

# Bioreactor and ex situ biological treatment technologies

## Battelle Press - Bioremediation techniques

Description: -

- China -- In art.
- Chinnery, George, -- 1774-1852.
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- Ambassadors spouses -- United States -- Biography
- Kirk, Alan Goodrich, -- 1888-1963 -- Marriage
- Kirk, Lydia
- Muhammad, -- Prophet, -- d. 632 -- Military leadership.
- England -- Church history -- Sources
- Denver Metropolitan Area (Colo.) -- Population.
- Denver Metropolitan Area (Colo.) -- Statistics, Vital.
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- Bioremediation -- Congresses.
- Bioreactor and ex situ biological treatment technologies
- Bioreactor and ex situ biological treatment technologies
- Notes: Includes bibliographical references and indexes.
- This edition was published in 1999

Tags: #Biological #treatment  
#solid\_hazardous\_waste

## BIOREACTOR AND EX SITU BIOLOGICAL TREATMENT TECHNOLOGIES

Some microbes may die and some may thrive. The use of nanomaterials could help reduce the toxicity of pollutant to microorganisms.

### Ex situ Bioremediation

Moreover, following phytoremediation, there might be improved soil fertility due to



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input of organic matter Mench et al.

### Remediation Technology Descriptions for Cleaning Up Contaminated Sites

Air Sparging involves the injection of air or oxygen through a contaminated aquifer to remove volatile and semivolatile organic contaminants by volatilization. The cells form a sludge, which is settled out in a clarifier, and is either recycled to the aeration basin or disposed.

### Biological treatment of N

During the initial stages of decomposition, the pH is acidic ~5.

### Ex situ Bioremediation

Electron donor half reaction Rd 2.

## **Remediation Technology Descriptions for Cleaning Up Contaminated Sites**

Recently, researchers have focused on coupling PRB and other methods such as electrokinetics for treatment of different class of pollutants García et al.

### **Bioremediation techniques**

Partial nitritation ANAMMOX in submerged attached growth bioreactors with smart aeration at 20 °C. Moreover, bioreactor-based bioremediation is not a popular full-scale practice due to some reasons.

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## Related Books

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