Special Issue

Field-Flow Fractionation in Chemical Biology

Message from the Guest Editors

Field-flow fractionation is increasingly employed to assist the development, characterization, and purification of macromolecules of natural, biological, or synthetic origin. This flow-assisted separation technique is ideally suited to separate native structures with a gentle separation mechanism; the operational flexibility is appealing both for early-stage development of materials and for semipreparative purposes. More recently, its use for the analysis of nano-biopharmaceutical products has rapidly expanded. R&D, certification, validation, industrialization, and large-scale production require instrumental and methodological platforms specifically tailored to handle such analytes in native conditions. In this Special Issue, we want to collect the most recent contributions from researchers in field-flow fractionation and hyphenated techniques for the analysis and characterization of macromolecules, nanoparticles, and composite materials in biological systems, pharmaceutics, and chemical biology.

Guest Editors

Prof. Dr. Pierluigi Reschiglian

Prof. Dr. Andrea Zattoni

Prof. Dr. Barbara Roda

Dr. Valentina Marassi

Deadline for manuscript submissions

closed (15 October 2022)

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/85483

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

About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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 15.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).

MDPI