

Special Issue

Heavy Metals in Farmland Soils: Mechanisms and Remediation Strategies

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

Guest Editors

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Deadline for manuscript submissions

closed (20 November 2024)



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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

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