

1. Record Nr.	UNISALENT0991001044499707536
Autore	Ross, Janet
Titolo	La Puglia nell'800 : la terra di Manfredi / Janet Ross ; a cura di Vittorio Zacchino
Pubbl/distr/stampa	Lecce : L. Capone, 1978
Descrizione fisica	XIII, 312 p. : ill. ; 21 cm
Altri autori (Persone)	Zacchino, Vittorio
Disciplina	945.75
Soggetti	Puglia - Descrizioni e viaggi
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910800113003321
Autore	Portner Ralf
Titolo	Biopharmaceutical Manufacturing : Progress, Trends and Challenges / / edited by Ralf Pörtner
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	9783031456695 3031456696
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (497 pages)
Collana	Cell Engineering, , 2542-9515 ; ; 11
Disciplina	571.6
Soggetti	Cytology Biomedical engineering Biotechnology Biochemical engineering Pharmaceutical chemistry Vaccines - Biotechnology Biomaterials Cell Biology Biomedical Engineering and Bioengineering Bioprocess Engineering Pharmaceutics Biomaterials-Vaccines

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	<p>Part I: Manufacturing of Recombinant Therapeutic Proteins -- Chapter 1. Single-Use Systems in Biopharmaceutical Manufacture: State of the Art and Recent Trends (Jossen et al.) -- Chapter 2. Recent Developments in Bioprocess Monitoring Systems (Rahmatnejad et al.) -- Chapter 3. Advances in Characterization of Industrial Bioreactors for Cell Culture Process (Fitschen et al.) -- Chapter 4. Continuous Bioprocessing for Upstream Process - Perfusion Process (Chottea et al.) -- Chapter 5. Continuous Bioprocessing for Downstream (Gerstweiler) -- Chapter 6. Towards Digital Twin for Biopharmaceutical Processes: Concept and Progress (Ding et al.) -- Chapter 7. Integrated Process and Supply Chain Design and Optimization (Triantafyllou et al.) -- Chapter 8. Production of Complex Proteins in Plants – From Farming to Manufacturing (Nausch et al.) -- Chapter 9. Manufacturing of Recombinant Proteins Using Quality by Design (QbD) Methodology: Current Trend and Challenges (Shin and Landauer) -- Chapter 10. Biopharma 4.0 for Biologics Manufacturing Under Pandemic Constraints (Schmidt et al.) -- Chapter 11. Biopharma 4.0: Digital Technologies Driving Smart Manufacturing (Nargund et al.) -- Part II: Manufacturing Aspects of Cell and Gene Therapy -- Chapter 12. Essential Aspects of Mesenchymal Stem Cell Manufacturing (Fleischhammer et al.) -- Chapter 13. Towards a Continuous Production of Human Mesenchymal Stromal Cells in a Chemically Defined Medium: Opportunities and Challenges for a Robust and Scalable Expansion Process (Tasto and Salzig) -- Chapter 14. Biomanufacturing Aspects of Gene Therapy (Warnock) -- Chapter 15. Manufacturing and Quality of Advanced Therapeutics: Cellular Therapies, CAR-T and Gene Therapies (van den Bos et al.).</p>
Sommario/riassunto	<p>This volume "Cell Engineering 11 - Biopharmaceutical Manufacturing: Progress, Trends and Challenges" is a source of the latest innovative research and technical development in biomanufacturing systems. It is organised into 2 parts: 1) Manufacturing of recombinant therapeutic proteins (e.g. therapeutic antibodies, biosimilars/biogenerics) and 2) Manufacturing aspects of cell and gene therapy. Each with selected chapters on the following topics for both up- and downstream, such as: Advanced process strategies, especially continuous manufacturing, Advanced culture techniques, especially single-use systems, Process transfer, scale-up/scale-down models, Processing advances/Manufacturing productivity/efficiency, Model-assisted process understanding and development/Digital Twins, Process controls and analytics, Quality control, Quality by design, Facility design and full-scale commercial systems, manufacturing technology innovation. The book comprises contributions of experts from academia and industry active in the field of cell culture development for the production of recombinant proteins, cell therapy and gene therapy, with consideration of Digital Twin's and facility design. The knowledge and expertise of the authors cover disciplines like cell biology, engineering, biotechnology and biomedical sciences. Inevitably, some omissions will occur in the text, but the authors have sought to avoid duplications by extensive cross-referencing to chapters in other volumes of this series and elsewhere. We hope the volume provides a useful compendium of techniques for scientists in industrial and</p>

research laboratories active in this field.
