

Special Issue

Applications of Natural Polymers in Biomedicine

Message from the Guest Editor

This Special Issue focuses on functional biomaterials based on natural polymers that not only align with sustainability and circular economy principles but also exhibit enhanced performance. Authors are encouraged to present novel materials—such as biopolymer blends, composites, scaffolds, thin films, gels, and hydrogels—that are both economically viable and environmentally friendly, with good overall performance. Accordingly, the scope of this Special Issue includes the manufacturing and characterization of biopolymer-based materials intended for biomedical, pharmaceutical, and/or cosmetic applications.

Guest Editor

Prof. Dr. Katarzyna Lewandowska

Laboratory for Biomaterials and Cosmetics, Faculty of Chemistry,
Nicolaus Copernicus in Toruń, Gagarina 7, 87-100 Toruń, Poland

Deadline for manuscript submissions

31 December 2025



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/247037

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).