1. Record Nr. UNINA9910337925903321

Titolo	Pharmaceuticals from Microbes : The Bioengineering Perspective / / edited by Divya Arora, Chetan Sharma, Sundeep Jaglan, Eric Lichtfouse
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-01881-4
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (220 pages)
Collana	Environmental Chemistry for a Sustainable World, , 2213-7122 ; ; 26
Disciplina	615.101579 615.19
Soggetti	Environmental chemistry Pharmaceutical chemistry Industrial microbiology Nanotechnology Biomaterials Environmental health Environmental Chemistry Pharmaceutics Industrial Microbiology Environmental Health
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Advances in drug delivery strategies for microbial healthcare products -- 2. Live-attenuated bacterial vectors for delivery of mucosal vaccines, DNA vaccines and cancer immunotherapy -- 3. Poly lactide/poly lactide-co-glycolide based delivery system for bioactive compounds against microbes -- 4. Drug delivery systems based on pullulan polysaccharides and their derivatives -- 5. Microbial modifications of flavonols -- 6. Downstream processing for biopharmaceuticals recovery -- 7. Engineering Streptomyces peucetius for doxorubicin and daunorubicin biosynthesis.
Sommario/riassunto	This book has been assembled with the hope of being an authoritative, comprehensive, conceptually sound and highly informative compilation

of recent advances describing the concepts of bioengineering in the field of microbiology. It comprises of seven chapters written by eminent authors in their respective fields. Topics included deal with the significant advancement of microbial technology with emphasis on drug delivery strategies for healthcare products, vaccine delivery, biotransformation approaches to generate new molecules, upstream/downstream processing of biopharmaceuticals. It serves as excellent reference material for researchers, students and academicians in the fields of biotechnology, microbiology and pharmaceutical sciences. .