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Reconstruction; Chapter 18 - Polymeric Interactions with Drugs and Excipients; Chapter 19 - Manufacturing Multifunctional Scaffolds for Tissue Engineering; Chapter 20 - Virus-Based Nanoparticles as Drug Delivery Systems; Chapter 21 - Polymeric Biomaterials in Pulmonary Drug Delivery; Chapter 22 - Polymeric Gene Delivery Carriers for Pulmonary Diseases; Chapter 23 - Biomedical Application of Membranes in Bioartificial Organs and Tissue Engineering
Chapter 24 - Controlled Release Systems for Bone Regeneration
Chapter 25 - Controlled Release Systems Targeting Angiogenesis; Chapter 26 - Bioceramics for Development of Bioartificial Liver; Chapter 27 - Materials Biofunctionalization for Tissue Regeneration; Chapter 28 - Polymers-Based Devices for Dermal and Transdermal Delivery; Back Cover

Sommario/riassunto

Biomaterials have had a major impact on the practice of contemporary medicine and patient care. Growing into a major interdisciplinary effort involving chemists, biologists, engineers, and physicians, biomaterials development has enabled the creation of high-quality devices, implants, and drug carriers with greater biocompatibility and biofunctionality. The fast-paced research and increasing interest in finding new and improved biocompatible or biodegradable polymers has provided a wealth of new information, transforming this edition of *Polymeric Biomaterials* into a two-volume set. This volume
