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Nota di contenuto	Chapter 1. Basic concepts in drug targeting / Kalyan Kumar Sen, Sabyasachi Maiti -- Chapter 2. Biological targets : identification, selection and validation / Rana Datta, Sugata Banerjee -- Chapter 3. Emerging therapeutic targets for diabetes / Sudipta Saha, Amit K. Keshari, Ashok K. Singh, Priya Singh Kushwaha, Siddhartha Maity -- Chapter 4. Prodrug strategy : an effective tool in drug delivery and targeting / Buddhadev Layek, Shubhajit Paul, Jagdish Singh -- Chapter 5. Drug-targeting strategies to CNS disorders / Somasree Ray -- Chapter 6. Natural polymers in colon targeting : approaches and future perspectives / Sougata Jana, Arijit Gandhi, Subrata Jana -- Chapter 7. Lymphatic drug targeting / Raghavendra V. Kulkarni, Biswanath Sa -- Chapter 8. New drug targets and drug delivery strategies for various ocular disorders / Subramanian Natesan, Venkateshwaran Krishnaswami, Saranya Radhakrishnan, Vaishnavi Suresh Kumar, Nirmal Sonali, Jayabalan Nirmal, Shovanlal Gayen -- Chapter 9. Bone-target drug delivery systems / Amit Kumar Nayak, Kalyan Kumar Sen -- Chapter 10. Targeted drug delivery in solid tumours : an overview and novel approaches for therapy / Mintu Pal, Lay Poh Tan -- Chapter 11. Mitochondria as an emerging target for the delivery of small therapeutic molecules / Avik Das, Sabyasachi Maiti, Kalyan Kumar Sen

-- Chapter 12. Antisense oligonucleotide-mediated target specific gene silencing : design, delivery strategies and therapeutic applications / Biswajit Mukherjee, Samrat Chakraborty, Laboni Mondal, Ankan Choudhury, Bhabani Sankar Satapathy, Sanchari Bhattacharya -- Chapter 13. Biodegradable polymeric carriers for delivery of SIMA / Sanika A. Rege, Sudip K. Das, Nandita G. Das -- Chapter 14. Organic-inorganic nanocomposites for biomedical applications / Subham Banerjee, Animesh Ghosh -- Chapter 15. Carbon nanotube induced targeted drug delivery / Anish Bhattacharya and Amit K. Chakraborty -- Chapter 16. Functionalized cyclodextrin : a versatile supramolecular systems for drug delivery / Subrata Jana, Sougata Jana -- Chapter 17. Nanopolymer scaffolds as novel carriers for cells and drugs / Aum Solanki, Bhargav Hirapara, Emily Johnson, Yashwant Pathak -- Chapter 18. Bio-targets for polyionic glucan derivatives and their nano-therapeutic systems / Manabendra Dhua, Kalyan Kumar Sen, Sabyasachi Maiti -- Chapter 19. Novel carriers for targeted delivery of herbal medicines / Sankhadip Bose -- Chapter 20. Toxicological concerns related to nanoscale drug delivery systems / Sabyasachi Maiti, Sanmoy Karmakar, Kumar Anand.

Sommario/riassunto

The advances in drug delivery systems over recent years have resulted in a large number of novel delivery systems with the potential to revolutionize the treatment and prevention of diseases. Bio-Targets and Drug Delivery Approaches is an easy-to-read book for students, researchers and pharmaceutical scientists providing a comprehensive introduction to the principles of advanced drug delivery and targeting their current applications and potential future developments.
