

Special Issue

Model-Based Tools for Pharmaceutical Manufacturing Processes

Message from the Guest Editors

This Special Issue on “Model-Based Tools for Pharmaceutical Manufacturing Processes” intends to curate novel advances in the development and application of model-based tools to address ever-present challenges of the traditional pharmaceutical manufacturing practice. Topics include, but are not limited to:

- Development of new modeling concepts for pharmaceutical manufacturing at different levels of aggregation (phenomena, unit operation, plant-wide);
- Design and optimization of pharmaceutical processes based on the derived models;
- Process intensification, robustification, and flexibilization of multipurpose pharmaceutical manufacturing platforms;
- Hybrid modeling combining classical first-principles models with (big) data-driven concepts
- Process control, monitoring and fault detection in pharmaceutical industry

Guest Editors

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