Special Issue

Sustainable Technologies for Wastewater Treatment & Soil Remediation

Message from the Guest Editors

Industrial development, unplanned urbanization, and rapid population growth have led to serious environment and human health concerns. Among the various factors, discharge from industries plays a key role in polluting water bodies, which reduces the already limited drinking water sources of an ever-growing population.

Such unplanned industrial discharge further leads to soil pollution and contamination of the ground water table. Hence, with the ever-growing public concern about the environment and stringent governmental regulations, it is necessary to explore novel technologies to treat such wastewater. Biological treatment technologies and/or nature-based solutions involving microorganisms or plants are considered a low-cost, sustainable, and environment-friendly method for treating industrial effluents and restoring polluted land.Another model that has attracted a lot of attention recently is the waste-fed biorefinery concept, in which a wide range of products are obtained from waste using biochemical routes.

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