores the fluids. Therefore, it is necessary to clearly understand the fluid flow and transport behaviors of fluids in porous and fractured media. This Special Issue of *Water* calls for papers presenting recent advances in **fluid flow and transport in porous and fractured media** on the following topics:

- Fluid flow in porous media.
- Fluid flow in fractured media.
- Transport in porous media.
- Transport in fractured media.
- Fluid flow in porous-fractured media.
- Transport in porous-fractured media.

### Guest Editors

Dr. Richeng Liu

State Key Laboratory for Geomechanics and Deep Underground Engineering, China University of Mining and Technology, Xuzhou 221116, China

Prof. Dr. Na Huang

College of Civil Engineering and Architecture, Shandong University of Science and Technology, Qingdao, China

### Deadline for manuscript submissions

closed (31 July 2024)



## Water

an Open Access Journal  
by MDPI

Impact Factor 3.0  
CiteScore 6.0



[mdpi.com/si/196227](https://mdpi.com/si/196227)

*Water*

Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[water@mdpi.com](mailto:water@mdpi.com)

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





# Water

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 6.0



[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 (Aquatic Science)