



Model-Based Tools for Pharmaceutical Manufacturing Processes

Guest Editors:

Prof. Dr. Krist V. Gernaey

Dr. René Schenkendorf

Dr. Dimitrios I. Gerogiorgis

Dr. Seyed Soheil Mansouri

Deadline for manuscript
submissions:

closed (30 September 2019)

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





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

Processes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/processes
processes@mdpi.com
[X@Processes_MDPI](https://twitter.com/Processes_MDPI)