

Special Issue

Mine Water Utilization and Sustainable Management

Message from the Guest Editors

Mine water has traditionally been considered as a liability around the globe, whether it be from environmental challenges in relation to abandoned flooded mines or as an operational cost for dewatering active mining sites. This Special Issue aims to promote the latest research in mine water utilization and sustainable management which advances the reimagining of mine water as an energy, economic and societal asset. Key topics include, but are not limited to, the following:

- Heat extraction for domestic and commercial application
- Thermal energy storage to balance low-carbon energy networks
- Extraction of chemical feedstocks for a range of industries
- Acid mine drainage prevention, control and monitoring
- Purification for potable water in stressed environments
- Subsurface pumped hydropower
- A storage solution for captured carbon dioxide emissions

We invite contributions from fundamental science principles to practical, real world operational learnings, including discipline-focused or cross-disciplinary approaches from research areas such as hydrogeology, numerical modelling, geochemistry, energy systems and mechanical engineering.

Guest Editors

Dr. Neil Burnside

Department of Civil and Environmental Engineering, University of Strathclyde, Glasgow G1 1XJ, UK

Dr. Ian Molnar

School of Geosciences, University of Edinburgh, James Hutton Road, King's Buildings, Edinburgh EH9 3FE, UK

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Water

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

water@mdpi.com

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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
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Toulouse, France

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