

## Special Issue

# Liposomes for Gene and Drug Delivery

### Message from the Guest Editors

Recently, liposomes have received much attention as carriers for gene therapy and chemotherapy in pharmaceutical applications. The application of liposomes in these therapies improves the pharmacokinetics of genes and drugs compared to their free forms. In gene therapy, liposomal encapsulation or lipoplex formation can stabilize therapeutic genes in blood circulation and deliver them efficiently to target tissues with minimal toxicity. Liposomal encapsulation of therapeutic agents can reduce the side effects and enhance the therapeutic efficacy of chemotherapeutic drugs by modifying their pharmacokinetics and tissue distribution. These therapeutic outcomes are influenced by the physicochemical properties of liposomes such as particle size, surface charge, and release rate, and by their surface functionalization with polymers or targeting ligands. This Special Issue will publish articles on all aspects of liposomal gene and drug delivery systems including the design, development, and characterization of liposomal formulations, their pharmacokinetic properties, and their use in the treatment of acquired and inherited diseases.

---

### Guest Editors

Prof. Dr. Yoshiyuki Hattori

Department of Pharmaceutics, Hoshi University, 2-4-41, Ebara, Shinagawa-ku, Tokyo 142-8501, Japan

Dr. Kumi Kawano

Department of Pharmaceutics, Hoshi University, 2-4-41, Ebara, Shinagawa-ku, Tokyo 142-8501, Japan

---

### Deadline for manuscript submissions

closed (31 July 2020)



## Pharmaceutics

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 7.9  
Indexed in PubMed



[mdpi.com/si/32626](https://mdpi.com/si/32626)

*Pharmaceutics*  
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 4.9  
CiteScore 7.9  
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 3.4 days (median values for papers published in this journal in the first half of 2024).