

Special Issue

Carbonic Anhydrase in Marine Organism

Message from the Guest Editor

Carbonic anhydrases (CAs, EC 4.2.1.1) are highly abundant metalloenzymes in many marine organisms, where they play crucial physiological functions connected with pH regulation, calcification, metabolism, etc. In many such organisms, among which diatoms, corals, molluscs, marine algae, etc., such enzymes were thoroughly investigated, whereas, in other phyla (e.g., arthropods), there are quite scarce data regarding them. Furthermore, the climate change due to the raise of CO₂ levels in the atmosphere and the oceans may interfere significantly with the life processes all over the planet, and the CAs, which use CO₂/bicarbonate as substrates, may play a crucial role in mitigating disastrous consequences. In this Special Issue of *Marine Drugs*, I invite researchers from all fields to present their recent contributions (original as well as review articles) on the various aspects of the chemistry, biochemistry, physiology and pharmacology of CAs from various marine organisms.

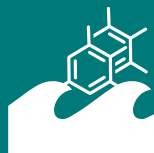
Guest Editor

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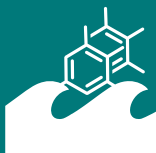


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About the Journal

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

Prof. Dr. Bill J. Baker

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