

Special Issue

Current Research on Polymeric Nanoparticles for Drug Delivery Applications

Message from the Guest Editors

Polymeric nanoparticles are colloidal nanostructures capable of carrying and delivering diagnostic and therapeutic molecules with various physicochemical properties. These nanoparticles, made from natural or synthetic polymers, are widely used in drug delivery for anticancer agents, vaccines, antibiotics, nucleic acids, and other bioactive molecules. Polymeric nanoparticles alter the pharmacokinetics of loaded drugs and can be tailored for site-specific release. They are stable in circulation and can be modified for active targeting. Additionally, Polymeric nanoparticles can be administered through different routes, including intravenous and transdermal delivery. This Special Issue focuses on current research in the design, development, and characterization of Polymeric nanoparticles, their targeting capabilities, and their biological testing. It aims to publish manuscripts in areas such as pharmaceutical formulations; controlled-release systems for drugs, vaccines, and biopharmaceuticals; pharmaceutical process engineering, biotechnology, and nanotechnology; and the intersection of devices, cells, molecular biology, materials science, and drug delivery.

Guest Editors

Dr. Simeon Kolawole Adesina

College of Pharmacy, Howard University, 2300 4th St NW, Washington, DC 20059, USA

Dr. Funmilola Adesodun Fisusi

School of Applied Sciences, University of Brighton, Brighton and Hove BN2 4GJ, UK

Deadline for manuscript submissions

closed (30 April 2026)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/204735

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).