



Sustainable Technologies for Wastewater Treatment & Soil Remediation

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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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