Special Issue

Environmental Pollution and Assessment in Mining Areas

Message from the Guest Editors

Abandoned metal mining sites have left a degraded environmental legacy, threatening the ecosystem and human health, particularly by the presence of potentially harmful elements (PHEs), such as As, Cd, or Pb. Before planning a soil remediation program, it is necessary to study the PHEs content, the natural mobility, the potential mobilization, and the toxicity effects, in order to obtain a comprehensive environmental and health risks. The main objectives of this Special Issue focus on the study of the impact that the exploitation of mining deposits can have on the environment and its possible remediation. This study includes the evaluation of the levels of pollutants in soil and water, as well as the study of their source of origin and the processes by which they are dispersed.

Guest Editors

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Deadline for manuscript submissions

closed (20 December 2024)

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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.

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