

Special Issue

Novel Strategies for Drug Solubility Formulation and Processing

Message from the Guest Editor

One of the most challenging problems in the pharmaceutical industry is improving the dissolution, and therefore, bioavailability of poorly soluble drugs. The vast majority of newly developed drugs, as well as a significant portion of the currently available medical drugs, are poorly soluble. The lack of adequate solubility places significant limitations on the bioavailability of drug molecules, thereby reducing the drug's effectiveness or preventing the drug molecule's medical effects from being fully realized at safe doses. Currently, products have been developed based on nanocrystals, co-crystals, solid dispersions, and other technologies. The physical and chemical properties of raw drug molecules and their clinical dosage affect the design of drug formulas. At the same time, many technical means are used to improve the physical and chemical properties and pharmacokinetics of poorly soluble drugs.

Guest Editor

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Deadline for manuscript submissions

closed (25 March 2024)



Pharmaceutics

an Open Access Journal
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Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/188367

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