Special Issue

Safe Utilization and Ecological Restoration of Heavy Metal Polluted Farmland

Message from the Guest Editors

To address heavy metal pollution, regulations and guidelines are implemented to control and minimize the release of heavy metals into the environment. This includes the enforcement of emission standards for industries, the proper management and disposal of hazardous waste, and the implementation of monitoring programs to assess the levels of heavy metal contamination in different environmental compartments. The Remediation of heavy metal-contaminated soil is crucial to mitigate the risks posed by this pollution. Several techniques are employed to remove or reduce heavy metals from the soil. Physical methods, such as excavation and soil capping, involve physically removing the contaminated soil or covering it with a barrier to prevent further contamination. Chemical methods, such as soil washing and chemical immobilization, aim to change the chemical properties of heavy metals in the soil, making them less mobile and less available to plants and organisms. Biological methods, such as the use of plants in phytoremediation, utilize certain plant species that can accumulate and remove heavy metals from the soil.

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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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