

# Special Issue

## Advances in Chiral Analysis

### Message from the Guest Editors

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 effects, pharmacokinetic 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. Zoltán István Szabó

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### Guest Editors

Dr. Gergo Toth

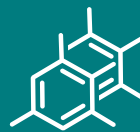
Prof. Dr. Gabriel Hancu

Dr. Zoltan Istvan Szabo

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### Deadline for manuscript submissions

closed (30 September 2024)



## Molecules

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## About the Journal

### 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.

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### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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

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