1. Record Nr. UNINA9910792303403321

Titolo	Colloids in drug delivery / / editor, Monzer Fanun
Pubbl/distr/stampa	Boca Raton : , : Taylor & Francis, , 2010
ISBN	0-429-10364-6 1-4398-1826-6
Descrizione fisica	1 online resource (654 p.)
Collana	Surfactant science series ; ; 148
Altri autori (Persone)	FanunMonzer
Disciplina	615.19
Soggetti	Colloids Colloids in medicine Drug delivery systems
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 and index.
Nota di contenuto	Front cover; Contents; Preface; Editor; Contributors; Chapter 1. Surfactants and Block Copolymers in Drug Delivery; Chapter 2. Application of Colloidal Properties in Drug Delivery; Chapter 3. Polymeric Nanocapsules for Drug Delivery; Chapter 4. Poly(Alkyl Cyanoacrylate) Nanoparticles for Drug Delivery and Vaccine Development; Chapter 5. Stimuli-Sensitive Polymer Gels for Dermal and Transdermal Drug Delivery and Their Application in the Development of Smart Textile Materials; Chapter 6. Micelles; Chapter 7. Multiple Emulsions Chapter 8. Pharmaceutical and Biotechnological Applications of Multiple EmulsionsChapter 9. Nanoemulsions as Drug Delivery Systems; Chapter 10. Microemulsion Systems; Chapter 11. Diclofenac Solubilization in Mixed Nonionic Surfactants Microemulsions; Chapter 12. Self-Emulsifying Drug Delivery Systems; Chapter 13. Liquid Crystals and Their Application in the Field of Drug Delivery; Chapter 14. Liquid Crystalline Nanoparticles as Drug Nanocarriers; Chapter 15. Niosomal Delivery Systemf or Macromolecular Drugs; Chapter 16. A New Class of Mesoscopic Aggregates as a Novel Drug Delivery System Chapter 17. Liposomes and BiomacromoleculesChapter 18. Colloidal Nanocarrier Systems as a Tool for Improving Antimycobacterial and Antitumor Activities and Reducing the Toxicityof Usnic Acid; Chapter

19. Dendrimers in Drug Delivery; Chapter 20. Microsphere; Chapter 21. Colloids in Aerosol Drug Delivery Systems; Chapter 22. Respiratory Aerosol Dynamics with Applications to Pharmaceutical Drug Delivery; Chapter 23. Colloidal Carriers for Drug Delivery in Dental Tissue Engineering; Chapter 24. Classifi cation and Application of Colloidal Drug Delivery Systems
Chapter 25. Nanocarriers for Imaging ApplicationsIndex; Back cover

Sommario/riassunto

Colloidal drug delivery systems present a range of therapeutic benefits in the treatment of a number of challenging conditions, allowing researchers to cross barriers that have previously prevented efficient treatment while offering improved and more targeted absorption. Summarizing recent research in the field, Colloids in Drug Delivery assembles the work of 65 of the world's leading colloid scientists who examine the full spectrum of this rapidly emerging science, from pure to applied, most of it drawn from their own experience and research. The book begins b