

Special Issue

Heavy Metal Contamination and Its Effects on Ecosystems and Human Health: Challenges and Solutions

Message from the Guest Editor

Naturally occurring elements with a high density that are harmful to all living things, including humans, are known as heavy metals. Lead, mercury, cadmium, arsenic, nickel, copper, and chromium are a few examples of prevalent heavy metals. They have been a major environmental problem, posing severe threats to ecosystems and human health due to their long-term environmental persistence.

The remediation of heavy metal-contaminated soil is necessary to reduce the risks related to this contamination. Many techniques are used to minimize or remove heavy metals from the soil. Techniques like excavation and soil capping entail physically removing the contaminated soil or covering it with a barrier. The goal of chemical techniques like soil cleaning and chemical immobilization is to alter the chemical makeup of heavy metals in the soil so that they are less mobile and accessible to plants and other living things. Bioremediation offers an eco-friendly and cost-effective approach for the removal of heavy metals from the environment using certain species of plants and microorganisms.

Guest Editor

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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.

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