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Marine Biocatalysts

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Message from the Guest Editor

Marine habitats harbor a large number of still undescribed organisms and, thus, represent a vast source of valuable bioactive compounds, rare metabolites, and new enzymes. This Special Issue will focus on enzymes from marine organisms with a potential use in biocatalysis or applied microbiology. Of interest, are papers describing enzymes and interactions between enzymes and inhibitors or ligands, as well as bioprospecting, omics, structural, and mechanistic studies. In the last years, investigation of the marine habitats has led to the discovery of organisms with compelling characteristics, such as the ability of carbohydrate conversion and plastic or polymer degradation and of living in extreme environments (extremophile organisms), together with their respective enzymes. These enzymes are certainly interesting for both basic and applied research, and understanding their structure–function relationships may allow their exploitation in the industry.



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Special Issue



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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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