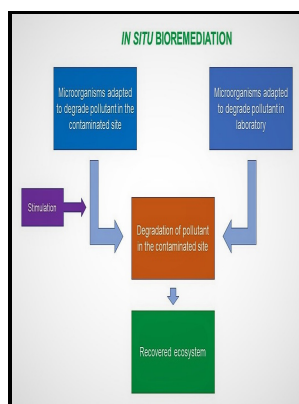


Bioremediation of pollutants in soil and water

ASTM - BIOREMEDIATION



Description: -

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Municipal finance -- United States -- Bibliography.
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Water -- Purification.
Soil remediation.
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Bioremediation for a cleaner environment

Like other technologies, bioremediation has its limitations. The third class involves biopiles: a hybrid of stacking material in silos, then composting as a biological treatment. Seeding or bioaugmentation could be useful too.

Bioremediation: Principle, Need, Advantages and Limitations

However, apart from the enzymatic mode of bioremediation in fungi, biosorption could also occur.

Bioremediation Techniques, Types, Advantages and Disadvantages

After remediation they are restored in their original place. This can be extremely bad when it occurs, as it makes it easier for the contamination to spread in an environment. Because of the adaptability of microbes and other biological systems, these can be used to degrade or remediate environmental hazards.

The Role of Microorganisms in Bioremediation

In situ techniques are defined as those that are applied to soil and groundwater at the site with minimal disturbance. As bioremediation can be effective only where environmental conditions permit microbial growth and activity.

Bioremediation for a cleaner environment

Some microbes thrive on air, while others are hindered when exposed to excessive oxygen. There are several factors affecting the efficiency of bioremediation process and risks associated to the use of genetically modified micro-organisms. The process of enhancing the native microbial population or adding microbes to the biome capable of breaking down petroleum compounds is referred to as bioaugmentation.

Bioremediation: Principles and Applications

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