

## Special Issue

# Pharmaceutical Applications of Hot-melt Extrusion

### Message from the Guest Editor

Over the past few decades, hot-melt extrusion (HME) techniques have appeared as an innovative platform for the manufacture of various pharmaceuticals. HME is primarily used for the manufacture of pharmaceutical solid dispersions. It also combines the advantages of a solvent-free process with fewer production steps so that it is easy to scale-up and can perform continuous manufacturing applications. Despite HME can successfully be utilized as an effective means to manufacture various novel macromolecules and biologics, it has now explicitly been established, from a quality by design (QbD) viewpoint, as per recent guidelines issued by the US FDA. Moreover, HME has enjoyed a renaissance through coupling with modern manufacturing techniques, such as 3D printing, to deliver most immediate potential for unit dose fabrications. The proposed Special Issue will focus primarily on the foregoing subject areas (advanced applications for drug delivery/twin-screw granulations, continuous co-crystallisation, controlled release, taste masking and sustained release case studies, 3D printing technology, and FDA's perspectives).

### Guest Editor

Dr. Mohammed Maniruzzaman

Lecturer in Pharmaceutics/Drug Delivery, Department of Pharmacy, School of Life Sciences, University of Sussex, Brighton BN1 9QJ, UK

### Deadline for manuscript submissions

closed (31 August 2018)



## Pharmaceutics

an Open Access Journal  
by MDPI

Impact Factor 5.5  
CiteScore 10.0  
Indexed in PubMed



[mdpi.com/si/11393](https://mdpi.com/si/11393)

*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

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

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPIus / 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 15.7 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).