



*toxins*



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## Toxigenic and Regulatory Effects of Algal Toxins on Marine Life

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### 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.



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## Message from the Editor-in-Chief

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