

## Special Issue

# Functionalized Nanoparticles in Cancer Therapeutics

### Message from the Guest Editors

Cancer is a leading cause of death. Drug discovery has provided highly potent chemotherapeutic drug molecules for the treatment of various cancers. Targeted delivery of drugs, via functional nanomedicines to cancer tumors in a “magic bullet” approach, selectively kills the tumor cells without harming the benign cells. Current clinical practice for cancer treatment is based on many functional nanomedicines for tumor targeting with minimal exposure to “normal” cells, thus avoiding toxicity to the patient. This Special Issue covers the following nanomedicines:

- Protein, polymer, and lipid-based nanomedicines with multifunctionalities such as targeted moieties, triggered stimuli responses, immunoevasion (pegylation), prolonged release, protection of drug from degradation;
- Inorganic nanomedicines with unique electromagnetic properties for tumor site specific delivery and diagnostic and imaging capabilities;
- Nanomedicines prepared with various functional biomaterials with unique transport properties for tumor targeting via enhanced permeability and retention effect.

### Guest Editors

Prof. Dr. R. Jayachandra Babu

Department of Drug Discovery and Development, Harrison School of Pharmacy, Auburn University, Auburn, AL 36849, USA

Dr. Amit K. Tiwari

College of Pharmacy, University of Arkansas for Medical Sciences, 4301 West Markham Street, Little Rock, AR 72205, USA

### Deadline for manuscript submissions

closed (20 September 2023)



## Pharmaceutics

an Open Access Journal  
by MDPI

Impact Factor 5.5  
CiteScore 10.0  
Indexed in PubMed



[mdpi.com/si/107937](https://mdpi.com/si/107937)

*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 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.

---

### 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).