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Titolo	Smart Drug Delivery // edited by Usama Ahmad, Md Faheem Haider and Juber Akhtar
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Descrizione fisica	1 online resource (208 pages)
Disciplina	615.6
Soggetti	Pharmacology Drug delivery systems
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	1. Drug Delivery through Liposomes -- 2. Protein and Peptide Drug Delivery -- 3. Smart Drug-Delivery Systems in the Treatment of Rheumatoid Arthritis: Current, Future Perspectives -- 4. Phospholipid Based Nano Drug Delivery Systems of Phytoconstituents -- 5. Aliphatic Polyester Nanoparticles for Drug Delivery Systems -- 6. Strategies to Develop Cyclodextrin-Based Nanosponges for Smart Drug Delivery -- 7. Targeted Nano-Drug Delivery System to Colon Cancer -- 8. Artificial Intelligence in Healthcare: An Overview -- 9. Applications of Statistical Tools for Optimization and Development of Smart Drug Delivery System. 1. Introductory Chapter: Antimicrobial Peptides Prodigious Therapeutic Strategies -- 2. Anti-Microbial Peptides: The Importance of Structure-Function Analysis in the Design of New AMPs -- 3. Antimicrobial Peptides: Mechanism of Action -- 4. Antimicrobial Peptides Derived from Ascidians and Associated Cyanobacteria -- 5. Molecular Pathogenesis of Inflammatory Cytokines in Insulin Resistance Diabetes Mellitus -- 6. Mass Spectrometry (Imaging) for Detection and Identification of Cyclic AMPs: Focus on Human Neutrophil Peptides (HNPs) -- 7. Cloning and Identification System of Apis mellifera Melittin cDNA in Escherichia coli -- 8. Peptides with Therapeutic Potential against Acinetobacter baumannii Infections.
Sommario/riassunto	This book brings together recent developments in the field of drug delivery. Technological advancements in the field of pharmaceutical

sciences have revolutionized the patient care industry. The book serves to bridge the gap between the current research scenario and the technical knowledge provided at the pharmaceutical institutions to maximize the skills of individuals involved at any level in this domain. Chapters address topics related to the formulation and evaluation of drug delivery systems, various targeting approaches and novel tools, and design and statistical techniques employed to develop robust and effective dosage forms.

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