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Advances of Nanocomposites in Bioremediation Processes

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Message from the Guest Editors

Nanocomposites are defined as hybrid multiphase materials that exhibit unique and tunable physical, chemical, and biochemical features, taking into account multiple factors such as local chemistry, mobility, morphology, or crystallinity.

The varying application of nanocomposites in different research areas has proven challenging, and the increased interest regarding applications in environmental sciences has allowed for the movement towards bioremediation processes. Bioremediation provides different cleanup strategies in the biological restoration and rehabilitation of contaminated sites and for some types of wastes. Within this scenario, nanocomposites have emerged as being rapid, effective, and efficient in bioremediation, avoiding or limiting toxic effects on microorganisms together with improving microbial efficiency and activity.

This Special Issue on "Advances of Nanocomposites in Bioremediation Processes" seeks high-quality works focusing on the latest advances in nanotechnology, nanosciences, and nanomaterials for bioremediation processes.

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Message from the Editor-in-Chief

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