Special Issue

Integrated Remediation Processes toward Heavy Metal-Contaminated Environment

Message from the Guest Editors

With the development of urban industrialization and the utilization of mineral resources, a lot of toxic pollutants enter the water ecosystem, agricultural soil and atmosphere, which cause a serious threat to human health. Under the national dual carbon target, researchers are trying to exploit the integrated technologies for pollution removal and carbon reduction. To date, various remediation technologies have been developed worldwide to deal with the contaminated water, soil, or even groundwater. It is expected that the dual carbon target associated with heavy metal remediation can be concurrently achieved. This Special Issue aims to receive submissions of high-quality, original, and previously unpublished research on the fundamental theory and engineering practice of the heavy metal remediation technologies, including, but not limited to, the following topics:

- Biogeochemical processes of heavy metal, including migration, transformation, fate, oxidation, reduction;
- Advanced heavy metal remediation technology (targeting, persistence, mechanism);
- Ecological safety assessment methods of remediation technology.

Guest Editors

Dr. Liang Hu

Dr. Luhua Jiang

Dr. Zhigang Yu

Deadline for manuscript submissions

closed (15 September 2024)

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

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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

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.1 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).