

Special Issue

Continuous Twin Screw Granulation

Message from the Guest Editors

Today, granulation is frequently applied to improve the flowability, homogeneity and/or compressibility of formulations prior to tableting or capsule filling. A wide variety of granulation techniques is available for this purpose. Driven by the advantages offered by continuous manufacturing, there is an increasing interest in continuous twin-screw granulation. As the residence time during continuous twin-screw granulation is of a different time-order than during batch-wise wet granulation, different formulation strategies are needed. Furthermore, integrating the unit operation of twin-screw granulation into a fully continuous tableting line requires advanced process control, the implementation of PAT and an understanding of the interaction between upstream and downstream unit operations. This Special Issue aims to bring state-of-the-art research-related continuous twin-screw granulation to the attention of a wide audience. We would be delighted to receive submissions of articles related to formulation and/or process development, PAT implementation and the modeling of twin-screw granulation.

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