

Special Issue

Preparation and Development of Amorphous Solid Dispersions

Message from the Guest Editors

Amorphous solid dispersions (ASDs) have emerged as a key strategy with which to enhance the bioavailability of poorly water-soluble drugs. By converting crystalline drugs into amorphous forms and stabilising them in a polymer matrix, ASDs can significantly improve their solubility, dissolution rate, and absorption. However, challenges related to their stability, manufacturing, and scalability remain active research areas. This Special Issue seeks to explore recent advances in the preparation, characterisation, and development of ASDs. We invite original research articles and reviews on novel preparation techniques, stabilisation mechanisms, in vitro and in vivo performance, and industrial applications. Contributions addressing challenges in process optimisation, scale-up, and regulatory considerations are encouraged. We look forward to your submissions, which will contribute to advancing the field of amorphous solid dispersions and enhancing the therapeutic effectiveness of drugs.

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Editor-in-Chief

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