



an Open Access Journal by MDPI

## Metal-Based Drugs

Guest Editors:

**Prof. Dr. Carlo Santini**

School of Science and  
Technology, Chemistry Division,  
University of Camerino, Via  
Sant'Agostino 1, 62032 Camerino,  
Italy

**Dr. Maura Pellei**

School of Science and  
Technology, Chemistry Division,  
University of Camerino, Via  
Sant'Agostino 1, 62032 Camerino,  
Italy

Deadline for manuscript  
submissions:

**closed (31 December 2019)**

### Message from the Guest Editors

Metals have been considered for millennia to have medicinal values, and with the advent of modern medicine, numerous metal-based drugs have proven to be highly effective in clinical settings. Many different metal ions have shown activity against a range of diseases, beyond their well-known applications in cancer (cisplatin) or rheumatoid arthritis (auranofin). The widespread medicinal applications of metal-based compounds have captured the attention of the scientific community in recent years for the variety of compounds studied owing to their wide spectrum of reactivity and the width of their applications in medicinal chemistry for the synthesis of chemotherapeutic and diagnostic molecules not readily accessible to organic compounds.

This Special Issue will cover a selection of recent research and review articles to collect and disseminate some of the most significant and recent contributions in the field of metals used in medicine, highlighting their pharmacological applications in several diseases, such as cancers, diabetes, osteoporosis, and as diagnostic agents.



[mdpi.com/si/18673](https://mdpi.com/si/18673)



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, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/molecules](http://mdpi.com/journal/molecules)  
[molecules@mdpi.com](mailto:molecules@mdpi.com)  
[X@Molecules\\_MDPI](#)