

Special Issue

Pharmaceutical Applications of Metal Complexes and Derived Materials

Message from the Guest Editor

In recent years, Medicinal Inorganic Chemistry has demonstrated remarkable capacity in the development of metal complexes and related materials with innumerable pharmaceutical applications, encompassing therapeutic, diagnostic and theranostic purposes. The coordination of biologically active organic molecules and preparation of metallo-bionanomaterials has been used as a strategy to circumvent many of the difficulties associated with current chemotherapies, such as high toxicity, lack of activity during the chronic phase and cellular and microbial resistances.

In this Special Issue, all contributions (original or review) on novel biologically active coordination compounds and related materials employed as pharmacological tools, including reports on their synthesis and characterization; preparation of biosensors; radiolabeling of ligands; biochemical/pharmacological evaluation and incorporation in drug delivery systems; as well as investigations of their biological targets, are welcome. Studies concerning known compounds, comprising analytical and computational investigations, are also encouraged provided there is a clear benefit to the field of Medicinal Chemistry.

Guest Editor

Prof. Dr. Pedro Ivo da Silva Maia

Núcleo de Desenvolvimento de Compostos Bioativos (NDCBio),
Universidade Federal do Triângulo Mineiro, Av. Dr. Raulo Borges
1400, Uberaba 38025-440, MG, Brazil

Deadline for manuscript submissions

closed (20 June 2025)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/181164

Pharmaceutics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceutics@mdpi.com

[mdpi.com/journal/
pharmaceutics](https://mdpi.com/journal/pharmaceutics)





Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



[mdpi.com/journal/
pharmaceutics](https://mdpi.com/journal/pharmaceutics)



About the Journal

Message from the Editor-in-Chief

Pharmaceutics (ISSN 1999-4923) is an online open access journal on the science and technology of pharmaceuticals and biopharmaceuticals. 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.

Editor-in-Chief

Prof. Dr. Patrick J. Sinko

Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, William Levine Hall, Room 225C, 160 Frelinghuysen Road, Piscataway, NJ 08854-8020, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (Pharmaceutical Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.7 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).