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Advanced Mass Spectrometry in the Chemistry and Biology of Bioactive Marine Natural Products

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Message from the Guest Editors

Dear Colleagues,

At present, mass spectrometry (MS) technology is continuing to improve dramatically, and MS advanced strategies are becoming easily available in the majority of laboratories. The basic characteristics behind these advancements are MS resolution, quantitative accuracy, and improving data processing skills. Mainly in the field of bioactive marine natural products (MNP), MS progress helps to discover accurate chemical structures' determination together with MNP quantitative evaluation in complex raw mixtures; in addition, biological events induced by MNP can be traced by comprehensively measuring the various changes in biomolecular dynamics thanks to omics-based strategies. Thus, as the Guest Editors, we would like to invite scientists to publish their developments in the field of bioactive marine natural products achieved by innovative MS-based techniques both from a chemical and a biological viewpoint.

Prof. Maria Chiara Monti

Prof. Raffaele Riccio

Guest Editors



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Special Issue



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Message from the Editor-in-Chief

During the past few decades there has been an ever increasing number of novel compounds discovered in the marine environment. This is exemplified by the robust preclinical and clinical pipeline that currently exists for marine natural products. *Marine Drugs* is inviting contributions on new advances in marine biotechnology, pharmacology, chemical ecology, synthetic biology, and genomics approaches related to the discovery of therapeutically relevant marine natural products. Our goal is to share your contribution in a timely fashion and in a manner that will be valued by the scientific community.

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