Special Issue

Structural Characterization of Marine-Derived Compounds

Message from the Guest Editors

Organic molecules with chiral centers are commonly found in natural products research. Therefore, stereochemical elucidation of natural products is an important prerequisite for novel drug research and development. To date, many methods including general nuclear magnetic resonance parameters (NMR) spectroscopic experiment, chemical reactions, quantum chemical calculations, X-ray diffraction, and others or various combinations of these have been used to assign configurations of natural products. However, the configurations are still a challenge due to unstable conformations. Some compounds were not identified correctly. For example, some NOESY data could give a confused relationship because of the complex multiring system or more than one stable confirmation. Otherwise, there is a strong need for improving the configuration determination methods. A correct configuration assignment of the right compound is crucial for the structure determination and related research. Additionally, it is an intriguing and state-ofthe-art research topic.

Guest Editors

Dr. Pinalin Li

Dr. Xiuli Xu

Dr. Faliang An

Deadline for manuscript submissions

closed (30 November 2022)



Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/120584

Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

mdpi.com/journal/ molecules





Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Reaxys, CaPlus / SciFinder, MarinLit, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

