Special Issue

Marine Anti-Biofilm Compounds from Natural to Synthetic Compounds

Message from the Guest Editors

Biofilms are characterized as complex communities of microorganisms (bacteria, fungi, yeasts, algae, protozoa and viruses) that can adhere to any surface and interact with each other and their environment. They play an important role in bacterial resistance. As there is an urgent need for new antibiotics, alternative strategies to combat bacterial resistance are being actively sought. Anti-biofilm agents, which can act at different stages of biofilm formation, have emerged as a promising avenue. The exploration of the marine world, which is a unique source of promising new bioactive compounds, could be crucial to overcoming this serious global public health crisis. Therefore, any discovery of new or synthetic compounds with antibiofilm/antibiotic or antifouling activity or with activity related to the quorum sensing, EPS matrix and genes involved in formation and adhesion are highly welcome for this vast Special Issue. The potential multiple applications in medicine, industry and aquatic environment are other aspects of this topic that can also be explored and presented in this issue.

Guest Editors

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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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