minerals

an Open Access Journal by MDPI

IMPACT FACTOR 2.2

CITESCORE 4.1

Solid-Phase Extraction and Determination of Precious Metals

Guest Editors:

Prof. Dr. Vladimir N. Losev
School of Non-Ferrous Metals and Material Science, Siberian Federal University, 660041 Krasnoyarsk, Russia

Dr. Elena Borodina
Scientific Research Engineering Center "Kristall", Siberian Federal University, 660041 Krasnoyarsk, Russia

Dr. Olga Buyko
School of Non-Ferrous Metals and Material Science, Siberian Federal University, 660041 Krasnoyarsk, Russia

Deadline for manuscript submissions:
closed (17 September 2021)

Message from the Guest Editors

Due to their unique chemical and physicochemical properties, precious metals are widely used in various fields of science and technology. In nature, precious metals are found in low concentrations and are accompanied by predominant amounts of background elements...This Special Issue aims to publish papers on new adsorbents and approaches for preconcentration, separation and subsequent determination of precious metals and their species in samples of various composition using various methods of analysis, sensors and test systems, as well as works aimed at solving the main problems of solid-phase extraction of precious metals: separation of a group of precious metals from the prevailing amounts of related elements; separation of platinum metal ions that are kinetically labile in the reactions of ligand substitution from kinetically inert ones; separation of platinum metals with similar chemical properties. Papers on the combination of methods for the decomposition of mineral raw materials, solid-phase extraction and subsequent off-line or on-line determination are also welcome.

minerals

IMPACT FACTOR 2.2

CITESCORE 4.1

an Open Access Journal by MDPI

Editor-in-Chief

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.
Journal Rank: JCR - Q2 (*Geochemistry and Geophysics*) / CiteScore - Q2 (*Geology*)

Contact Us

Minerals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/minerals
minerals@mdpi.com
𝕏@Minerals_MDPI/