



Improvements and Opportunities on Natural Products for Novel Drug Discovery

Guest Editors:

Prof. Dr. María Isabel Calvo

Department of Pharmaceutical
Technology & Chemistry,
University of Navarra, Pamplona,
Spain

Prof. Dr. María Luisa Kennedy

Department of Pharmacology,
Faculty of Chemical Sciences,
National University of Asunción,
San Lorenzo, Paraguay

Dr. Francisco Leon

Department of Drug Discovery
and Biomedical Sciences,
College of Pharmacy, University
of South Carolina, Columbia, SC
29208, USA

Deadline for manuscript
submissions:

closed (20 July 2023)

Message from the Guest Editors

Natural products are produced in nature, so it is straightforward and rational to believe that all of them have biological roles and have naturally evolved to be more valuable and effective. The generation of diversity in natural products has occurred not only within the limitations of available biosynthetic reactions and precursors but also in the context of biological utility, as a tool to understand, in depth, the biosynthetic routes for different compounds in different types of organisms.

This Special Issue is dedicated to contributions on several aspects of drug discovery as essential mainstays on the innovation of new therapeutic agents, and the necessity in obtaining novel natural compounds, as well as the current reuse of known natural/derivative drugs with new therapeutic patterns. Traditional natural product chemistry has evolved, connecting but not limited to several other areas—for example, improved analytical tools, bioinformatic, omics, data mining, computational tools, genome mining, synthetic biology, and advances in microbial cultures. These interdisciplinary relationships open new opportunities for drug discovery.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Multidisciplinary*) / CiteScore - Q1 (*Chemistry (miscellaneous)*)

Contact Us

Molecules Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](https://twitter.com/Molecules_MDPI)