

# Special Issue

## Emerging Trends and Translational Challenges in Drug and Vaccine Delivery

### Message from the Guest Editors

Drug and vaccine delivery are continuously progressing, and the developments in the past several decades have been enormous. Novel therapeutic modalities leverage advancements in long-term effects, controlled release, cocktail therapies, combinatorial methods, self-administration, and improved patient adherence by rationally designing innovative approaches for drug and vaccine delivery. Given the emerging trends and challenges, the comprehensive preclinical assessment of drug and vaccine delivery systems includes mechanistic chemistry, physicochemical characterizations, pre-formulation investigations, molecular pharmacology, and biological and toxicological evaluations.

This Special Issue aims to provide the readers with the recent advancements in drug and vaccine delivery and associated challenges from bench to clinic and reflects on the pharma-/biotech- industrial applications. Research and review manuscripts focused on this theme are welcomed.



# Pharmaceutics

an Open Access Journal  
by MDPI

Impact Factor 5.5

CiteScore 10.0

Indexed in PubMed



[mdpi.com/si/132865](https://mdpi.com/si/132865)

*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)

### Guest Editors

Dr. Vibhuti Agrahari

Department of Pharmaceutical Sciences, University of Oklahoma Health Sciences Center, 1110 N. Stonewall Avenue, CPB 325, Oklahoma City, OK 73117, USA

Dr. Prashant Kumar

Vaccine Analytics and Formulation Center, Department of Pharmaceutical Chemistry, University of Kansas, Lawrence, KS 66047, USA

---

### Deadline for manuscript submissions

closed (30 September 2023)





# Pharmaceutics

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.5  
CiteScore 10.0  
Indexed in PubMed

---



[mdpi.com/journal/  
pharmaceutics](http://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

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, 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 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).

