

Special Issue

Nanoparticles in Photodynamic Therapy

Message from the Guest Editors

Photodynamic therapy (PDT) is a minimally invasive therapeutic strategy that relies on the activation of photosensitizers (PSs) via light of a suitable wavelength to generate reactive oxygen species (ROS), leading to selective cytotoxic effects. However, many conventional PSs face limitations. To address these challenges, nanotechnology has enabled the development of advanced delivery systems that improve the pharmacokinetics, targeting, and photophysical properties of PSs.

This Special Issue aims to showcase recent advances in nanoparticle-assisted PDT, focusing on the design, synthesis, and application of nanosystems that respond to light and complementary physiological stimuli.

Nanocarriers have demonstrated the ability to improve PS stability, enhance ROS generation, control release, and broaden therapeutic applicability. Applications of interest include oncological therapy and antimicrobial PDT (aPDT) targeting bacterial and fungal infections.

We welcome original research and review articles addressing innovative nanoformulations, novel or enhanced PSs, combination strategies, and preclinical validation studies.

Guest Editors

Dr. Luis Felipe Barraza Ramírez

Dr. Manuel Francisco Melendrez Castro

Dr. Cristian Hugo Campos Figueroa

Deadline for manuscript submissions

28 February 2026



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/247982

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
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).