Special Issue

Pharmaceutical Solid Forms: From Crystal Structure to Formulation

Message from the Guest Editor

Before it becomes beneficial for the patient, a drug must go through several phases of development. Its final formulation, where the active ingredient is mixed with the other components (excipients), must take into account various factors, such as its solid state, pH, solubility, etc. Indeed, in the solid state, the active ingredient can exist in different forms: anhydrous or solvated crystalline, non-crystalline (amorphous), or even in the form of salts or, more rarely, in the form of co-crystals. It should be remembered that more than 80% of drugs exist in solid form and that almost all of the active ingredients are solid in the raw material state. The solid form may affect the chemical and physical properties of the drug, mostly physical and/or chemical stability (including pharmaceutical operations), solubility, bioavailability, etc. Consequently, the identification and control of the API solid form in the final drug must be ensured throughout the development, including final packaging. Indeed, the active substance may interact physically or chemically with the excipients, or with the container, which may modify its activity.

Guest Editor

Dr. Philippe Espeau

UTCBS, Department of Pharmacy, University Paris Cité, 75006 Paris, France

Deadline for manuscript submissions

closed (20 January 2025)

Pharmaceutics

an Open Access Journal by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed

mdpi.com/si/167945

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

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

MDPI

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 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.

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 3.3 days (median values for papers published in this journal in the first half of 2025).