



an Open Access Journal by MDPI

# 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 metalorganic 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