molecules

an Open Access Journal by MDPI

IMPACT FACTOR 4.2

Indexed in: PubMed

CITESCORE 7.4

New Approaches in Structural and Biophysical Chemistry to Illuminate Molecular Interactions

Guest Editors:

Dr. Antoine Loquet
CNRS, CBMN, UMR5248, University of Bordeaux, F-33600 Pessac, France

Dr. Isabel D. Alves
CNRS, CBMN, UMR5248, University of Bordeaux, F-33600 Pessac, France

Deadline for manuscript submissions:
closed (31 January 2022)

Message from the Guest Editors

Dear Colleagues,

Biomolecular interactions can form a myriad of complexes that can adopt unique architectures, composed of single-to-multi-component molecules, ranging from small chemical moieties of tens of Daltons to supramolecular structures larger than a mega-Dalton.

In this Special Issue of Molecules, we will focus on recent developments and applications of novel approaches in structural and biophysical chemistry that aim to study molecular interactions. The development and application of new (bio)chemical probes will be covered, as will new biophysical techniques for uncovering binding-site information and the kinetics of interactions at resolutions that cover the atomic to optical range. Methodological improvements with a focus on improving the sensitivity, specificity or selectivity with which interactions can be monitored are of interest.

Contributions to this Special Issue will be in the form of original research or review articles on novel approaches and their application in chemistry and biology to elucidate molecular interactions.

Dr. Antoine Loquet
Dr. Isabel D. Alves
Guest Editors

mdpi.com/si/67334

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, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/molecules
molecules@mdpi.com
𝕏@Molecules_MDPI