Special Issue

Marine-Derived Polyketides with Antibiotic Activity

Message from the Guest Editor

Polyketides are a class of specialized metabolites produced by a wide variety of organisms. Most intriguing is the fact that these compounds show a multitude of biological activities, e.g., antibacterial activities. They are in the focus of research from an ecological, as well as pharmaceutical point of view, since many medicinal drugs are natural polyketides per se, or are based on them. Hence, polyketides possess the potential to become leads for novel medicinal drugs. Especially in the antibiotics field exists a pressing need to identify and evaluate novel structures. The current drugs, contributing to the increased life expectancy of humans, are losing their power due to antimicrobial resistance development and dispersion. The goal of this *Marine Drugs* Special Issue is to assemble a collection of scientific articles outlining the diversity, the biosynthesis and the antibiotic potential of marine-derived polyketides. Scientists from various fields are invited to contribute, to combine interdisciplinary expertise in marine-derived polyketides research, e.g., (micro)biology, analytical chemistry, bioinformatics, pharmacy, and biotechnology.

Guest Editor

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Deadline for manuscript submissions

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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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