



## Marine Oligosaccharides and Polysaccharides

Guest Editor:

**Prof. Dr. Maria Michela  
Corsaro**

Department of Chemical  
Sciences, University of Napoli  
Federico II, Complesso  
Universitario Monte S. Angelo, Via  
Cintia 4, I-80126 Napoli, Italy

Deadline for manuscript  
submissions:

**closed (31 January 2018)**

### Message from the Guest Editor

Dear Colleagues,

Marine environments are a huge source of natural products. Among these, carbohydrates occupy a preeminent position, due to their potential applications as antitumorals, anticoagulants, antivirals, and immunomodulants. Many polysaccharides, produced by algae, crustaceans, bacteria, cyanobacteria, actinobacteria, and fungi, are of commercial interest, and many of them are already used in the food industry. These comprise alginates, carrageenans, fucoidans, chitin, xanthan, gellan, and pullulan. Current investigation is also focused on isolation, structural characterization and determination of the properties of new oligosaccharides and polysaccharides from seawater to be used as bio-based nanomaterials. Moreover, chemical or enzymatic modification of marine oligo- and polysaccharides in order to discover new biophysical and biochemical features, is a topic of increasing interest nowadays. As Guest Editor of this Special Issue of *Marine Drugs*, I invite you to provide recent advances in all the aspects of marine polysaccharides and oligosaccharides.

Prof. Maria Michela Corsaro  
*Guest Editor*





an Open Access Journal by MDPI

## 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

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

**Journal Rank:** JCR - Q1 (*Pharmacology & Pharmacy*) / CiteScore - Q1 (*Pharmacology, Toxicology and Pharmaceutics (miscellaneous)*)

## Contact Us

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

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/marinedrugs](http://mdpi.com/journal/marinedrugs)  
[marinedrugs@mdpi.com](mailto:marinedrugs@mdpi.com)  
X@Marine\_Drugs