



## Digital Pharmaceutics: Model-Informed Pharmaceutical Products and Process Design

Guest Editor:

**Prof. Dr. Amrit Paudel**

Graz University of Technology &  
Research Center Pharmaceutical  
Engineering (RCPE), Graz, Austria

Deadline for manuscript  
submissions:

**closed (10 November 2020)**

### Message from the Guest Editor

This Special Issue intends to compile top-level contributions in the form of research articles, opinions, and reviews from key academic and industrial opinion leaders and eminent groups dealing with the predictive science applied to pharmaceutical material, process, and product developments. We encourage the submission of case studies of applying a wide diversity of modeling and simulations, such as molecular simulations, crystals, and crystallization modeling (MD simulations, QM, QC calculations), contact mechanics, macroscopic modeling of particle and powder processes (e.g., CFD-DEM, LBM, FEM, PBE), physiologically-based absorption modeling (e.g., PBPK, PBB, IVIVC), machine learning/AI applied to pharmaceutical product and processes, etc. In addition, small-scale predictive experiments that generate predictive knowledge of processes and products at larger scales, as well as in vitro understanding that can predict the fate of drug product in vivo are also welcome.





an Open Access Journal by MDPI

## 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

## 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