



Heavy Metals in Farmland Soils: Mechanisms and Remediation Strategies

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Deadline for manuscript
submissions:

20 May 2024

Message from the Guest Editors

Soil is the foundation for sustainable agricultural development. Heavy metals (HMs) are common pollutants in the soil, and this type of contamination is biologically toxic, and persists long-term in the soil. The accumulation of HMs in farmland also leads to declines in the soil buffering capacity and fertility, thus affecting crop growth and even reducing crop yields. This Special Issue invites to publish original, scientifically challenging research articles. Specific topics of interest include, but are not limited to, the following:

Heavy metal pollutant exposure;

Environmental occurrences, transport, behavior, and effects of heavy metal pollutants in farmland soil;

Environmental heavy metal pollutants in farmland soil;

Food safety and environmental safety;

New technologies for soil heavy metal remediation in farmland;

Agronomy for heavy metal remediation;

Modeling of pollution processes in farmland soil environments;

Soil chemical, physical and biological process of heavy metals;

Effect of heavy metals on plant productions systems;

Crop genomic research on resistance or hyper-accumulation of heavy metals in farmland.





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Message from the Editor-in-Chief

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