



Solid Dispersions for Bioavailability Enhancement

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Solid dispersions (SDs) have gained considerable attention in recent years as one of the most promising approaches to enhance the bioavailability of poorly soluble drugs. SDs can be prepared using various techniques, such as spray-drying and hot melt extrusion, by dispersing a poorly soluble drug in a polymeric matrix, which prevents drug crystallization and enhances both the solubility and the dissolution rate.

This Special Issue aims to provide a comprehensive overview of the recent advances in the field of SDs for bioavailability enhancement covering the development, characterization, and evaluation of SDs, as well as their applications in drug delivery. The collection of articles will hopefully contribute to advancements in the field, and ultimately, the development of more effective and safe medicines for patients.

Topics include (but not limited to) the following:

- Development and optimization of SDs using various techniques;
- Physical and chemical characterization of SDs;
- Evaluation of the in vitro and in vivo performance of SDs;
- Mechanistic understanding of the behavior of SDs

Dr. Matthias Manne Knopp

Guest Editor





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