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Titolo	Nanoformulations in Human Health : Challenges and Approaches // edited by Sushama Talegaonkar, Mahendra Rai
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Descrizione fisica	1 online resource (XVIII, 548 p. 106 illus., 91 illus. in color.)
Disciplina	615.6
Soggetti	Pharmacology Pharmacotherapy Pharmacology/Toxicology Nanotecnologia Farmacologia Salut Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Nano-technological Platforms and Manipulations for the Emerging Ocular Manifestations -- Phytonanomedicines as Topical Alternatives for the Treatment of Skin Cancer -- Nano-sized Labile and Particulate Ingredients in Topical Formulations: A Strategic Approach Against Photoageing and Photocarcinogenesis -- Application of Biocompatible Nanocarriers in Glaucoma: Challenges and Advances -- Nano-carriers for Natural Therapeutics in the Management of Neuropathic Pain -- Advances in the Delivery of Therapeutic Peptides -- Nanoformulations and Their Role in Colon Targeting -- Theranostic Nanoformulations: Merging Diagnostics and Therapeutics -- The Role of Nanoformulations in Nose-To-Brain Drug Delivery -- Cubic Lyotropic Liquid Crystalline Nanostructures: A Versatile Platform for Delivery -- Preformulation Challenges: The Concept Behind the Selection, Design, and Preparation of Nanoformulations -- Nanoethosomes for Topical Fungal Therapeutics -- Comparison of Therapeutic Efficiency of Nanoformulations of Curcumin vs. Tetrahydrocurcumin in Various

Disorders -- Nanomedicinal Approaches of Phytotherapeutics to Treat Alzheimers Disease -- Nanoparticulate Approaches to Exploit the Pathophysiology of Rheumatoid and Osteoarthritis -- Emerging Nanotechnology in Chronic Respiratory Diseases -- Conventional and Non-conventional Approaches of Site-specific Targeting of Therapeutics in Some Infectious Diseases and Metabolic Disorders -- Nanoformulations in Human Health Conditions: The Paradigm Shift -- Magnetic Nanoparticles Nanoformulation for Alternative Therapy of Cancer by Super-paramagnetic Hyperthermia -- Nano-weapons Against Tuberculosis -- Drug-Excipient Interactions in Nanoformulations with Special Focus on Impurity Control per ICH guidelines.

Sommario/riassunto

This book is an amalgamation of knowledge, experience, and expertise in various aspects of nanotechnology, by experts who are proficient in designing novel nanoformulations that are used in the treatment of various challenging and prevalent diseases. It is an exhaustive compilation of the multi-faceted arena of nanoformulations and the healthcare system that caters to the needs of academicians, scholars, researchers, etc. The most important aspect of the book covers various types of nanoformulations and their applications in the treatment of communicable and non-communicable diseases. Each chapter focuses on a particular nanoformulation as well as a disease including the pathophysiology of the disease, the current treatment modalities of diseases, the role of nanoformulation in treatment and other future aspects and directions for further work. Coverage includes neuropathic pain, colon targeting, nose-to-brain drug delivery, cancer, arthritis and tuberculosis.
