



Special Issue on Geological Resources and Sustainable Exploration

Call for Papers

Geological Resources and Sustainable Exploration is a multidisciplinary field dedicated to the identification, assessment, and responsible utilization of Earth's geological resources, including minerals, energy reserves, groundwater, and other natural assets. It integrates principles of geology, geophysics, geochemistry, environmental science, and resource management to develop efficient and environmentally responsible exploration strategies. The field emphasizes sustainable practices that minimize ecological impacts, optimize resource recovery, and support long-term economic and environmental goals. Research in geological resources and sustainable exploration addresses challenges related to resource scarcity, critical minerals, energy transition, environmental protection, and technological innovation, contributing to the sustainable development and management of natural resources worldwide.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Geological Resources and Sustainable Exploration**. Potential topics include, but are not limited to:

- Economic geology
- Mineral resource exploration
- Ore deposit studies
- Geophysical prospecting
- Geochemical exploration
- Geological mapping
- Resource estimation and modeling
- Energy resource geology
- Petroleum and natural gas exploration
- Groundwater resource assessment
- Mining geology
- Environmental geology
- Remote sensing in exploration
- Sustainable resource management
- Exploration risk assessment
- Critical mineral resource studies



Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - Geological Resources and Sustainable Exploration**” should be selected during your submission.

Special Issue Timetable:

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