Special Issue

Traceability of Minerals and Metals via Geochemical Fingerprinting

Message from the Guest Editors

The traceability of minerals and metals refers to the ability to identify and trace the history, location, distribution, and application of the product, part, and material in the supply chain. With a mounting interest in raw material traceability, it is reckoned that more proof-of-concept studies should be carried out. This Special Issue, "Traceability of Minerals and Metals via geochemical fingerprinting", is specifically devoted to such proof-of-concept studies. It is hoped that this SI may provide the first opportunity of its kind for communicating and publishing novel results on mineral and metal traceability. The SI will welcome all submissions concerning traceability concept and techniques, but a preference will be given to mineral deposit studies and geometallurgy that address the deposit-scale homogeneity and along-chain trackability issues. The SI has no preferences about the raw material under study. The material could be critical or strategic or neither, and it could be industrial metals, construction materials, or even gemstones.

Guest Editors

Dr. Xuan Liu

Geological Survey of Finland, P.O. Box 96, FI-02151 Espoo, Finland

Dr. Iryna Makarava

Hydrometallurgy and Corrosion, Circular Raw Materials Hub, Department of Chemical and Metallurgical Engineering, Aalto University, FI-00076 Aalto, Finland

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

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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

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

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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).

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