

Special Issue

Advances in Polyphenol-Based Multifunctional Materials

Message from the Guest Editors

Natural polyphenols have attracted enormous attention in the past decade due to their complex interactions with diverse substrates. In this Special Issue, we invite investigators to contribute short communications, full research articles, and timely reviews that are related to the polyphenol-based functional materials and emerging applications. Potential topics include, but are not limited to, the following:

- Control or regulation of the self-assembly of polyphenols and substrates.
- Rationally designed polyphenols for targeted functions.
- Improved therapeutic effect of polyphenol-based drugs, antibiotics, theragnostic agents, and delivery vehicles.
- Smart and responsive polyphenol-based materials for industry, agriculture, and food production.
- Efficient extraction of polyphenols from plants and microbes.
- Advanced eco-friendly refinery of polyphenol-based materials.

Guest Editors

Dr. Yunxiang He

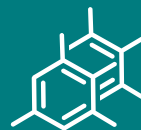
College of Biomass Science and Engineering, Sichuan University,
Chengdu 610065, China

Dr. Xiaoling Wang

College of Biomass Science and Engineering, Sichuan University,
Chengdu 610065, China

Deadline for manuscript submissions

closed (31 December 2023)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/105812

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 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.

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).