Special Issue

Advances in Bioremediation of Wastewaters and Contaminated Soils, Volume II

Message from the Guest Editors

The increasing urbanization and massive industrialization jeopardize aquatic and terrestrial environments, with a continuous loss of ecosystem services. In recent years, public awareness about the need for access to clean waters and soils has increased. Heavy metals and organic aromatic compounds are just one part of the equation; emerging persistent micropollutants are becoming a new factor that needs to be considered. For industrial and civil wastewaters, and contaminated soils, many studies have assessed the decontamination skills of algae, bacteria, and fungi, but very scare information is available about the possibility to scale up the system at pilot and industrial level. New biocatalysts have to be discovered, and their skills as bioremediation agents have to be investigated. The purpose of this Special Issue is therefore to disseminate the results of advanced bio-based approaches. Particular attention will be given to those studies that address civil and industrial effluents as well as anthropized sediments and soils. **Keywords:** wastewater treatment; contaminated soils; algae; bacteria; fungi; enzymes; advanced oxidation systems; reactors

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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