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Marine Anti-Biofilm Agents

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Message from the Guest Editors

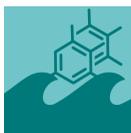
Marine environments are always attractive for the search of new bioactive compounds for health improvement and the treatment of diseases. In the last years, huge attention has been devoted to antimicrobial agents, due to the rapid emergence of antimicrobial resistance (AMR). One of the main causes of AMR is the capability of microorganisms to associate into communities of cells called biofilms. These complex structures provide protection from potential stressors, including toxic substances such as antibiotics and antimicrobials. Accordingly, the strategies adopted to treat challenging infections are rapidly changing, concurrently with the increasing understanding of biofilms' structures and functions. Nonetheless, the prevention of biofilm formation and the treatment of existing biofilms are currently a difficult challenge. Therefore, coordinated efforts to expand the arsenal of anti-infective treatments with anti-biofilm agents are greatly needed.

As Guest Editors of the Special Issue, we invite researchers to describe recent advances in all the aspects of marine anti-biofilm compounds, such as their isolation, structural characterization, synthesis, and modes of action.



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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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