

Special Issue

Molecular Quantum Dynamics Beyond Bound States

Message from the Guest Editor

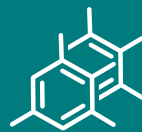
The photon-in/electron-out processes provide a wealth of information about the electronic structure of the target system, which is encoded in the kinetic energy of the outgoing electron, its angular distribution, spin-polarization, etc. That is why different flavors of steady-state and time-resolved photoemission and Auger spectroscopies enjoy great popularity in studying molecules. This Special Issue will address theoretical methods to describe various aspects of ionization and autoionization spectroscopies from UV/Vis to X-ray domains, the interaction of molecules and atoms with intense laser fields, as well as the electronic and non-adiabatic dynamics following the expulsion of an electron. Articles presenting new methodological developments and applications to molecular spectroscopy and dynamics are welcome.

Guest Editor

Dr. Sergey I. Bokarev
Universität Rostock, Rostock, Germany

Deadline for manuscript submissions

closed (31 October 2022)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.4
Indexed in PubMed



mdpi.com/si/60684

Molecules
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 4.2
CiteScore 7.4
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 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 (Chemistry, Multidisciplinary) / CiteScore - Q1 (Chemistry (miscellaneous))

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 2.8 days (median values for papers published in this journal in the first half of 2024).