Special Issue

Groundwater Environmental Impacts and Control Strategies of Coal Mining and Energy Development/Storage Activities

Message from the Guest Editors

With global energy development gradually shifting to deeper underground sources, its impacts on the groundwater environment have become increasingly prominent in activities such as coal mining, geothermal development, carbon sequestration, and aquifer-based gas/thermal storage. Critical issues—including aquifer destruction, water resource depletion, water quality contamination, and ecological degradation—pose major challenges to the sustainable development of the energy industry. To address these concerns, there is an urgent need to explore the mechanisms and patterns of groundwater environmental impacts, develop robust assessment methodologies, and propose effective control and remediation strategies for groundwater loss and pollution. This journal is launching a call for papers on "Groundwater Environmental Impacts and Control Strategies of Coal Mining and Energy Development/Storage Activities." We welcome submissions on cutting-edge research, technological advancements, and engineering practices that promote the coordinated development of groundwater protection and energy development/storage.

Guest Editors

Dr. Yonghui Wu

Dr. Lijun Liu

Dr. Jingwei Huang

Deadline for manuscript submissions

20 November 2025

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/237605

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

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

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)

MDPI