

Special Issue

Sustainability in Mineral Potential Mapping of Key Mineral Resources

Message from the Guest Editor

The issue of strategic key mineral resources such as lithium, cobalt, and nickel has risen to a national strategic level and received a lot of attention from relevant departments, with significant practical significance. In the era of big data, establishing a coupled model of sustainable geology environment mineral resources and utilizing machine learning and deep learning methods to tap into their resource potential is of great practical significance for the sustainable development of strategic mineral resources. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Mineral potential mapping of key mineral resource sustainability;
- Coupling model of geological environment and mineral resources;
- Sustainable development and utilization of key metal resources;
- Big data and artificial intelligence for mineral exploration.

I look forward to receiving your contributions.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2025)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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