

Special Issue

Heavy Metal Pollution and Prevention in Agricultural Soils

Message from the Guest Editor

The rapid advancement of industrialization has significantly worsened environmental degradation, with human activities contributing to substantial heavy metal infiltration into farmland soils. Consequently, crops absorb and accumulate these harmful metals during their growth. Over time, these metals can build up in the human body, potentially causing severe health issues and posing a long-term threat to human well-being. Remediating and managing farmland soils with light to moderate heavy metal pollution presents unique challenges. The primary difficulty lies in balancing the preservation of arable land with the minimization of metal accumulation in crops. Although extensive research has yielded some practical interim results, many issues persist due to objective constraints, necessitating further exploration. This Special Issue aims to explore in depth how to restrict heavy metal activity in farmland soils and reduce heavy metal accumulation in crops. Through this Special Issue, we hope to provide references and guidance for the safe utilization of farmland soils contaminated by heavy metals.

Guest Editor

Dr. Bo Xu

College of Resources and Environmental Sciences, Fujian Agriculture and Forestry University, Fuzhou 350002, China

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Agronomy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agronomy@mdpi.com

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Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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