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## Pharmaceutical industry 4.0: Future, Challenges & Application

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### Description:

This book provides deep insight into key technologies that will modernize pharmaceutical manufacturing and facilitate digital transformation. Throughout the book we discuss technologies, application and challenges for applying digital technology in pharmaceutical industry, including

- Focus on an overview of Industry 4.0 and its application in the pharmaceutical field
- The most recent advances in the pharmaceutical industry
- Understanding the concepts of emerging technology trends for drug discovery.

The pharmaceutical industry is on the cusp of a new age, with the need for personalized therapy, more complex production processes, smaller batch sizes and rising manufacturing costs. It is necessary to continuously adapt to the rapidly changing environment using novel technology and improved operational efficiency and flexibility. To achieve this, intelligent manufacturing seems to be a definite answer. Pharma 4.0 is a framework for adapting digital strategies to the unique contexts of pharmaceutical manufacturing.

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