



Chemistry, Biology, and Pharmacology of Natural Phenolic Compounds and Their Synthetic Derivatives

Guest Editor:

Dr. Matej Sova

Faculty of Pharmacy, University
of Ljubljana, Askerceva 7, 1000
Ljubljana, Slovenia

Deadline for manuscript
submissions:

closed (31 May 2023)

Message from the Guest Editor

Natural (poly)phenolic compounds have attracted much interest in the scientific community due to their diverse biological activities and been acknowledged to have antioxidant, anti-inflammatory, anticarcinogenic, antimicrobial, antihypertensive, antidiabetic, cardio-protective, hepato-protective, and many other activities. Thus, these compounds possess significant potential in the prevention and treatment of numerous diseases as well as a relevant role in the maintenance of human health. To date, numerous synthetic derivatives of natural phenolic compounds have been prepared to obtain or enhance a selected biological activity and improve their pharmacokinetic properties. Due to the pharmaceutical and nutraceutical significance of natural and synthetic phenolic compounds, the aim of this Special Issue is to present a collection of the most recent contributions regarding their chemistry, biology, and pharmacology with emphasis on novel findings describing their key in vitro and in vivo health-beneficial effects.





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)