Special Issue

Advances in Microalgae Toxins: Production, Detection, and Application

Message from the Guest Editor

Dear colleagues, Dinoflagellate microalgae are an important source of marine metabolites. These toxins and bioactives are of increasing interest because of their influence on the safety of seafood and their potential medical and biotechnological applications. Nowadays, bioactive supply is still the main bottleneck due to the difficulty of growing dinoflagellates in photobioreactors. Only sparing quantities of dinoflagellate bioactives are available for researchers, hindering their characterization and evaluation for possible applications. Despite this, in recent years advances have been made in every aspect related to the biotechnological exploitation of this resource.

This Special Issue aims to provide insight into the potential of dinoflagellate's bioactives to develop bioprocess with these microalgae and the obstacles that remain. Accordingly, it will foster contributions focused on dinoflagellates that address biodiscovery, metabolite characterization, cell culture, and bioprocess optimization (upstream and downstream). This Special Issue is intended to be of interest for those involved in the field from different perspectives.

Guest Editor

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About the Journal

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

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