Special Issue

Advancing Bioremediation Technologies for Emerging Micropollutants

Message from the Guest Editor

Bioremediation leverages natural and engineered biological systems to degrade or transform micropollutants into less harmful byproducts. Featured approaches include the use of microbial consortia, genetically engineered microorganisms, enzymatic treatments, and biofilm-based technologies, offering innovative solutions for both in situ and ex situ applications. This Special Issue highlights the critical role of bioremediation as a green and sustainable approach to mitigate micropollutants across diverse ecosystems. Through a combination of cutting-edge research articles, case studies, and comprehensive reviews, this Special Issue offers a multifaceted view of bioremediation technologies. By presenting novel methodologies and exploring multidisciplinary collaborations, it aims to advance our understanding of sustainable micropollutant management while fostering the development of innovative, environmentally friendly solutions to safeguard ecosystems and public health.

Guest Editor

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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.

Editor-in-Chief

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