



an Open Access Journal by MDPI

## Multifunctional Bioinorganic Metal Ions in Pharmaceutical Applications

Guest Editors:

### Dr. Ciara M Murphy

1. Tissue Engineering Research Group, Department of Anatomy & Regenerative Medicine, RCSI University of Medicine and Health Sciences, D02 YN77 Dublin, Ireland

2. Advanced Materials and Bioengineering Research (AMBER) Centre, Trinity College Dublin (TCD), D02 PN40 Dublin, Ireland

### Dr. Kulwinder Kaur

1. School of Pharmacy and Biomolecular Sciences, RCSI University of Medicine and Health Sciences, D02 YN77 Dublin, Ireland

2. Tissue Engineering Research Group, Department of Anatomy & Regenerative Medicine, RCSI University of Medicine and Health Sciences, D02 YN77 Dublin, Ireland

### Message from the Guest Editors

Dear Colleagues,

In this Special Issue entitled “Multifunctional Bioinorganic Metal Ions in Pharmaceutical Applications”, we aim to explore the potential and diversity of bioinorganic metal ions for the preparation of small molecule therapeutics, novel regenerative medicines, gene therapy, biological imaging and drug delivery agents. The growing field of bioinorganic metal ions has expanded the knowledge of their role in up-/down-regulating cellular functions and biological processes, as well as in the onset and progression of different pathologies. This Special Issue aims to provide insight into the cutting-edge developments in the controlled and sustained therapeutic potential of bioinorganic metal ions for pharmaceutical/biological applications. Altogether, starting from a deep insight into basic aspects, this issue aims to highlight the new advances in “metals in pharmaceutical applications” in the form of original research papers and review articles.

Deadline for manuscript submissions:

**closed (20 December 2022)**



[mdpi.com/si/89660](https://mdpi.com/si/89660)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Patrick J. Sinko

Department of Pharmaceutics,  
Ernest Mario School of  
Pharmacy, Rutgers University,  
Piscataway, NJ 08854, USA

## Message from the Editor-in-Chief

*Pharmaceutics* (ISSN 1999-4923) is an online open access journal on the science and technology of pharmaceutics and biopharmaceutics. The scientific community, the wider community and the general public have unlimited and free access to the content as soon as a paper is published; this open access to your research ensures your findings are shared with the widest possible audience. Please consider publishing your impressive work in this high quality journal. We would be pleased to welcome you as one of our authors.

## 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, PMC, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (Pharmaceutical Science)

## Contact Us

---

*Pharmaceutics* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

[mdpi.com/journal/pharmaceutics](http://mdpi.com/journal/pharmaceutics)  
[pharmaceutics@mdpi.com](mailto:pharmaceutics@mdpi.com)  
X@MDPIpharma