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

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Message from the Guest Editors

Dear Colleagues,

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.

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Message from the Editor-in-Chief

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