

Special Issue

Advances in Amorphous Drug Formulations

Message from the Guest Editor

Amorphous drug delivery systems are one of the most promising technologies to tackle the issue of poor bioavailability of an increasing number of poorly soluble drugs in the development pipelines. Due to the poor physical stability of pure amorphous drugs, formulation scientists frequently use different types of excipients to stabilize the drug in its amorphous form, including different types of polymeric carriers, mesoporous materials or other low molecular weight excipients. The mechanism of stabilization has been attributed to the properties of the chosen excipient and the drug, such as drug-excipient miscibility, antiplasticization, molecular interactions, etc. However, whilst more and more products have reached the market in the past few years, the amorphous form and amorphous formulations still remain not fully understood. This Special Issue serves to capture the contemporary progress in the field of amorphous formulations, both from a fundamental understanding and their practical application.

Guest Editor

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