



Soil Chemistry in Forestry and Agroforestry Systems—Heavy Metal Pollution

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Message from the Guest Editors

Forest and agroforestry systems can contribute to addressing current and future environmental challenges. However, these ecosystems are susceptible to the heavy metal pollution generated by natural causes or human activities. This can impact water and soil quality, as well as the ecosystem services provided. These ecosystems play a crucial role in environmental sustainability, as they support biodiversity, mitigate climate change, and provide essential resources. Heavy metal pollution can originate from a variety of sources such as mining, industrial activities and agricultural practices and can accumulate in soils, affecting water quality, plant health and overall ecosystem vitality.

As cutting-edge research, we expect studies encompassing advanced monitoring methodologies, environmental consequences, the major sources and fates of heavy metals, impacts on soil quality, wildlife, and human health, as well as successful cases of ecosystem remediation techniques (e.g., phytoremediation, biodegradation, agromining, conservation policies, etc.).



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