1. Record Nr. UNINA9910298395603321

Titolo	3D Printing of Pharmaceuticals / / edited by Abdul W. Basit, Simon Gaisford
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-90755-7
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (246 pages)
Collana	AAPS Advances in the Pharmaceutical Sciences Series, , 2210-7371 ; ; 31
Disciplina	338.476151
Soggetti	Pharmaceutical technology Biomedical engineering Pharmaceutical Sciences/Technology Biomedical Engineering/Biotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Paradigm of personalised medicines -- Pharmaceutical ink-jet printing -- Fused-deposition modelling (FDM) 3D printing -- Stereolithographic (SLA) 3D printing -- Selective laser sintering (SLS) 3D printing -- Flexographic 3D printing -- Semi-solid extrusion 3D printing -- Ink-jet printing for personalised dosing -- Printing crystal forms -- Printing of nanoparticle/polymer conjugates -- 3D Printing organ vasculature -- 3D printed ears -- Visualisation of 3D printed compartmental DDSs -- 3D printed medicines - A regulatory perspective -- Spritam – a case study -- 4D printing -- 3DP – costs and manufacturing issues -- Other non-pharmaceutical 3DP areas.
Sommario/riassunto	3D printing is forecast to revolutionise the pharmaceutical sector, changing the face of medicine development, manufacture and use. Potential applications range from pre-clinical drug development and dosage form design through to the fabrication of functionalised implants and regenerative medicine. Within clinical pharmacy practice, printing technologies may finally lead to the concept of personalised medicines becoming a reality. This volume aims to be the definitive resource for anyone thinking of developing or using 3D printing technologies in the pharmaceutical sector, with a strong focus on the

translation of printing technologies to a clinical setting. This text brings together leading experts to provide extensive information on an array of 3D printing techniques, reviewing the current printing technologies in the pharmaceutical manufacturing supply chain, in particular, highlighting the state-of-the-art applications in medicine and discussing modern drug product manufacture from a regulatory perspective. This book is a highly valuable resource for a range of demographics, including academic researchers and the pharmaceutical industry, providing a comprehensive inventory detailing the current and future applications of 3D printing in pharmaceuticals. Professor Abdul Basit is a Professor of Pharmaceutics at the UCL School of Pharmacy, University College London. Abdul's research sits at the interface between pharmaceutical science and gastroenterology, forging links between basic science and clinical outcomes. His research has been translated into the design of new technologies and improved disease treatments, many of which have been commercialised. Abdul is also a serial entrepreneur and has filed multiple patents, is the recepient of several research awards and has founded 3 companies (Kuecept, Intract Pharma, FabRx). He further serves as a consultant to many pharmaceutical organisations and is on the advisory boards of scientific journals, healthcare and charitable bodies. Professor Simon Gaisford holds a Chair in Pharmaceutics and is Head of the Department of Pharmaceutics at the UCL School of Pharmacy, University College London. He has published 110 papers, 8 book chapters, 4 authored books and is the recipient of multiple research awards. His research is focused on novel technologies for manufacturing medicines, particularly using ink-jet printing and 3D printing, translating his expertise by co-founding FabRx. Simon is also an expert in the physicochemical characterisation of compounds and formulations with thermal methods and calorimetry.

2. Record Nr. UNINA9910483240603321

Autore	Ren Mu
Titolo	Beyond Rigidity : China's Non-intervention Policy in the Post-Cold War Period / / by Mu Ren
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Palgrave Macmillan, , 2021
ISBN	9789813346239 981334623X
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XX, 261 p.)
Disciplina	327.51
Soggetti	Asia - Politics and government Diplomacy International relations Asian Politics Foreign Policy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: Introduction -- Chapter 2: Interpreting (Non)-Intervention and Turning to the China's Case -- Chapter 3: Exploring China's Non-intervention Policy in the Post-Cold War Era -- Chapter 4: Authorizing Interventions: The Cases of the Gulf War, Afghanistan, and North Korea -- Chapter 5: Conceding Interventions: The Cases of Crimea, Libya, and Darfur -- Chapter 6: Opposing Interventions: The Cases of Kosovo, Syria, and Zimbabwe -- Chapter 7: Conclusion.
Sommario/riassunto	This book investigates China's foreign policy concerning the principle of non-intervention in domestic affairs of other states in the post-Cold War period. The principle of non-intervention has traditionally been central to Chinese foreign policy, but as China's economy has boomed, international attention to her foreign policy has been increasingly hostile. Accordingly, an exploration of China's non-intervention policy is worthwhile to understand China's foreign policy and its international behavior. This book will be of interest to China watchers, scholars of geopolitics, and Asian historians. Mu Ren is Assistant Professor of the School of International and Public Affairs and full-time researcher of

Institute of International Relations at Jilin University, China. She gives lectures on Theories of International Relations and Global Governance to undergraduate and masters. She received the PhD in International Relations from Ritsumeikan University of Japan. Her research field is broad, including IR theory, Sino-Japanese relations and global governance.