Special Issue

Impacts of Acid Mine Drainage on Continental Waters

Message from the Guest Editor

This Special Issue aims to provide a comprehensive overview of the scientific advances on the environmental impact of mining and metallurgical activities on water resources. By integrating case studies from continental and marine environments, it will offer new insights into the challenges and opportunities for achieving good ecological and chemical water status, as required by the EU Water Framework Directive. Furthermore, it will highlight approaches aligned with WHO guidelines and the Sustainable Development Goals (SDGs), particularly those related to clean water and sanitation (SDG 6), responsible consumption and production (SDG 12), and life below water (SDG 14).

Key themes include the following:

- Hydrogeochemistry of acid mine drainage (AMD) and neutral mine drainage;
- Distribution and mobility of heavy metals (Pb, Zn, Cu, Cd, Hg, As, Sb, etc.);
- Impacts on rivers, aquifers, estuaries, and coastal ecosystems;
- Monitoring, modelling, and early-warning technologies;
- Remediation techniques (passive and active treatment, nature-based solutions). [...]

For further reading:

https://www.mdpi.com/journal/water/special_issues/9MXQ572VRK

Guest Editor

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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
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