Special Issue

Enzymes Derived from Marine Sources

Message from the Guest Editor

The global industrial market for enzymes was estimated at USD 7.53 billion in 2024, with projections that this will increase to USD 12.64 billion by the year 2033. While these markets are dominated by carbohydrate-active enzymes (CAZymes) and proteases, there are also significant markets for lipases and many other enzymes with applications in a multitude of industrial processes. Currently, marine-derived enzymes constitute less than 10% of this market. However, proteins from marine environments may have many advantages over their terrestrial counterparts in industrial processes, such as cold-active and salt-tolerant activity optima. This Special Issue invites articles, research, or reviews concerning the discovery and characterization of enzymes from marine environments. In addition to characterizations of enzyme activities, genetic and genomic characterization of marine enzyme-encoding genes are also welcomed.

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About the Journal

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.

Editor-in-Chief

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