Special Issue

Iron Oxide-Copper-gold (IOCG) Deposits

Message from the Guest Editor

The discovery of the Olympic Dam, and its definition as a new type of copper deposit with important resources and other commodities (Fe, Au, U) and Iron Oxide-Copper-Gold (IOCG) deposits, has caused great interest in formation processes and characteristic guidelines that are useful for their exploration. New discoveries have emphasized a hydrothermal origin of these deposits but the metal source, and especially the relationship with IOA (Iron oxide-apatite, or Kiruna type) deposits, are still discussed. This Special Issue aims to bring together new discoveries, studies in the areas of mineralogy, alteration, genesis, classification and structural control, and to review the current state-of-the-art in terms of knowledge. We welcome studies from all these areas, including new geological models and exploration guides. Keywords

- IOCG
- IOA
- Kiruna
- genesis
- classification
- characteristics
- alteration
- magnetite
- hematite
- sulfides
- breccias

Guest Editor

Prof. Fernando Henriquez

Departamento de Ingeniería en Minas, Facultad de Ingeniería, Universidad de Santiago de Chile, Santiago, Chile

Deadline for manuscript submissions

closed (20 April 2019)

Minerals

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.4

mdpi.com/si/12234

Minerals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
minerals@mdpi.com

mdpi.com/journal/minerals

Minerals

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.4

mdpi.com/journal/minerals

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

Prof. Dr. Leonid Dubrovinsky
Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth, Germany

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), 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 18.2 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

MDPI