# **Special Issue**

## Chemistry and Mineralogy of Industrial Residues

## Message from the Guest Editor

Materials are at the basis of any industry, and their lifecycle plays a significant role in economic assessments. Within a material's cycle, industrial residues are unavoidable and most often undesired byproducts. Nevertheless, efforts are ongoing to identify ways we can exploit these byproducts by reusing and recycling them. However, in order to achieve this, we must first achieve full knowledge of the chemistry and reactivity of industrial waste. The process of acquiring this necessary knowledge begins with the characterization of their constituents, which in most cases do have a natural mineralogical counterpart. In this Special Issue, we aim to collect contributions, especially reviews of the present state of the art in the chemical composition and reactions of industrial residues, spanning from the characterization and analytic techniques of investigation to reuse and recycling and toxicology matters. The main focus is applied sciences, but basic investigations of the chemical, structural, and thermodynamic behavior of minerals in industrial residues are welcomed.

### **Guest Editor**

Prof. Dr. Mario Tribaudino Dipartimento di Scienze della Terra, Università degli Studi di Torino, 10124 Turin, Italy

### Deadline for manuscript submissions

closed (27 January 2023)



an Open Access Journal by MDPI

Impact Factor 2.2 CiteScore 4.4



mdpi.com/si/105449

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



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).