

## Special Issue

# Recent Advances in Biomedical Applications of Magnetic Nanomaterials

### Message from the Guest Editors

Magnetic nanoparticles (MNPs) have emerged as promising candidates for a wide array of biomedical applications due to their unique responsiveness to external magnetic fields, which enables remote control and manipulation. In recent years, extensive research efforts have been dedicated to exploring the applications of magnetic nanoparticles (MNPs) in biomedical fields, including their use as contrast agents in magnetic resonance imaging (MRI), or more recently using the magnetic particle imaging technique. Additionally, MNPs have shown promise in cancer therapy through magnetic hyperthermia, where they are subjected to radiofrequency magnetic fields to induce heating for therapeutic purposes. We aim for this Special Issue, titled "Recent Advances in Biomedical Applications of Magnetic Nanomaterials", to provide a platform for researchers to share their latest experimental and theoretical findings related to the development and application of magnetic nanomaterials in the medical field, where we welcome both reviews and research papers focused on distinct aspects of medical applications of MNPs.

### Guest Editors

Prof. Dr. Constantin Mihai Lucaciu

Department of Pharmaceutical Physics-Biophysics, Faculty of Pharmacy, "Iuliu Hatieganu" University of Medicine and Pharmacy, Pasteur 6, 400349 Cluj-Napoca, Romania

Prof. Dr. Yunn-Hwa Ma

Department of Physiology and Pharmacology, College of Medicine, Chang Gung University, Kwei-San, Taoyuan 33302, Taiwan

### Deadline for manuscript submissions

closed (28 February 2025)



## Pharmaceutics

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.5  
CiteScore 10.0  
Indexed in PubMed



[mdpi.com/si/197103](https://mdpi.com/si/197103)

*Pharmaceutics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[pharmaceutics@mdpi.com](mailto: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  
Department of Pharmaceutics, Ernest Mario School of Pharmacy,  
Rutgers University, Piscataway, NJ 08854, USA

---

### Author Benefits

#### 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)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 3.3 days (median values for papers published in this journal in the first half of 2025).