



Mechanisms of Blocking, Controlling and Remediating Heavy Metal Pollution in Farmland

Guest Editors:

Dr. Alessia Corami

School of Geoscience, University
of Louisiana at Lafayette,
Lafayette, LA 70504, USA

**Prof. Dr. Andrew S.
Hursthouse**

School of Computing,
Engineering & Physical Sciences,
University of the West of
Scotland, Paisley PA1 2BE, UK

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Message from the Guest Editors

Significant metal concentrations in soil (i.e. potentially toxic elements—PTEs) are a widespread problem, especially for the management of agricultural land. PTEs enter the soil and are persistent, with pollution accumulating. This results in a wider impact on the ecosystem; biological uptake within the soil biome and into the food chain as well as releases into soil–water systems. It presents a significant challenge to maintain and exploit soils for agriculture. Nature-based solutions to this issue are needed and are fundamental for sustainable development.

This Special Issue concerns the application of in situ techniques and nature-based solutions to tackle different concentrations of contaminants in farmland soils. We invite submissions of critical reviews and primary research papers addressing the impact of pollution on agricultural soils; strategies to manage and remediate PTEs; and long-term outlooks on regulation, food security, and public health. Ideally, these works should highlight sustainable development goals and the linkage between policy and public health.





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Prof. Dr. Peter Langridge

School of Agriculture, Food and
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Message from the Editor-in-Chief

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Agronomy Editorial Office
MDPI, St. Alban-Anlage 66
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