

Special Issue

Chemical Composition and Functional Properties of Food By-Products

Message from the Guest Editor

The aim of this Special Issue of *Molecules*, entitled “Chemical Composition and Functional Properties of Food By-Products,” is to present cutting-edge research on the chemical profiles and functional properties of diverse food by-products. Special emphasis will be placed on their potential as value-added ingredients in food systems and related applications.

Key topics include the identification and quantification of bioactive compounds, phytochemicals, polyphenols, proteins, fibers, minerals, and other nutritional or antinutritional components. Studies on antioxidant, antimicrobial, emulsifying, gelling, and other functional activities that highlight their technological or health-promoting potential are also encouraged.

This Special Issue invites original research articles and comprehensive reviews that advance our understanding of the chemical composition, functional properties, and practical applications of food by-products. Your insights will contribute to sustainable resource utilization, waste reduction, and the development of high-value food products.

We look forward to receiving your contribution.

Guest Editor

Prof. Dr. Renata Różyło

Department of Food Engineering and Machines, University of Life Sciences in Lublin, Lublin, Poland

Deadline for manuscript submissions

30 April 2026



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/256297

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 29th 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 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).