

Special Issue

Isolation, Identification and Bioactivity of Food-Derived Compounds

Message from the Guest Editors

The purpose of this Special Issue is to provide an up-to-date overview of the current research on food bioactive compounds, biological activities, and the techniques for their isolation and identification. Bioactive substances can be found in food of plant and animal origins, and their biological activity can be relevant for the impact diet has on human health. Moreover, advances in isolation and identification techniques could represent an important aspect related to the ever-so-growing nutraceutical and supplement market. Attention will also be given to the retrieval of bioactive substances from byproducts of food production, in the best interest of reducing waste and optimizing the green economy process. Contributions may cover all related to food bioactive molecules and characterization of their biological activity, including methods for extraction, purification, comprehensive profiling characterization, and quantification. The elucidation of their mechanisms of action with a focus on improved methods for assessing bioactive components and their bioaccessibility will be of interest. Advances in analytical approaches, -omic sciences, and biotechnology will also be covered.

Guest Editors

Dr. Luca Santi
Dr. Laura Dugo
Dr. Francesca Rigano

Deadline for manuscript submissions

closed (30 April 2022)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/54807

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 molecular chemistry, now in its 30th 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 15.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).