



Retention of Metal(loid)s in Soils Contaminated by Mining and Smelting

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Message from the Guest Editors

Dear Colleagues,

Metals and metalloids in soils represent a potential risk for the environment when they are mobilized. Therefore, recent efforts are focused on the stabilization of risk elements in situ to limit their release and bioavailability using various soil amendments. Mining and smelting areas represent specific multi-element contaminated sites with long-term leaching of contaminants from several sources, including waste rock or metallurgical residues.

The investigation of different forms of metal(loid)s (e.g., Cu, Cd, Pb, Zn, As, Sb), their stable or reactive compounds, and their behavior and transport in the environment are crucial for (i) assessing the environmental hazards, (ii) evaluating natural attenuation, and (iii) selecting the most appropriate amendment for their immobilization.

This Special Issue aims to provide a complex image on metal(loid) retention when assessing contaminants' fate and behavior in soils, with particular focus on (post-)mining and smelting areas and potentials for their remediation.





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Message from the Editor-in-Chief

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