



an Open Access Journal by MDPI

## Applications of Chromatography in Characterization of Biomolecules

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, 50-375 Wrocław, Poland

Deadline for manuscript submissions:

**closed (30 June 2021)**

### Message from the Guest Editors

Dear Colleagues,

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.

Dr. Mariusz Tomasz Dziadas  
Prof. Dr. Antoni Szumny  
*Guest Editors*



[mdpi.com/si/49557](https://mdpi.com/si/49557)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical  
Biology and Phytochemistry,  
University of Münster,  
Corrensstrasse 48, D-48149  
Münster, Germany

## 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.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (Chemistry, Multidisciplinary) / CiteScore - Q1 (Chemistry (miscellaneous))

## Contact Us

---

*Molecules* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/molecules](http://mdpi.com/journal/molecules)  
[molecules@mdpi.com](mailto:molecules@mdpi.com)  
[X@Molecules\\_MDPI](#)