molecules

an Open Access Journal by MDPI

IMPACT FACTOR 4.6

Indexed in: PubMed

CITESCORE 8.6

Natural Products: Isolation, Pharmacomodulation and Optimization for Hit and Lead Identification

Guest Editor:

Prof. Dr. Ahcène Boumendjel
Département de Pharmacochimie Moléculaire, Université Grenoble-Alpes, CNRS UMR 5063, F-38041 Grenoble, France

Deadline for manuscript submissions:
closed (31 March 2020)

Message from the Guest Editor

Although new approaches to drug discovery, such as combinatorial chemistry and computer-based molecular modeling design mean that many final pharmaceuticals are intended to be made by synthetic chemistry, the majority of modern drugs are mainly derived from natural products or derived from natural lead compounds. In this context and in many cases, the bioactive compound isolated from plants is not always the developed drug because many parameters need to be optimized to develop a successful drug. To reach this end, the hemi-synthesis and pharmacomodulation of bioactive compounds isolated from plants are crucial steps toward the creation of a drug candidate.

The aim of this Special Issue is to collect review and original research articles dealing with the isolation of original bioactive compounds and the design and synthesis of analogs through pharmacomodulation including case studies. This issue will be of interest for a large panel of scientists working in the field of natural products as hits and leads for drug development.

molecules

IMPACT FACTOR 4.6 | Indexed in: PubMed | CITESCORE 8.6

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

Contact Us

Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/molecules
molecules@mdpi.com
𝕏@Molecules_MDPI