

Special Issue

Recent Advances in Solid Dosage Form

Message from the Guest Editors

Solid dosage forms are still the golden standard for patients and the pharmaceutical industry in terms of convenience and versatility. The current research interest in the field of solid dosage forms spans from formulation development of delivery systems for improved bioavailability of poorly soluble drugs to conversion of complex colloidal formulations, including biologics, into solid dosage forms for oral administration. Specific dosage forms for intraoral administration, such as orally disintegrating tablets, mucoadhesive tablets, and films, as well as multiparticulate systems that can be formulated as sprinkle products, have received great interest due to the potential for improved patient compliance. Furthermore, novel additive manufacturing technologies for 2D and 3D printing are allowing a patient-centric approach to drug delivery. From the perspective of the pharmaceutical industry, key enabling technologies are continuous processing, modeling, and simulation tools and process analytical technologies. This Special Issue has the aim of highlighting recent advances in solid dosage forms, in terms of both formulation and processing aspects.

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