

Special Issue

Heavy-Metal Pollution and Remediation of Forest Soil

Message from the Guest Editors

Forests play important roles in purifying environmental pollutants. However, relevant studies involving forest soil remediation appear insufficient. Therefore, it is necessary to gather more knowledge about the potential and capacity of heavy metals in forest soils, in order to construct appropriate forest stands and develop scientific management techniques to rehabilitate forests soils. This Special Issue includes but is not limited to following topics:

- Transformation and transfer processes of heavy metals, and their bioavailabilities in forest soils;
- Current status and spatial variation of heavy metal pollution, sources, and potential risks of heavy metals in forest ecosystems;
- Ecotoxicological responses and remediation mechanisms of forest organisms;
- Biogeochemical cycle of heavy metals in forest ecosystems;
- Screening of organisms with remediation potential, and genetic improvement of forest trees to enhance phytoremediation capacity;
- The effect of heavy metal pollution on ecosystem processes, such as interspecific competition;
- Contamination control and new management strategies or technologies to remove heavy metals from forest.

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