





an Open Access Journal by MDPI

Valuable Metals Recovery by Mineral Processing and Hydrometallurgy

Guest Editors:

Prof. Dr. Marinela Ivanova Panayotova

Department of Chemistry, University of Mining and Geology, St. Ivan Rilski, 1700 Sofia, Bulgaria

Prof. Dr. Vladko Panayotov

Bulgarian Academy of Sciences, 1040 Sofia, Bulgaria

Deadline for manuscript submissions:

closed (30 November 2023)

Message from the Guest Editors

Dear Colleagues,

Sustainable development of our society, the breakthrough innovations, as well as we all need metals. All metals (not only precious and classified as critical for the present and near future) required both for high technologies and our everyday life are valuable and their demand will increase with time. Humankind is forced to use leaner and more complex processing for ores, which requires novel technological solutions for mineral processing and metal extraction. In order to obtain enough metals for our future, the recovery of metals from secondary sources, such as waste from mining, mineral processing and extractive metallurgy, has to be considered.

Potential challenges to future metals extraction technologies also include the accelerating climate change, the soaring energy prices, and, perhaps the most important future problem, the lack of clean water, along with the need to use resources efficiently and comprehensively, while also protecting the environment.

Papers presenting solutions and discussing all the abovementioned aspects and challenges to metals recovery by mineral processing and hydrometallurgy are invited for this Special Issue.











an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Leonid DubrovinskyBayerisches 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 (*Mining & Mineral Processing*) / CiteScore - Q2 (*Geology*)

Contact Us