Special Issue

Synthesis, Modification and Biomedical Potential of Peptides and Peptoids

Message from the Guest Editor

Since the research and development of peptide compounds, they have been widely used in medicine, health care, food, cosmetics, biological materials and other fields. Compared with traditional chemical drugs, peptide compounds have the advantages of high biological activity, a good affinity with receptors and rarely accumulate in the body. Thus, peptide compounds have a wide range of application prospects in the medical field, and have become the key direction of new drug research and development both at home and abroad. The purpose of this research is to elucidate the synthesis and optimization strategies of peptide/peptoid drugs, provide a theoretical basis for the development of new peptide/peptoid drugs, and elaborate the antibacterial mechanism of peptide/peptoid drugs and their biomedical applications.

https://www.mdpi.com/journal/molecules/special_issue s/ FZR7MJZB11

Guest Editor

Prof. Dr. Jiajun Wang

Laboratory of Molecular Nutrition and Immunity, The Institute of Animal Nutrition, Northeast Agricultural University, Harbin, China

Deadline for manuscript submissions

closed (31 October 2023)



Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



mdpi.com/si/159050

Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

mdpi.com/journal/ molecules





Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



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).

