



## Pharmaceutical Applications of Hot-melt Extrusion

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)**

### Message from the Guest Editor

Dear Colleagues,

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).

Dr. Mohammed Maniruzzaman<b





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