Special Issue

Metabolomics Tools for Marine Natural Product Discovery

Message from the Guest Editors

Nowadays, comparative high resolution and sensitive metabolite profiling techniques are increasingly being used at every step of the NP discovery process. For this, either mass spectrometry or NMR analyses are combined or not with chemometrics. Marine Natural Product (MNP) researchers have been pioneers in the use of such approaches. However, the big data often generated by such metabolomics approach require new developments to allow for a comprehensive and in-depth view of marine chemical diversity. Thus, the next frontier in MNP discovery relies on overcoming such data analysis challenges by proposing novel tools. In addition, new applications of currently employed techniques must emerge for the discovery of biologically and ecologically relevant marine molecules. This Special Issue of *Marine Drugs* focusses on gathering articles dealing with:

- Novel metabolomics strategies (analytical and/or data mining approaches) that are able to deal with marine chemical diversity;
- Examples of the use of metabolomics and de novo dereplication strategies in MNP discovery context.

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About the Journal

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.

Editor-in-Chief

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