



## Amorphous Drug Formulations: Progress, Challenges and Perspectives

Guest Editor:

**Prof. Dr. Alain Hedoux**

UMET – Unité Matériaux et Transformations, Université de Lille, CNRS, INRAE, Centrale Lille, UMR 8207, F-59000 Lille, France

Deadline for manuscript submissions:

**closed (30 June 2023)**

### Message from the Guest Editor

The extensive academic research on amorphous drug formulations can be estimated by searching SCOPUS for two search terms, (amorphous) AND (drug). More than 3000 references were found for a 10-year period, and almost 2000 since 2017. Two main factors in increasing research in this area originate from (i) the poor solubility and bioavailability of newer APIs in the crystalline state, and (ii) the bioprotective effect of amorphous solids immobilizing labile therapeutic proteins. Physical instability remains a key problem of amorphous pharmaceuticals and biopharmaceuticals, and their vulnerability to various stresses during preparation, manufacturing processes or storage limits their therapeutic use.

This Special Issue aims to focus on new strategies to make the use of amorphous drugs more common, combining advances in new formulations and methods for preparing formulations, supported by fundamental research on the amorphous solid-state. Original research articles and review articles dealing with all aspects of amorphous drug formulations from the design of new types of formulations to the evolution in the amorphizing and manufacturing processes are welcome.





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 & Pharmacy*) / CiteScore - Q1 (*Pharmaceutical Science*)

## Contact Us

---

*Pharmaceutics* Editorial Office  
MDPI, St. Alban-Anlage 66  
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