# Special Issue

## Mineralization and Metallogeny of Iron Deposits

### Message from the Guest Editors

Iron ore plays an important role in global economic development and industrialization. Recent advancements in analytical testing and exploration techniques have revolutionized iron ore research. Techniques like micro-area observation and in-situ composition analysis (elemental or isotope) have demonstrated complex mineralization processes. Additionally, big data and artificial intelligence technologies have introduced new tools to discriminate between genetic models and predict mineralization. This Special Issue aims to present the latest research findings on the genesis, metallogeny and exploration methods of iron deposits worldwide. We welcome original papers and review articles focusing on globally renowned or emerging iron deposits. This Special Issue will primarily cover the following topics: genesis of iron deposits; geological background and metallogeny of iron deposits; and innovative exploration methods and technologies for improving the understanding of iron ore deposits.

### Guest Editors

Dr. Shigang Duan
Dr. Chengdong Yang
Prof. Dr. Xiuqing Yang

### Deadline for manuscript submissions

closed (30 April 2026)

**Minerals**

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**Impact Factor 2.2**
**CiteScore 4.4**

mdpi.com/si/228113

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# About the Journal

## Message from the Editor-in-Chief

*Minerals* welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

## Editor-in-Chief

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### High Visibility:

indexed within Scopus, SCIE (Web of Science), GEOBASE, GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

### Journal Rank:

JCR - Q2 (Mining and Mineral Processing) / CiteScore - Q1 (Geology)

### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.7 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).

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