



an Open Access Journal by MDPI

Paralytic Shellfish Toxins: Analysis, New Analogs, Toxicology, Vectors, and Impacts in Wildlife

Guest Editors:

Dr. Begoña Ben-Gigirey

Instituto Español de Oceanografía (IEO), Centro Oceanográfico de Vigo, Subida a Radio Faro, 50, 36390 Vigo, Spain

Dr. Rosa Isabel Figueroa

Group VGOHAB (noxious and toxic microalgae), Spanish Institute of Oceanography, Subida a Radio Faro, 50, 36390 Vigo, Spain

Deadline for manuscript submissions:

closed (30 April 2022)

Message from the Guest Editors

Paralytic shellfish toxins (PSTs) are a group of natural neurotoxic alkaloids that can cause paralytic shellfish poisoning (PSP). PSP is characterized by neurological symptoms that vary from mild to severe and can even result in death. PSTs bioaccumulate in certain marine biota, are transferred throughout aquatic food webs, and can be vectored to humans.

This Special Issue is open to original research articles and reviews dealing with PSTs and the following subjects:

- new analytical methods (substantial modifications of internationally validated/well-established methods or their application to new matrixes);
- development of new reference materials;
- identification and characterization of new congeners;
- toxicological studies;
- the impact of PSTs on wildlife and new reports in non-traditional vectors;
- novel detection tools of PSTs production in marine environmental samples;
- biosynthetic pathways and gene regulation of PSTs; and
- toxinological studies leading to unveil environmental conditions or genetically determined factors responsible for differences in PSTs profiles between groups or strains from the same taxon.



mdpi.com/si/66287



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, Grosspeteranlage 5
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)