

1. Record Nr.	UNINA9910779566603321
Autore	Harkness Deborah <1965->
Titolo	The Jewel house : Elizabethan London and the scientific revolution // Deborah E. Harkness
Pubbl/distr/stampa	New Haven, Connecticut : , : Yale University Press, , [2007] ©2007
ISBN	1-4945-0598-3 1-299-46361-4 0-300-18575-8
Descrizione fisica	1 online resource (384 p.)
Classificazione	AK 17304
Disciplina	509.42109031
Soggetti	Science - England - London - History - 16th century Science, Renaissance Natural history - England - London - History - 16th century London (England) Intellectual life 16th century London (England) Social conditions 16th century London (England) Social life and customs 16th century
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (pages [299]-329) and index.
Nota di contenuto	Frontmatter -- CONTENTS -- ACKNOWLEDGMENTS -- CONVENTIONS -- A NOTE ABOUT "SCIENCE" -- PRELUDE -- 1. LIVING ON LIME STREET -- 2. THE CONTEST OVER MEDICAL AUTHORITY -- 3. EDUCATING ICARUS AND DISPLAYING DAEDALUS -- 4. "BIG SCIENCE" IN ELIZABETHAN LONDON -- 5. CLEMENT DRAPER'S PRISON NOTEBOOKS -- 6. FROM THE JEWEL HOUSE TO SALOMON'S HOUSE -- CODA -- NOTES -- BIBLIOGRAPHY -- INDEX
Sommario/riassunto	This book explores the streets, shops, back alleys, and gardens of Elizabethan London, where a boisterous and diverse group of men and women shared a keen interest in the study of nature. These assorted merchants, gardeners, barber-surgeons, midwives, instrument makers, mathematics teachers, engineers, alchemists, and other experimenters Deborah Harkness contends formed a patchwork scientific community whose practices set the stage for the Scientific Revolution. While Francis

Bacon has been widely regarded as the father of modern science, scores of his London contemporaries also deserve a share in this distinction. It was their collaborative, yet often contentious, ethos that helped to develop the ideals of modern scientific research. The book examines six particularly fascinating episodes of scientific inquiry and dispute in sixteenth-century London, bringing to life the individuals involved and the challenges they faced. These men and women experimented and invented, argued and competed, waged wars in the press, and struggled to understand the complexities of the natural world. Together their stories illuminate the blind alleys and surprising twists and turns taken as medieval philosophy gave way to the empirical, experimental culture that became a hallmark of the Scientific Revolution.

2. Record Nr.	UNINA9910736994803321
Autore	Lamprou Dimitrios
Titolo	3D & 4D Printing Methods for Pharmaceutical Manufacturing and Personalised Drug Delivery : Opportunities and Challenges // edited by Dimitrios Lamprou
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-34119-8
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (329 pages)
Collana	AAPS Introductions in the Pharmaceutical Sciences, , 2522-8358 ; ; 11
Disciplina	615.19
Soggetti	Pharmaceutical chemistry Drugs - Design Pharmacology Pharmaceutics Structure-Based Drug Design Tecnologia farmacèutica Impressió 3D Medicaments Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Nota di contenuto

3D and 4D printing in digital healthcare -- 3D Printing for Novel Dosage Form Design -- 3D Printing and regulatory considerations -- Printability of Pharmaceutical Polymers: Issues & Solutions -- Quality by Design (QbD) approach for individualized products based on additive manufacturing,- Material Properties and Selections for Additive Manufacturing (AM) -- Preformulation of 3D printable pharmaceutical dosage forms -- Vat photopolymerization Methods for Drug Delivery Applications -- Extrusion-based 3D printing methods for oral solid dosage forms -- Binder Jetting 3D Printing in Pharmaceutical Manufacturing -- Powder bed fusion 3D printing in drug delivery -- Bioprinting in Personalised Medications -- Shape memory materials and 4D printing in pharmaceuticals -- Characterisation methods of final printed products.

Sommario/riassunto

New materials and manufacturing techniques are emerging with potential to address the challenges associated with the manufacture of pharmaceutical systems that will teach new tricks to old drugs. 3D printing (3DP) is a technique that can be used for the manufacturing of dosage forms, and especially targeting paediatric and geriatric formulations, as it permits the fabrication of high degrees of complexity with great reproducibility, in a fast and cost-effective fashion, and offers a new paradigm for the direct manufacture of personalised dosage forms. The book is covering the basics behind each additive manufacturing (AM) method, current applications in pharmaceuticals for each 3DP method, and case studies (examples) from a teaching perspective, targeting undergraduate (UG) and postgraduate (PG) students. A unique feature of this book is the integration of studies based upon the use of different AM technologies, which are designed to reinforce important printing parameters and material considerations. The book includes case studies or multiple-choice questions (MCQs), which allow application of the content in a flipped-classroom.
