

## Special Issue

# Advances in Analysis and Modeling of Solid Drug Product

### Message from the Guest Editors

In the last couple of years, there have been huge advances in experimental analysis and modeling of solid drug product manufacturing processes. High attention to digitalization has triggered research of real-time release testing and process control, leading to the new concept of Pharma 4.0. Significant improvement in computational power has also contributed to the progress of modeling studies. Moreover, pharmaceutical science and engineering have joined forces, leading to exciting breakthroughs in solid drug product manufacturing. Experts are developing and using Process Analytical Technology tools to bring new fundamental insights regarding the process while monitoring and improving production by use of advanced process control. The Special Issue aims to bring state-of-the-art research, critical reviews, and perspectives related to the current status and challenges in the analysis and modeling of solid drug product manufacturing processes. Research areas may include (but are not limited to) the following: design of experiments, data-driven modeling/analysis, mechanistic modeling, hybrid modeling, uncertainty analysis, and real-time monitoring/release testing.

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### Deadline for manuscript submissions

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