



## The Biological Applications of Metals and Metal Complexes

Guest Editors:

**Prof. Manuel Aureliano**

**Dr. Nadiia I. Gumerova**

**Prof. Dr. Annette Rompel**

Deadline for manuscript  
submissions:

**closed (31 July 2022)**

### Message from the Guest Editors

This Special Issue will provide recent insights into the applications of metals and their complexes in biology and biomedicine. A wide range of topics is welcomed, including the use of metals and their complexes for biomolecule detection, bioremediation, bioaccumulation; as sensors, probes and enzyme inhibitors; metals for health applications; for the prevention, therapy and diagnosis of diabetes and neurological diseases; and as antiviral, antimicrobial and anticancer agents and additives in macromolecular crystallography. For this Special Issue, we are looking forward to receiving regular research papers, reviews and short communications.





an Open Access Journal by MDPI

## Editors-in-Chief

### Prof. Dr. Hugo F. Lopez

Department of Materials Science and Engineering, College of Engineering & Applied Science, University of Wisconsin-Milwaukee, 3200 N. Cramer Street, Milwaukee, WI 53211, USA

### Prof. Dr. Yong Zhang

Beijing Advanced Innovation Center of Materials Genome Engineering, State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083, China

## Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

## 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), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Metallurgy and Metallurgical Engineering*) / CiteScore - Q1 (Metals and Alloys)

## Contact Us

---

Metals Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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

[mdpi.com/journal/metals](http://mdpi.com/journal/metals)  
[metals@mdpi.com](mailto:metals@mdpi.com)  
[X@Metals\\_MDPI](https://twitter.com/Metals_MDPI)