



toxins



an Open Access Journal by MDPI

Isolation and Characterization of Marine Toxins

Guest Editors:

Prof. Dr. Tamao Noguchi

Graduate School of Healthcare,
Tokyo Healthcare University

Prof. Dr. Manabu Asakawa

Graduate School of Integrated
Sciences for Life, Hiroshima
University

Deadline for manuscript
submissions:

closed (30 November 2020)

Message from the Guest Editors

Typical fishery products such as fish and shellfish are important as human food, in particular as an animal protein source. However, some species of fish and shellfish contain toxins that may cause food poisoning to humans. Many naturally occurring biotoxins have a severe impact on fisheries, their related industries and human health, because they can be transferred and accumulate on marine and freshwater vertebrates and invertebrates through a more complicated pathway including the food chain. This is exemplified by the paralytic shellfish poisoning of humans on eating PSP contaminated shellfish. It is necessary for us to isolate and characterize these marine biotoxins, to prevent tragic food poisoning incidents and severe damage to aquaculture around the world. This Special Issue call for papers deals with structure and analytical chemistry studies of toxins in aquatic habitats, characterization of new toxins isolated from marine and freshwater organisms, case studies of seafood poisonings, biotransformation/accumulation of toxins from aquatic organisms, and novel targets or modes of action for aquatic toxins.



mdpi.com/si/28868

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Jay Fox

Department of Microbiology,
University of Virginia,
Charlottesville, VA, USA

Message from the Editor-in-Chief

Toxinology is an incredibly diverse area of study, ranging from field surveys of environmental toxins to the study of toxin action at the molecular level. The editorial board and staff of *Toxins* are dedicated to providing a timely, peer-reviewed outlet for exciting, innovative primary research articles and concise, informative reviews from investigators in the myriad of disciplines contributing to our knowledge on toxins. We are committed to meeting the needs of the toxin research community by offering useful and timely reviews of all manuscripts submitted. Please consider *Toxins* when submitting your work for publication.

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**, **CAPLus / SciFinder**, **AGRIS**, and **other databases**.

Journal Rank: JCR - Q1 (*Toxicology*) / CiteScore - Q1 (*Toxicology*)

Contact Us

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

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

mdpi.com/journal/toxins
toxins@mdpi.com
[X@Toxins_Mdpi](https://twitter.com/Toxins_Mdpi)