molecules

an Open Access Journal by MDPI

IMPACT FACTOR 4.2

Indexed in: PubMed

CITESCORE 7.4

Field-Flow Fractionation in 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)

Message from the Guest Editors

Dear Colleagues,

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.

molecules

IMPACT FACTOR 4.2 | Indexed in: PubMed | CITESCORE 7.4

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