

## Special Issue

# Theory and Technology of Mine Water Disaster Prevention and Resource Utilization

### Message from the Guest Editors

The prevention of mine water hazards and the utilization of water resources are crucial for the safe operation of mines and the efficient utilization of mine water resources. Studying the occurrence mechanism of surrounding coal water disasters, advanced detection and disaster prevention can provide a theoretical basis and effective solutions for mine water treatment.[...] The Special Issue may include (without being limited to) the following themes:

- (1) Fundamental mechanics of water-bearing coal and rock;
- (2) Mechanism of surrounding rock water disaster;
- (3) Theory and technology of mine water hazard detection;
- (4) Theory and technology of monitoring, forewarning, prevention, and control of mine water disasters;
- (5) Theory and technology of coordinated exploitation of coal–water dual resources;
- (6) Resource utilization of mine water;
- (7) Other related technology for mine water disaster prevention and resource utilization.

For further reading, please follow the link to the Special Issue Website at:

[https://www.mdpi.com/journal/water/special\\_issues/V8126GD9HC](https://www.mdpi.com/journal/water/special_issues/V8126GD9HC)

---

### Guest Editors

Dr. Helong Gu

Dr. Xueyi Shang

Dr. Huatao Zhao

---

### Deadline for manuscript submissions

closed (25 August 2024)



## Water

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 6.0



[mdpi.com/si/196535](https://www.mdpi.com/si/196535)

*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/](https://www.mdpi.com/journal/)

[water](https://www.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)