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Biologically Enhanced Treatments of Hazardous Pollutants in Soil and Water: Biodegradation, Transformation, and Remediation

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Deadline for manuscript submissions:

closed (28 December 2023)

Message from the Guest Editors

This Special Issue aims to feature full-length articles, reviews, and communications addressing the current research progress on bioremediation processes, co-metabolic mechanisms, plant-microbe interactions and novel technologies developed for enhanced bioremediation, highly efficient degrading microorganism screening, and the construction of genetically engineered bacteria in contaminated soil remediation and polluted water treatment.

Topics may include, but are not limited to, the following:

- New developments in biologically enhanced treatments;
- Characterization of the interactions of bioaugmentation agents with pollutants and plants or other microorganisms used in the bioremediation process;
- Identification of co-metabolic mechanisms, biodegradation pathways, and transformation of pollutants in soil remediation and water treatment processes;
- Assessment of the risks and benefits of biologically enhanced treatments to human and environmental health.

We look forward to receiving your contributions.



mdpi.com/si/143437

Special Issue



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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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