Special Issue

Toxic Metal Remediation: Recent Advances in the Development of a Green and Sustainable Environment

Message from the Guest Editors

For centuries, toxic metals (e.g., Cd, As, Hg, Cr, and Pb) have been considered hazardous to humans and ecotopes due to their toxicity, persistence, and biological accumulation, with damage to human health occurring through complex multi-pathways. In particular, water and soil are the top two media for which pollution cases are reported and require the most attention. The chemical behavior and fate of toxic metals in aquatic and soil systems, the interaction of toxic metals with various environmental elements, and the risk of their exposure to human beings through different pathways must be well understood, along with the implementation and development of remediation. This Special Issue aims to highlight the application and/or development of new and/or improved approaches, models, materials, and techniques. We welcome contributions on any aspect of remediation strategies for toxic metals and their corresponding behavior and fate in water and soil systems. The goal of the Special Issue is to provide information to research fellows, policymakers, and professionals to assist in resolving toxic metal assessment and pollution control problems.

Guest Editors

Dr. Jia Wen

College of Environmental Science and Engineering, Hunan University, Changsha 410005, China

Prof. Dr. Xiaofei Tan

College of Environmental Science and Engineering, Hunan University, Changsha 410005, China

Deadline for manuscript submissions

closed (31 December 2024)

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/si/151827

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

mdpi.com/journal/sustainability

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/journal/sustainability

MDPI

About the Journal

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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon
School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

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, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)