Special Issue

Distribution and Detection of Toxic Elements in Soil and Sediments

Message from the Guest Editors

This Special Issue invites research papers on the various environmental aspects of soil and sediment pollution, with an emphasis on predictive soil mapping techniques to better understand the relationships between soil and the environment. Predictive soil mapping was created after the increase in computer efficiency and capacity, geo-information technology, and data availability, and it requires accurate and reliable maps. The application of novel modelling techniques and the development of realistic models play important roles in determining toxic elements and reconstructing major distribution pathways. Soil and sediment field measurements with multi-source geoscience datasets are being applied, developed, and incorporated into spatial distribution models. Regulatory issues and legal considerations are also of interest in this Special Issue. Submissions with results from different regions of the world are especially welcome to ensure a worldwide perspective on this topic.

Guest Editors

Dr. Robert Šajn

Geological Survey of Slovenia, 1000 Ljubljana, Slovenia

Prof. Dr. Trajče Stafilov

Institute of Chemistry, Faculty of Science, Ss. Cyril and Methodius University, Skopje 1000, North Macedonia

Deadline for manuscript submissions

closed (31 December 2023)

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

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