

Special Issue

Heavy Metals in Soil: Source, Transformation, Transfer, Risk and Pollution Remediation

Message from the Guest Editor

Accumulation and contamination of heavy metals in soil have attracted worldwide concern because high concentrations of heavy metals in soil may induce deleterious effects on human health via multiple pathways, such as food chain, dermal contact and inhalation. For soil health management and sustainable land use, our understanding should be improved about quantitative source apportionment of heavy metals in soil, ecological and human health risk issues caused by metals in soil, transformation and transfer of metals, especially in soil-crop-human systems as well as remediation strategies of soil metal pollution with consideration of different metal elements and land use, which is also the aim of this Special Issue. Here, are some examples of topics that could be addressed in this Special Issue (but are not limited to):

- New insights in source apportionment and impact of heavy metals in soil
- Factors influencing biogeochemistry process of trace metals in soil-crop-human systems
- Novel methodology or integrated approaches of ecological and human health risk assessment
- Novel single or combined remediation methods of metal pollution in soil

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2023)



International Journal of Environmental Research and Public Health

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CiteScore 8.5
Indexed in PubMed



mdpi.com/si/156728

*International Journal of
Environmental Research and
Public Health*

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

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