Special Issue

Theory and Technology of Water-Induced Geological Disaster Prevention and Water Resource Utilization in Mines

Message from the Guest Editors

By studying the fundamental mechanics theory of water-bearing coal rocks, technologies for the resource utilization of mine water, mechanisms of surrounding rock water disasters, and advanced technologies for early warning and prevention of water-induced geological disasters, accurate prediction and rapid response to water-induced mine hazards can be achieved. The Special Issue may include (without being limited to) the following themes:

- Fundamental mechanics of water-bearing coal and rock.
- Mechanism of surrounding rock water disaster.
- Theory and technology of monitoring, forewarning, prevention, and control of water-induced mine hazards.
- Mechanism and prevention techniques of landslides, debris flows, and erosion caused by rainfall on the surface of mines.
- Theory and technology of coordinated exploitation of coal-water dual resources.
- Resource utilization of mine water...

Keywords: water-induced geological disasters; utilization of water resources; mine water treatment; fundamental mechanics theory of water-bearing coal rocks; surrounding rock water disasters; loess collapsibility; soil liquefaction

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Deadline for manuscript submissions

closed (5 December 2025)



Water

an Open Access Journal by MDPI

Impact Factor 3.0 CiteScore 6.0



mdpi.com/si/219605

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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

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