Special Issue

Concentration and Distribution of Heavy Metals in Soils

Message from the Guest Editor

This Special Issue will provide an interdisciplinary viewpoint applying new knowledge-based to study the contamination of soils and plants and their location in distintic climatic, and geochemical conditions. This labour requires the development of diverse and holistic approaches (multi-media, multi-analytic and multi-elemental) to evaluate and prevent the pollution. Due to progressive population expansion to abandoned industrial areas as well as other mining, urban, traffic and military areas the research of innovative technology of soil modeling process and remediation is becoming an important theme. Papers of occurrence, migration and accumulation of rare earth and potentially toxic elements in soils and dust (street, attic and household), from different natural (e.g. volcanic activity, forest fire, soil erosion, biological material) and anthropogenic (e.g. vehicular emission, industy, metalurgy, mining, combustion) sources are welcome. The research of dynamics of native and non-native potentially harmful elements and their spatial distribution in soils are necessary for the restoration of polluted sites.

Guest Editor

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Deadline for manuscript submissions

closed (13 May 2022)

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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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