

Special Issue

Elemental Concentration and Pollution in Soil, Water, and Sediment

Message from the Guest Editors

Certain elements are essential to the growth and health of living organisms with specific biochemical functions or processes in their metabolisms. However, when the amount of a trace element exceeds a certain threshold, it can become toxic. Therefore, the environmental levels of various trace elements in soil, water, or sediment are of major concern due to their potential adverse health effects. This Special Issue aims to cover a broad range of topics relevant to the presence of trace elements in different ecosystems, such as:

- mobilization of trace elements in the environment;
- presence of trace elements associated with natural and anthropogenic sources;
- transport of trace elements among different environmental compartments;
- natural geochemical and biological processes that govern metal transportation;
- weathering of trace-element-bearing rocks;
- release of metal(loids) and technology-critical elements (TCEs) into the environment;
- toxicity for living organisms, and the bioaccumulative potential of trace elements;
- trophic transfer in aquatic and terrestrial food chains/webs; and
- environmental and health concerns with trace elements.

Guest Editors

Dr. Ana Romero Freire

Department Soil Science and Agricultural Chemistry, University of Granada, Granada, Spain

Dr. Hao Qiu

School of Environmental Science and Engineering, Shanghai Jiao Tong University, Shanghai 200240, China

Deadline for manuscript submissions

closed (18 June 2021)



Minerals

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.4



mdpi.com/si/48949

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

[mdpi.com/journal/
minerals](https://mdpi.com/journal/minerals)





Minerals

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.4



[mdpi.com/journal/
minerals](https://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).