marine drugs

an Open Access Journal by MDPI

IMPACT FACTOR 4.073

Compounds from Cyanobacteria II

Guest Editor:

Assoc. Prof. Michele R. Prinsep
Department of Chemistry, The University of Waikato, Private Bag 3105, Hamilton 3240, New Zealand

michele.prinsep@waikato.ac.nz

Deadline for manuscript submissions:
closed (31 August 2019)

Message from the Guest Editor

Cyanobacteria (blue-green algae) are an ancient and successful group of organisms that are found in a wide range of marine and freshwater habitats and in conditions as extreme as the heat of volcanic regions to the colds of Antarctica. They have proven to be an excellent source of secondary metabolites, many of which possess biological activity. The most common class of compounds found in cyanobacteria are oligopeptides (predominantly cyclic peptides). These are synthesised by nonribosomal peptide synthetases and many contain unique or unusual amino acids. Some of the other compound classes that have been isolated from cyanobacteria include terpenes and alkaloids.

Many of the natural products produced by cyanobacteria may be ecologically significant and some of the toxic metabolites are a human health concern, especially when present in recreational water bodies or fisheries. Cyanobacteria often have the means to produce many more metabolites than are actually expressed, so an understanding of biosynthesis and genetics in these organisms is vitally important.

marine drugs

IMPACT FACTOR 4.073

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Orazio Taglialatela-Scafati
Department of Pharmacy, University of Naples Federico II, Italy

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.

Author Benefits

Open Access:—free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed by the Science Citation Index Expanded (Web of Science), **MEDLINE** (PubMed), Embase, Scopus, MarinLit and other databases. Full-text available in PubMed Central.
CiteScore (2019 Scopus data): **5.1**, which equals rank 41/143 in 'Drug Discovery'.

Contact Us

Marine Drugs
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/marinedrugs
marinedrugs@mdpi.com
@Marine_Drugs