

environmental biotechnology biodegradation bioremediation pdf

Microbial biodegradation is the use of bioremediation and biotransformation methods to harness the naturally occurring ability of microbial xenobiotic metabolism to degrade, transform or accumulate environmental pollutants, including hydrocarbons (e.g. oil), polychlorinated biphenyls (PCBs), polyaromatic hydrocarbons (PAHs), heterocyclic ...

Microbial biodegradation - Wikipedia

Bioremediation uses microorganisms to degrade organic contaminants in soil, groundwater, sludge, and solids. The microorganisms break down contaminants by using them as an energy source or cometabolizing them with an energy source.

Bioremediation : Clean-up Information- (EPA: Environmental

Another factor influencing the biotechnology sector's success is improved intellectual property rights legislation and enforcement worldwide, as well as strengthened demand for medical and pharmaceutical products to cope with an ageing, and ailing, U.S. population.

Biotechnology - Wikipedia

Polycyclic aromatic hydrocarbons (PAHs) are a large group of chemicals. They represent an important concern due to their widespread distribution in the environment, their resistance to biodegradation, their potential to bioaccumulate and their harmful effects.

Biodegradation of polycyclic aromatic hydrocarbons (PAHs

Synthetic plastics are extensively used in packaging of products like food, pharmaceuticals, cosmetics, detergents and chemicals. Approximately 30% of the plastics are used worldwide for packaging applications.

Biological degradation of plastics: A comprehensive review

Our Department started (in 1986) the earliest set of M. Tech. programs in Biotechnology & Biochemical Engineering in the country and received support from DBT, Government of India, since then.

Department of Biotechnology, Indian Institute of Technology

3 Biotech is published by Springer in cooperation with the King Abdulaziz City of Science and Technology (KACST) in Saudi Arabia. It was founded in 2010 and received its first impact factor of 0.992 in 2015.

Biotechnology - springer.com

Research Areas. Plant Molecular Biology; Functional Genomics of Rice Crop; Biotechnology of Plants, Fungi and Algae; Lipid Metabolic Engineering; Bioprospecting of Endophytic Microbes

Indian Institute of Technology Kharagpur

Revisión . Fitorremediación: una alternativa para eliminar la contaminación . Phytoremediation: an alternative to eliminate pollution . Angélica Evelin Delgadillo-López 1 *, César Abelardo González-Ramírez 1, Francisco Prieto-García 1, José Roberto Villagómez-Ibarra 1 and Otilio Acevedo-Sandoval 2

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