Special Issue

Nanotechnology and Pharmaceutical Innovations in Oral Diseases

Message from the Guest Editors

Oral diseases remain among the most prevalent global health burdens, with significant impacts on quality of life and systemic health. Conventional therapeutic approaches are often limited by poor drug solubility, low bioavailability, rapid clearance, and difficulties in achieving sustained local delivery within the oral cavity. Recent advances in nanotechnology and pharmaceutical sciences are opening new horizons for more effective prevention and treatment strategies. Nanoscale systems, including nanoparticles, nanofibers, liposomes, micelles, and bioinspired carriers, enable targeted and controlled drug release, improved mucosal adhesion, and enhanced penetration into hard-to-reach sites. Moreover, smart nanomaterials can deliver antimicrobials, anti-inflammatory agents, growth factors, and regenerative molecules with greater precision and reduced side effects. This Special Issue aims to highlight innovative research at the interface of nanotechnology, drug delivery, and oral medicine, fostering translational strategies that may redefine clinical management of oral infections, periodontal disease, oral cancer, and tissue regeneration.

Guest Editors

Dr. Alina Stefanache

Faculty of Pharmacy, "Grigore T. Popa" University of Medicine and Pharmacy, 700115 Iasi, Romania

Dr. Kristen E. Bremmell

Clinical and Health Sciences, Centre for Pharmaceutical Innovation, University of South Australia, Adelaide, SA 5000, Australia

Deadline for manuscript submissions

30 April 2026



Pharmaceutics

an Open Access Journal by MDPI

Impact Factor 5.5 CiteScore 10.0 Indexed in PubMed



mdpi.com/si/255169

Pharmaceutics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceutics@mdpi.com

mdpi.com/journal/pharmaceutics





an Open Access Journal by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



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, New Jersey 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 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).

