

## Special Issue

# Synthesis of Marine-Derived Bioactive Compounds

### Message from the Guest Editor

The chemical complexity and diverse biological activities of marine natural products have been a source of inspiration and the challenges to chemists, and accessing these distinctive three-dimensional structures presents unique research opportunities that push the boundaries of organic chemistry. Natural Product synthesis both total and partial (semi-synthesis) provides confirmation of structure and allows the ability to carry-out structure-activity relationship (SAR) studies for lead optimization, together with providing a potential solution to the supply issue that has curtailed the development of many marine natural products. The aim of this Special Issue is to highlight the chemical and biological discoveries resulting from the total synthesis or semi-synthesis of marine-derived natural products. We invite scientists in the fields of chemistry, biochemistry, pharmacology, and toxicology to submit review papers or original articles where synthesis has contributed to the field of marine natural products drug discovery.

---

### Guest Editor

Dr. Lyndon West

Department of Chemistry and Biochemistry, Florida Atlantic University,  
Boca Raton, FL 33431, USA

---

### Deadline for manuscript submissions

closed (30 November 2021)



## Marine Drugs

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.4  
CiteScore 10.1  
Indexed in PubMed



[mdpi.com/si/86957](https://mdpi.com/si/86957)

*Marine Drugs*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[marinedrugs@mdpi.com](mailto:marinedrugs@mdpi.com)

[mdpi.com/journal/  
marinedrugs](https://mdpi.com/journal/marinedrugs)





# Marine Drugs

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.4  
CiteScore 10.1  
Indexed in PubMed



[mdpi.com/journal/  
marinedrugs](https://mdpi.com/journal/marinedrugs)



## 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

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, MarinLit, AGRIS, and other databases.

#### Journal Rank:

JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (Pharmacology, Toxicology and Pharmaceutics (miscellaneous))