

Special Issue

Synthesis and Biological Evaluation of Coordination Compounds

Message from the Guest Editors

Coordination compounds represent a dynamic frontier in chemical and biological research, offering the potential to transform a range of applications, from therapeutic agents to diagnostic tools. These compounds, which consist of a central metal atom or ion bonded to various ligands, are of particular interest due to their diverse and tuneable properties. By investigating their molecular interactions, we can uncover crucial information about their stability and reactivity and how they interact with biomolecules, which is essential to their use in therapeutics and diagnostics.

This Special Issue will showcase work by scholars in the synthesis and biological evaluation of these sophisticated compounds. By exploring novel coordination compounds and their interactions at the molecular/biomolecular level, researchers will share new insights into these compounds' stability, reactivity, and biological activity. We invite contributions that delve into innovative synthesis methods, structure–activity relationships, and the evaluation of biological effects, including interactions with biomolecules.

Guest Editors

Prof. Dr. Adenilson Oliveira dos Santos
Dr. Francisco Ferreira De Sousa
Prof. Dr. Fernando Mendes

Deadline for manuscript submissions

30 April 2026



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/222417

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).