

Special Issue

Recent Advances in Physicochemical Stability of Drugs

Message from the Guest Editor

Physicochemical stability studies are a key step in validating the quality, safety, and efficacy of medications, whether in the pharmaceutical laboratories or in hospitals (pharmaceutical preparations). The analyses used to verify the physicochemical stability of medications require the development and implementation of effective and appropriate techniques. In addition, certain active ingredients or excipients used in the formulation of medications may interact with packaging articles and/or medical administration devices. This Special Issue is, therefore, dedicated to the following topics: Physicochemical stability studies of drugs with an innovative aspect to its active ingredient, its formulation, or its galenic form; Content–container interaction studies (on methodological and practical aspects) and mechanistic studies; Innovative analytical techniques used to study physicochemical instabilities, as well as the interactions at the material–drug interface; Simulation models on the prediction of the physicochemical instability of an active ingredient or an excipient, and their interactions with biomaterials or materials for pharmaceutical use.

Guest Editor

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