

Special Issue

Advances in Bioremediation of Wastewaters and Contaminated Soils

Message from the Guest Editors

The biotransformation of organic pollutants and the extraction of inorganic ones have been the target of several studies over the last decades. However, few have clarified the biological mechanisms, the capability of biocatalysts to resist the extreme environmental conditions they will be subjected to, the implementation to ongoing industrial processes, etc. This information may help the selection of the most proper organisms/enzymes and the most suitable technologies that would be scaled up. Moreover, it is mandatory to elucidate the fate of pollutants and transformation products in the aquatic and terrestrial ecosystem. Due to the limits of the chemical analysis, toxicological studies are a fruitful tool to describe the actual environmental risk and efficiency of any bioremediation approach. 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.

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Deadline for manuscript submissions

closed (31 March 2020)



Applied Sciences

an Open Access Journal
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Impact Factor 2.5
CiteScore 5.5



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Message from the Editor-in-Chief

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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