

Special Issue

State-of-the-Art Analytical Technologies for Natural Products

Message from the Guest Editor

Natural products cover a wide range of applications including new drug discovery and human healthcare systems. However, natural products represent a multifaceted complex system that may contribute to a medicine's putative activity, and the complex chemical compositions present a series of hurdles to the exploration of the chemical basis, quality evaluation and control.

Therefore, this Special Issue aims to highlight recent advances in all aspects of state-of-the-art analytical technologies and methods, such as sample preparation, separation and detection and data processing techniques, as well as related applications of natural products. The development of tandem techniques (LC-MS, GC-MS, LC-NMR, etc.) in clarifying the chemical basis, chromatographic fingerprint, spectroscopic fingerprint, multicomponent determination and plant metabolomics in quality evaluation and control, online biological evaluations, drug metabolism, and pharmacokinetics of natural products are all welcome. Submissions of original research articles, short communications, perspectives, and comprehensive review articles are all welcome too.

Prof. Dr. De-an Guo

Guest Editor

Prof. Dr. De-An Guo

Shanghai Research Center for Modernization of Traditional Chinese Medicine, National Engineering Laboratory for TCM Standardization Technology, Shanghai Institute of Materia Medica, Chinese Academy of Sciences, 501 Haik Road, Shanghai 201203, China

Deadline for manuscript submissions

closed (31 May 2022)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/72329

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

[mdpi.com/journal/
molecules](https://mdpi.com/journal/molecules)





Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



[mdpi.com/journal/
molecules](https://mdpi.com/journal/molecules)



About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all 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).