



an Open Access Journal by MDPI

Sea Anemone Toxins

Guest Editor:

Prof. Dr. Hiroshi Nagai

Department of Ocean Science,
Tokyo University of Marine
Science and Technology, 4-5-7
Konan, Minato-ku, Tokyo 108-
8477, Japan

Deadline for manuscript
submissions:

closed (31 May 2012)

Message from the Guest Editor

Dear Colleagues,

The sea anemones belong to the phylum Cnidaria. The distinguishing feature of cnidarians is nematocysts, specialized venomous organs that the animals use mainly for capturing prey and protecting themselves from predators. This means all the cnidarians have venom. So far, a number of polypeptide toxins have been isolated and characterized from the sea anemones. Among these studies, ion-channel toxins and pore forming toxins have been characterized. Some ion channel toxins are revealed to be useful tools for biomedical and physiological science. The recent reports showed that sea anemones, including their toxins, are still attractive sources for novel bioactive compounds. This special issue will focus on biological activity, mode of action, ecological significance, isolation and characterization of bioactive compounds including toxins from the sea anemones.

Prof. Dr. Hiroshi Nagai
Guest Editor



mdpi.com/si/1338

Special Issue



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

Contact Us

Marine Drugs Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/marinedrugs
marinedrugs@mdpi.com
[X@Marine_Drugs](#)