



Applications of Crystal Engineering in Drug Delivery

Guest Editor:

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Message from the Guest Editor

Manuscripts are invited for publication in a Special Issue of Pharmaceutics entitled "Applications of Crystal Engineering in Drug Delivery". This SI is focused on the use of crystal engineering methods to improve drug properties such as solubility and dissolution rate for optimum drug delivery. Crystal engineering is a broad area of research that included crystal habit modification, polymorphism, solid dispersions, and salt formation. All these pre-formulation and formulation techniques entail that the drug can be modified using methods such as solvent evaporation or dry methods such as mechanochemical activation.

Drug delivery applications include various routes, such as oral, pulmonary, ophthalmic, buccal, vaginal, transdermal, and parenteral drug delivery. Recent advances in this area of research have shown potential application of these techniques to use crystal engineering to achieve targeted drug delivery for novel molecules such as anticancer drugs, antimicrobials, and vaccines.





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Message from the Editor-in-Chief

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