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Marine Compounds Used in Biosorption

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Message from the Guest Editors

Dear Colleagues,

A wide diversity of marine organisms can be found in the oceans and seas that cover around 70% of the world surface. These marine organisms can be a source of a plethora of extracts and compounds that show biological activity, such as biosorption. Biosorption is governed by a multitude of physico-chemical processes, based on mechanisms that include absorption, adsorption, ion exchange, surface complexation, and precipitation. Moreover, biosorption of environmental pollutants by marine derived compounds can be the basis for cost-effective, sustainable, and eco-friendly methods for reducing the impact of industrial and other anthropogenic activities, thus contributing to improvements in strategies for control of environmental quality. Furthermore, these compounds can be used in other applications, such as for drug delivery systems, advanced delivery systems compatible with agriculture usage, among others.

As Guest Editors of the SI, we will invite researchers to provide their recent advances (review articles included) on the various aspects of marine compounds and extracts in biosorption.<



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Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

During the past few decades there has been an ever increasing number of novel compounds discovered in the marine environment. This is exemplified by the robust preclinical and clinical pipeline that currently exists for marine natural products. *Marine Drugs* is inviting contributions on new advances in marine biotechnology, pharmacology, chemical ecology, synthetic biology, and genomics approaches related to the discovery of therapeutically relevant marine natural products. Our goal is to share your contribution in a timely fashion and in a manner that will be valued by the scientific community.

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