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Dissolution and Disintegration of Oral Solid Dosage Forms

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Deadline for manuscript submissions:
closed (10 March 2023)

Message from the Guest Editors

Dear Colleagues,

The disintegration and dissolution behaviour of solid oral dosage forms is an essential performance measure for all medicines. As available manufacturing methods for medicines diversify the level of control over intermediate (e.g. granules and spherical agglomerates) and final product microstructures is improving, and with it the ability to control disintegration and dissolution performance. There is increasing opportunity to design formulations and manufacturing methods to achieve desired release profiles, however the mechanisms behind dosage form disintegration and dissolution are complex and their link to raw material attributes, formulations, manufacturing and storage conditions are not fully understood. Contributions are invited which further the understanding, prediction and measurement of disintegration and dissolution of solid oral dosage forms. Of particular interest are studies which investigate the complex interactions of materials, formulations, manufacturing, storage and the disintegration and dissolution performance, and also those with proposed mechanistic models to explain and predict drug release phenomena.

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Message from the Editor-in-Chief

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