Special Issue

Applications of Chromatography in Characterization of Biomolecules

Message from the Guest Editors

The study of biological processes is one of the most important aspects of modern science. Huge advances in medicine, food and nutrition sciences, and pharmacy have been made by researching biochemical processes and keys biomolecules. That is why new methods of purification and chromatographic analysis of biomolecules from tissues and artificial experimental objects are still needed. Therefore, this Special Issue focuses on purification techniques and qualitative and quantitative analysis with thoroughly described methods and basic validation are welcome, including lipids, sterols, glycolipids, amino acids, sugars, glycosides, volatile compounds, terpenes, hormones, vitamins, and all metabolites that play key roles in biochemical processes.

Guest Editors

Dr. Mariusz Tomasz Dziadas

Head of the Chromatography Laboratory, Faculty of Chemistry, Wrocław University, Fryderyka Joliot-Curie 14, 55-385 Wrocław, Poland

Prof. Dr. Antoni Szumny

Department of Chemistry, Wrocław University of Environmental and Life Sciences, Norwida, Wrocław, Poland

Deadline for manuscript submissions

closed (30 June 2021)



Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



mdpi.com/si/49557

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).

