



water



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Application of Microbial Bioremediation Technology in Marine and Soil Environment

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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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Special Issue



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Message from the Editor-in-Chief

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