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Drug Polymorphism and Dosage Form Design

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Message from the Guest Editors

Extensive academic and industrial research demonstrated that more than 50% of the currently used APIs shows multiple physical arrangement of the constituents in the crystal lattice. This polymorphism significantly influences a variety of drug properties, including dissolution rate, solubility, tabletability, flowability, stability and even bioavailability, efficacy and toxicity.

Original research articles and review articles dealing with all the aspects of drug polymorphism are considered. Particularly, the discovery of new crystal forms, methods for their preparation, influence of the polymorphism on the physicochemical properties, analytical methods for the study of crystal forms, API stability during processing and storage, biological effects of polymorphism, preformulation studies, design of dosage forms and regulatory implications are all included in this Special Issue.

- Amorphism
- Dissolution
- Polymorphism
- Dosage form
- Bioavailability
- Stability
- Mechanical properties
- Tabletability
- Flowability

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Message from the Editor-in-Chief

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