

Special Issue

Toxigenic and Regulatory Effects of Algal Toxins on Marine Life

Message from the Guest Editor

Marine micro- and macroalgae are “living laboratories” producing plenty of bioactive compounds. In fact, plants have evolved several pathways for the production of secondary metabolites that have demonstrated to be useful for their defense, having deterrent or toxigenic effects. However, the continuous struggle for life has often modified the primary biological activity of these metabolites, thus producing an impressive communication network that combines toxic molecules used as defensive weapons and others with a regulatory function. Understanding the mechanisms of these activities and identifying the biomolecules prompting them may lead to biotechnological applications in various fields, including ecology, medicine, nutraceuticals. This Special Issue aims at collecting novel research results on the diversity of bioactive compounds and toxigenic molecules from planktonic and benthic micro- and macroalgae, as well as at detecting key relationships between marine organisms to promote the identification of possible biotechnological applications.

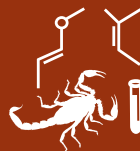
Guest Editor

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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.

Editor-in-Chief

Prof. Dr. Jay Fox

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