



an Open Access Journal by MDPI

Advances in Chiral Analysis

Guest Editors:

Message from the Guest Editors

Dr. Gergo Toth

Prof. Dr. Gabriel Hancu

Dr. Zoltan Istvan Szabo

Deadline for manuscript submissions: **30 September 2024**

Dear Colleagues,

Chirality is a property of asymmetry that governs all life since all molecules in nature function in the form of pure enantiomers. Many synthetic substances exist and are used in different domains as racemic mixtures: however, in several cases, there are well-documented differences in the pharmacokinetic effects. profiles. toxicity. or environmental fate of individual enantiomers. The development of new advanced analytical methods for the enantioseparation of chiral substances is a necessity, but also remains one of the most challenging tasks in separation science.

This Special Issue covers all aspects related to the enantioseparation of chiral substances of pharmaceutical interest, emphasizing the enantiospecific determination of bioactive molecules in complex matrices, including biological matrices. Additionally, research and review articles related to new aspects of chiral synthesis, analysis, pharmacokinetic and pharmacodynamic aspects of drugs are also welcome.

Dr. Gergo Toth Dr. Gabriel Hancu Dr. Zoltán István Szabó *Guest Editors*





mdpi.com/si/118608





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, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/molecules molecules@mdpi.com X@Molecules_MDPI