



Remediation Techniques to Mitigate the Effects of Soil Pollution by Heavy Metals

Guest Editors:

Prof. Dr. Yuanan Hu

School of Water Resources and Environment, China University of Geosciences (Beijing), Beijing 100083, China

Dr. Wumei Xu

School of Energy & Environment Science, Yunnan Normal University

Deadline for manuscript submissions:

31 July 2025

Message from the Guest Editors

Dear Colleagues,

Soil plays a fundamental role in food safety, and the adverse effects of contaminants on crops and vegetables pose severe threats to human health. In recent years, soil contamination by heavy metals has garnered widespread attention. Heavy metals in soils can be contributed by both natural and anthropogenic sources, such as mining, smelting, fossil fuel combustion, industrial production, and agrochemical applications. The transformation and accumulation of heavy metals in soils, their consequent risks, and pollution control and remediation measures are important topics in the field of environmental research. Generally, reducing the emission from various sources is an effective strategy for improving soil quality, and remediation techniques have been developed to clean up or restore polluted soils. These remediation methods may employ different working mechanisms and have specific advantages and limitations.

This Special Issue aims to share the experiences and knowledge in the field of heavy metal soil pollution and remediation techniques. We welcome submissions of both original research articles and reviews.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
X@Sus_MDPI