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Industrial waste water treatment

This study shows the pros and cons of using the combination of various technologies for industrial waste water treatment plant. Rapid industrialization, intensive agriculture and other human activities cause soil degradation, pollution and lowers the productivity and sustainability of the crops that further increase the pressure on natural resources and contribute to their degradation. Environmental bio remediation is an effective management tool for managing the polluted environment and in restoring the contaminated soil. The use of microbial sources, coupled with advanced technology is one of the most promising and economic strategies for the removal of environmental pollutants. There is a strong scientific growth with both the in situ and ex situ ways of bio remediation, in part due increased use of natural damping as most of the natural attenuation is due to bio degradation. The degradation of pollutants by environmental bio remediation technology, can be a lucrative and environmentally friendly alternative. This article provides an overview of the important environmental bioremediation technologies and their application in treating the industrial waste water.

Biography

Maulin P Shah is currently working as the Chief Scientist and Head, Industrial Waste Water Research Lab, Division of Applied and Environmental Microbiology Lab at Enviro Technology Ltd., Ankleshwar, Gujarat, India. He has received his PhD in Environmental Microbiology from Sardar Patel University, Vallabh Vidyanagar, Gujarat. He has served as an Assistant Professor at Godhra, Gujarat University. He is a Microbial Biotechnologist with diverse research interest.

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