

Special Issue

Marine Alkaloids: Sources, Discovery, Diversity, and Bioactivities

Message from the Guest Editors

Alkaloids have been serving as an important drug source for a long time, with 80% of the top 200 marketed drugs globally being alkaloids. Alkaloids are the largest marine natural product family. Structurally diverse alkaloids are isolated from various marine plants, invertebrates, microorganisms, fishes, etc. Their functions cover anti-cancer, anti-microbial, pesticidal, neuroprotective, and anti-inflammatory activities, and preventing cardiovascular diseases. Regarding the investigation of marine alkaloids, studies are increasingly being performed on their new sources and structural diversity, application of new discovering approaches such as genome mining and metabolomics tools, and an in-depth revealing of signal transduction pathway-intervening diseases. We invite scientists to submit reviews and original and conceptual research articles highlighting the source, discovery, diversity and bioactivities of marine alkaloids to this Special Issue. We particularly welcome articles that introduce new research methodologies in marine alkaloid discovery and the bioactivity study of marine alkaloids in neuronal system diseases.

Guest Editors

Prof. Dr. Yi Zhang

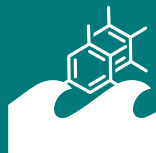
Research Institute for Marine Drugs and Nutrition, College of Food Science and Technology, Guangdong Ocean University, Zhanjiang, China

Dr. Zhongji Qian

School of Chemistry and Environment, Guangdong Ocean University, Zhanjiang, China

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Marine Drugs
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
marinedrugs@mdpi.com

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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

Department of Chemistry, University of South Florida, 4202 E. Fowler Ave., CHE 205, Tampa, FL 33620-5250, USA

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