

## Special Issue

# Barrier Properties of the Human Eye and the Need for Novel Formulations, Drug Delivery Technologies and Medical Devices to Combat Age-Related Sight Loss

### Message from the Guest Editors

The size of the global ophthalmic drugs market is expected to reach USD 43.1 billion by 2026. Finding efficient alternatives to conventional eye drops and intravitreal injections is desirable. The delivery of drugs and biologics to the ocular surface, anterior chamber, and posterior segment of the eye poses formidable challenges due to the unique physiological and pharmacological constraints of the human eye. With the global rise of the elderly population, conditions such as cataract, presbyopia, glaucoma, dry eye, age-related macular degeneration, keratitis, and diabetic retinopathy are becoming ever more prevalent. Low ocular bioavailability along with poor patient adherence are characteristic of the topical ocular hypotensive eye drops that are routinely used in glaucoma management.

### Guest Editors

Prof. Dr. Raid Alany

Prof. Dr. Steve Brocchini

Dr. Ali Seyfoddin

### Deadline for manuscript submissions

closed (30 November 2023)



## Pharmaceutics

an Open Access Journal  
by MDPI

Impact Factor 5.5  
CiteScore 10.0  
Indexed in PubMed



[mdpi.com/si/41470](https://mdpi.com/si/41470)

*Pharmaceutics*  
Editorial Office  
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 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).