

Special Issue

Critical Resources and Innovation for a Just and Sustainable Energy Transition

Message from the Guest Editors

Dear colleagues, This Special Issue seeks submissions that consider the complexities of transforming resource supply chains for the energy transition, and the competing drivers and barriers. **Topics of interest** Papers submitted to this Special Issue may come from a variety of academic backgrounds, including both social and natural sciences and engineering, and could include topics such as (but not limited to) the following:

- Innovation in mining and its impact on host communities;
- Critical mineral requirements for new energy technologies;
- Social risks and their integration into criticality assessments;
- Hydrogen energy systems and their integration in mining supply chains;
- Critical mineral extraction and rehabilitation of legacy mines and tailings;
- Deep sea mining and its implications for critical minerals;
- Decarbonization as a transformation of mining and mineral markets.

Reviews, articles, and detailed technical notes are welcomed. All submissions should consider the potential resource implications.

Guest Editors

Prof. Dr. Benjamin McLellan

Prof. Dr. Damien Giurco

Dr. Zhili Zuo

Deadline for manuscript submissions

20 October 2026



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About the Journal

Message from the Editor-in-Chief

Responsible prosperity is underpinned by sustained access to resources. *Resources*, publishes excellent science and scholarship which transforms understanding, practices and policies for conserving all natural resources—from water, land and air; to plant and animal biodiversity; to minerals and energy and their interconnection across scales. Significantly, we invite high quality submissions from natural and social sciences.

Build impact from your research by submitting to *Resources*, an open-access journal connecting you with data, insights, ideas and evidence needed to shape a better world.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 23.3 days after submission; acceptance to publication is undertaken in 4.5 days (median values for papers published in this journal in the second half of 2025).