



Heavy-Metal Soil Contamination: Sources, Opportunities, and Sustainable Solutions

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Message from the Guest Editor

This Special Issue will offer an interdisciplinary perspective and apply new insights to examine soil contamination and promote environmentally sustainable management. With urban growth and the ongoing expansion of populations into abandoned industrial, mining, urban, traffic, and military areas, innovative technologies for soil modeling processes and remediation represent an increasingly important research topic.

We welcome the submission of papers on the occurrence, migration, and accumulation of rare-earth elements and potentially toxic elements in soils and dust, originating from various natural sources and anthropogenic sources. Sustainability is a new priority in the remediation of contaminated land. Research on the behavior and spatial distribution of both native and non-native potentially harmful elements in soils is essential to the restoration of contaminated sites. The potential of artificial intelligence (AI), machine learning (ML), and deep learning (DL) to tackle these challenges is significant, as the advent of these technologies has transformed data management and analysis processes.





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Message from the Editor-in-Chief

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