

Special Issue

Configurational and Conformational Studies on the Structures of Marine Natural Products

Message from the Guest Editor

The determination of the configuration (relative and absolute) and conformation of natural products is essential to understand their biological interactions and is the basis for their procurement through total synthesis. When crystalline products are unavailable, structural elucidations can be highly difficult, especially when the targets do not lend themselves easily to standard 2D NMR techniques. Despite numerous attempts, to date, there is so far no standard or even automated protocol for the configurational and conformational assignment of natural products or small organic molecules in general. The natural products literature is still filled with structural misassignments, despite enormous advances in NMR spectroscopy. Computer-aided structure elucidation of natural products is improving but far from completion. This is especially true for the solution of configurational problems, which is not an issue in biomolecular NMR dealing with polymers composed of repetitive units of known absolute configurations.

Guest Editor

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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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