

Special Issue

New Approaches in Structural and Biophysical Chemistry to Illuminate Molecular Interactions

Message from the Guest Editors

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.

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)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/67334

Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

[mdpi.com/journal/
molecules](https://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](https://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 29th 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 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).