

Special Issue

Molecular Spectroscopy and Molecular Structure in Europe

Message from the Guest Editor

This Special Issue is dedicated to experimental and theoretical studies of molecular spectra and structure from European scholars. Europe has always had a very strong and innovative community in this field. These groups presently continue to develop state-of-the-art novel experimental and theoretical techniques. Paper topics in this issue should be dedicated to high-resolution molecular spectroscopy techniques in the gas phase, over the whole spectral range, from microwave to ultraviolet. The described results may lead to the accurate determination of molecular structures and/or to the simulation of spectra and radiative transfer. Applications may be related to atmospheric, (exo)-planetary, interstellar medium, and also industrial studies requiring remote sensing approaches for the detection of gas-phase molecular species.

Guest Editor

Prof. Dr. Vincent Boudon

Laboratoire Interdisciplinaire Carnot de Bourgogne UMR 6303
CNRS/UBE, 9 Avenue Alain Savary, BP 47870, CEDEX, 21078 Dijon,
France

Deadline for manuscript submissions

closed (31 January 2026)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/212240

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 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).