

Special Issue

Pharmaceutical Excipients: Impact on Efficiency, Stability, and Solubility in Formulation

Message from the Guest Editors

Pharmaceutical excipients are substances, other than the active pharmaceutical ingredient (API), of invaluable importance for the final dosage forms. They facilitate the manufacture, stability, patient compliance, and administration of pharmaceutical formulations and also possess various functional roles that include modulating the solubility and bioavailability of APIs, delivering APIs, maintaining the osmolarity and pH of the liquid formulations, and preventing aggregation and dissociation. Nowadays, pharmaceutical excipients have gained the attention of researchers due to the growth of novel drug delivery systems that led to an increase in the number of the excipients, the development of new co-processed excipient mixtures, and also because of their potential to alter the pharmacokinetic profile of drugs. The quality, efficiency, safety, and stability of the finished pharmaceutical formulations highly depend on the choice of excipients, their concentration, and their interaction with APIs and with each other. This Special Issue aims to collect research dedicated to all aspects of the excipients in pharmaceutical and cosmetic formulations.

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