



## Albumin-Based Drug Delivery Systems

Guest Editor:

**Dr. Gábor Katona**

Faculty of Pharmacy, Institute of  
Pharmaceutical Technology and  
Regulatory Affairs, University of  
Szeged, H-6720 Szeged, Hungary

Deadline for manuscript  
submissions:

**closed (10 February 2022)**

### Message from the Guest Editor

Dear Colleagues,

Albumin is playing an increasing role as a versatile, biodegradable nano drug carrier in clinical therapy. By applying different formulation techniques, nanoparticles can be prepared from albumin and an active pharmaceutical ingredient. Principally, three drug delivery technologies can be distinguished for binding small-molecule or peptide drugs through the charged amino acids, carboxyl, and amino groups of albumin: physical or covalent binding of the drug to albumin through a ligand- or protein-binding group, the fusion of drug with albumin, and the encapsulation of drugs into albumin nanoparticles. The accumulation of albumin in inflamed tissues and solid tumors forms the rationale for developing albumin-based drug delivery systems for targeted drug delivery.

The current Special Issue aims to focus on the development and optimization of albumin nanoparticles which can be a promising tool in therapy through conventional or alternative administration routes. Research scientists working in this field are therefore invited to contribute by submitting original research articles, review articles, or commentaries.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Patrick J. Sinko

Department of Pharmaceutics,  
Ernest Mario School of  
Pharmacy, Rutgers University,  
Piscataway, NJ 08854, USA

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**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)

## Contact Us

Pharmaceutics Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/pharmaceutics](http://mdpi.com/journal/pharmaceutics)  
[pharmaceutics@mdpi.com](mailto:pharmaceutics@mdpi.com)  
[X@MDPIpharma](https://twitter.com/MDPIpharma)