Special Issue

Application of Microbial Bioremediation Technology in Marine and Soil Environment

Message from the Guest Editors

The living and non-living resources present within the marine environment constitute the fundamental "marine natural capital" that exists within the global oceans, serving as the foundation for a range of marine ecosystem services. In recent decades, human activities have exerted heightened pressures on marine ecosystems, often resulting in their deterioration and the loss of biodiversity. The rich and varied array of organisms residing below the soil surface significantly impacts all the ecosystem services that soil provides, the same as marine ecosystems. This Special Issue is dedicated to research focused on the restoration of environmental matrices via the design of innovative bio-based approaches, with specific attention paid to the study of the biodiversity and complexity of microbiota that are able to transform environmental contaminants and preserve the biodiversity of the treated matrix. The objective of the bio-based technologies designed for environmental restoration is not only to provide a decontaminated matrix, but to also provide a decontaminated matrix that is capable of returning ecosystem services.

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In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

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