

Special Issue

The Bioavailability and Bioactivity of Flavonoids

Message from the Guest Editor

Flavonoids are a large group of secondary metabolites that occur ubiquitously in natural foods such as vegetables, tea and fruits. It is well known that the abundant dietary flavonoids have a broad spectrum of health-promoting benefits, including the reduction of the risk of chronic diseases via inhibiting the occurrence of oxidative stress, inflammatory response, and cellular degeneration. Despite a huge number of studies focusing on the biological activity of dietary flavonoids, the following aspects still need further investigation: the effects of gut microbiota on the bioactivity of dietary flavonoids; the effects of other dietary components such as dietary fiber on the bioactivity and metabolism of flavonoids; and the influence of the chemical structure of flavonoids on their metabolism and bioactivity. We invite you to submit manuscripts focusing on the bioactivity (anti-inflammation, antioxidant, alleviation of chronic diseases, etc.), absorption, and metabolism of dietary flavonoids. The nutritional aspects of flavonoids intake (from absorption and metabolism to functional foods/nutraceuticals) are also welcomed.

Guest Editor

Prof. Dr. Ruifeng Zhang

Sericultural & Agri-Food Research Institute, Guangdong Academy of Agricultural Sciences, Guangzhou, China

Deadline for manuscript submissions

closed (28 February 2023)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/115003

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).