

Special Issue

Cocrystal Applications in Drug Delivery

Message from the Guest Editor

Pharmaceutical cocrystals are multicomponent crystals in which at least one component is an active pharmaceutical ingredient. Cocrystallisation has long been recognised as a promising approach to modify the physicochemical properties of a drug without making chemical modifications to the drug molecule itself.

Cocrystal formation is an attractive strategy to improve the bioavailability of a poorly soluble drug, i.e., to enhance the effectiveness of the drug becoming available at the target site. So far, many studies have focussed on the application of crystal engineering principles to rationally design cocrystals, the identification of supramolecular synthons, and the relationship between cofomer selection and dissolution enhancement. On the other hand, there are several aspects of cocrystals that are understudied or still present significant challenges, such as the prediction of cocrystal formation, their formulation, large-scale production and process design. This Special Issue aims to highlight the potential of cocrystals in drug delivery, and we invite contributions on all aspects of the topic, both from fundamental research and practical applications.

Guest Editor

Dr. Andrea Erxleben

The SFI Research Centre for Pharmaceuticals, Bernal Institute,
University of Limerick, Limerick, Ireland

Deadline for manuscript submissions

closed (30 April 2020)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 7.9
Indexed in PubMed



mdpi.com/si/31715

Pharmaceutics
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceutics@mdpi.com

[mdpi.com/journal/
pharmaceutics](https://mdpi.com/journal/pharmaceutics)





Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 7.9
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
Department of Pharmaceutics, Ernest Mario School of Pharmacy,
Rutgers University, Piscataway, NJ 08854, USA

Author Benefits

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)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 3.4 days (median values for papers published in this journal in the first half of 2024).