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Nota di contenuto	About the Special Issue Editors -- Ren ´e Schenkendorf, Dimitrios I. Gerogiorgis, Seyed Soheil Mansouri and Krist V. Gernaey Model-Based Tools for Pharmaceutical Manufacturing Processes -- Robert T. Giessmann, Niels Krausch, Felix Kaspar, Mariano Nicolas Cruz Bournazou, Anke Wagner, Peter Neubauer and Matthias Gimpel Dynamic Modelling of Phosphorolytic Cleavage Catalyzed by Pyrimidine-Nucleoside Phosphorylase -- Andrew B. Cuthbertson, Alistair D. Rodman, Samir Diab and Dimitrios I. Gerogiorgis Dynamic Modelling and Optimisation of the Batch Enzymatic Synthesis of Amoxicillin -- Satyajeet Bhonsale, Carlos Andr´e Mu ˜noz L ´opez and Jan Van Impe Global Sensitivity Analysis of aSpray Drying Process -- Xiangzhong Xie and Ren ´e Schenkendorf Robust Process Design in Pharmaceutical Manufacturing under Batch-to-Batch Variation -- Christos Varsakelis, Sandrine Dessoy, Moritz von Stosch and Alexander Pysik Show Me the Money! Process Modeling in Pharma from the Investor's Point of View.
Sommario/riassunto	The Special Issue on "Model-Based Tools for Pharmaceutical Manufacturing Processes" will curate novel advances in the development and application of model-based tools to address ever-present challenges of the traditional pharmaceutical manufacturing practice as well as new trends. This book provides a collection of nine papers on original advances in the model-based process unit, system-level, quality-by-design under uncertainty, and decision-making applications of pharmaceutical manufacturing processes.

