

Special Issue

Biological Comprehensive Remediation of Soil and Water Contaminated by Heavy Metals

Message from the Guest Editors

The proliferation of heavy metal(loid)s in the environment due to population growth, urbanization, industrialization, etc., is a major problem that has caused widespread environmental contamination. Due to their frequent use in industrial processes, heavy metals are released into the environment and can be found in water, air, and soil. Cadmium, arsenic, lead, chromium, nickel, copper, and mercury are the most common heavy metal(loid)s that can pollute the environment. Inside living organisms, heavy metal(loid)s can provoke numerous noxious effects, such as cancer of various organs. Therefore, it is of prime importance to remediate water and soil contaminated by heavy metal(loid)s to minimize human exposure to toxic metal(loid)s. The prime objective of the current Special Issue is to focus on the occurrence, biogeochemistry, and risk assessment of heavy metals in the soil–water–plant–human continuum, as well as the biological techniques for remediating heavy-metal-contaminated soil and water. We encourage and welcome authors to submit original research and review articles to this Special Issue.

Guest Editors

Dr. Muhammad Shahid
Dr. Behzad Murtaza
Dr. Jibran Iqbal

Deadline for manuscript submissions

closed (31 August 2023)



Toxics

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/166371

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

[mdpi.com/journal/
toxics](https://mdpi.com/journal/toxics)





Toxics

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed



[mdpi.com/journal/
toxics](https://mdpi.com/journal/toxics)



About the Journal

Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

Editor-in-Chief

Dr. Demetrio Raldúa
Department Environmental Chemistry, IDAEA-CSIC, Jordi Girona 18,
08034 Barcelona, Spain

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Toxicology) / CiteScore - Q1 (Chemical Health and Safety)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the second half of 2025).