Special Issue

Chiral Stationary Phases for Enantioseparations: Fundamentals, Preparation, Methods, Applications and Chiral Recognition Mechanisms

Message from the Guest Editors

Dear colleagues, This Special Issue welcomes the submission of contributions in the form of original research and review articles with the aim of profiling recent and future trends in the preparation, applications, and chiral recognition mechanisms of CSPs used to produce pure enantiomers. Fundamentals and method development studies in this field will be covered by this Special Issue along with CSP applications for separation of non-enantiomeric compounds that are difficult to separate with conventional achiral materials.

- Capillary electrochromatography
- Chirality
- Chiral stationary phases
- Chiral recognition
- Enantioseparation
- Gas-chromatography
- High-performance liquid chromatography
- Nano-liquid chromatography
- Molecular modeling
- Supercritical fluid chromatography

Guest Editors

Dr. Paola Peluso

Istituto di Chimica Biomolecolare, Consiglio Nazionale delle Ricerche, Traversa La Crucca 3, 07100 Sassari, Italy

Dr. Victor Mamane

Institute of Chemistry (UMR 7177), University of Strasbourg, 1 Rue Blaise Pascal, 67000 Strasbourg, France

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/48666

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

mdpi.com/journal/molecules

MDPI

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.

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).