

Synthesis and Investigation of Novel Coordination Compounds

Guest Editors:

Prof. Dr. Axel Klein

Department of Chemistry,
Institute of Inorganic Chemistry,
University of Cologne, D-50939
Cologne, Germany

Prof. Dr. Fabian Mohr

Anorganische Chemie Fakultät
für Mathematik und
Naturwissenschaften, Bergische
Universität Wuppertal, Gaußstr.
20, 42119 Wuppertal, Germany

Dr. Hamid R. Shahsavari

Department of Chemistry,
Institute for Advanced Studies in
Basic Sciences (IASBS), Zanjan
45137-66731, Iran

Deadline for manuscript
submissions:

closed (30 June 2022)

Message from the Guest Editors

Dear colleagues,

This Special Issue will cover all aspects of coordination chemistry and will span from the molecular world of complexes to the world of solid state compounds, such as metal–organic frameworks and functionalized nanoparticles with all the fascinating applications that make coordination chemistry a very powerful and interdisciplinary field.

We welcome contributions dedicated to the synthesis and investigation of:

- New functional molecular transition metal complexes in catalysis, medical chemistry, and optoelectronics;
- New functional coordination polymers and metal–organic frameworks (MOFs);
- New supramolecules based on coordination chemistry;
- New coordination chemistry on the surface of nanoparticles and low-dimensional solid materials.

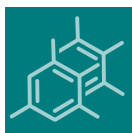
Prof. Dr. Axel Klein

Prof. Fabian Mohr

Dr. Hamid R. Shahsavari

Guest Editors





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, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](https://twitter.com/Molecules_MDPI)