



toxics

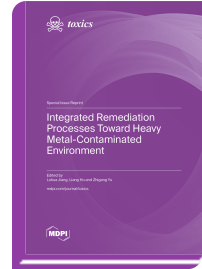


Special Issue Reprint

Integrated Remediation Processes toward Heavy Metal-Contaminated Environment

www.mdpi.com/books/reprint/11753

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ISBN 978-3-7258-5745-6 (Hardback)
ISBN 978-3-7258-5746-3 (PDF)

The rapid development of urban industrialization and mineral resource utilization has led to the widespread release of toxic heavy metals into water, soil, and the atmosphere, posing serious threats to ecological security and human health. This reprint is dedicated to advancing the fundamental theories and engineering practices of heavy metal remediation. It showcases high-quality, original research on a range of innovative technologies and strategies, including the application of environmental microorganisms, functional materials, and multi-technology combinations. It also encompasses biogeochemical processes of heavy metals (migration, transformation, and fate), advanced remediation technologies (targeting, persistence, and mechanisms), and ecological safety assessment methods, ultimately contributing to the co-achievement of a cleaner environment.



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