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Titolo	Excipient Applications in Formulation Design and Drug Delivery // edited by Ajit S Narang, Sai H S. Boddu
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Descrizione fisica	1 online resource (700 p.)
Disciplina	615.19003 610
Soggetti	Pharmaceutical technology Pharmaceutical Sciences/Technology
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Forward -- Excipient Applications in Formulation Design and Drug Delivery: An Introduction -- Drug Excipient Interactions -- Reactive Impurities in Excipients -- Reactive Impurities in PEG: A Case Study -- Impact of Excipient Interactions on Solid Dosage Form Stability -- Protein – Surfactant Interactions at the Air-Water Interface -- Smart Polymers in Drug Delivery -- Tailoring the Oral Release of Drugs Using Polymeric Excipients -- Solid lipid excipients as matrix agents for sustained drug delivery -- Impact of Excipient Interactions on Drug Bioavailability from Solid Dosage Forms -- Biopolymers in Medical Implants -- Selection of Excipients Based on the Biopharmaceutics Classification System of Drugs -- Excipient Selection in Oral Solid Dosage Formulations Containing Moisture Sensitive Drugs -- Silicone excipients in pharmaceutical drug delivery applications -- Excipients that Facilitate Amorphous Drug Stabilization -- Excipients in Pediatric Formulations: Biopharmaceutical and Toxicological Considerations -- Role of Innovator Product Characterization in Generic Product Development -- Addressing Excipient Variability in Formulation Design and Drug Development -- Improved Polymer Functionality by Cross-linking with Glutaraldehyde to Achieve Controlled Drug Release -- Excipient Design by Co-processing for Direct Compression Applications

-- Excipients and Non-medicinal Agents as Active Pharmaceutical Ingredients -- Drug Delivery Applications of Chitosan and its Derivatives.

Sommario/riassunto

In recent years, emerging trends in the design and development of drug products have indicated ever greater need for integrated characterization of excipients and in-depth understanding of their roles in drug delivery applications. This book presents a concise summary of relevant scientific and mechanistic information that can aid the use of excipients in formulation design and drug delivery applications. Each chapter is contributed by chosen experts in their respective fields, which affords truly in-depth perspective into a spectrum of excipient-focused topics. This book captures current subjects of interest – with the most up to date research updates – in the field of pharmaceutical excipients. This includes areas of interest to the biopharmaceutical industry users, students, educators, excipient manufacturers, and regulatory bodies alike.

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