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Potentially Toxic Elements in Soils Affected by Metal Mining and Processing, 2nd Edition

Guest Editors:

Prof. Dr. Anna Karczewska
Institute of Soil Science and Environmental Protection, Wrocław University of Environmental and Life Sciences, 50-375 Wroclaw, Poland

Prof. Dr. Karolina Lewińska
Department of Environmental Remote Sensing and Soil Science, Faculty of Geographical and Geological Sciences, Adam Mickiewicz University in Poznan, ul. Bogumiła Krygowskiego 10, 61-680 Poznań, Poland

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Message from the Guest Editors

The production of metals has always been and remains an important constituent in the development of civilization. Mining of metal ores, as well as their processing, which involves various methods of concentration and smelting, belong to those human activities that strongly affect the environment. They usually lead to their considerable enrichment in potentially toxic elements, such as heavy metals and metalloids...potentially toxic metals and metalloids that have accumulated in soils for decades or centuries can still pose a considerable risk to human health and ecosystems. Their transformations can lead to either beneficial or detrimental effects.

This Special Issue of *Minerals* welcomes works dealing with various problems related to soil contamination in the sites affected by metal ore mining and processing, including weathering of metal(loid)-hosting minerals, biogeochemistry of potentially toxic elements in soils, their release into water and uptake by plants, and assessment of associated environmental risk, as well as the methods of soil remediation.

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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.

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Contact Us

Minerals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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