Toxicity and Waste

Management Using Bioremediation

Toxicity and Waste Management Using Bioremediation

Part of the Advances in Environmental Engineering and Green Technologies (AEEGT) Book Series

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Description:

Bioremediation is an emerging field of environmental research. The objective of a bioremediation process is to immobilize contaminants (reactants) or to transform them into chemical products that do not pose a risk to human health and the environment.

Toxicity and Waste Management Using Bioremediation provides relevant theoretical and practical frameworks and the latest empircal research findings on the remediation of contaminated soil and groundwater using bioorganisms. Focuses on effective waste treatment methodologies and management strategies that lead to improved human and environmental health.

Readers:

This timely publication is ideal for use by environmenal scientists, biologists, policy makers, graduate students, and scholars in the fields of environmental science, chemistry, and biology.

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Topics Covered:

- Biodegradation
- Bioremediation Technologies
- Biosorption Techniques
- Genetic Engineering

- Genomics in Bioremediation
- Heavy Metal Pollution
- Metal Toxicity
- Phytoremediation

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