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Nota di contenuto	-- Chapter 1: Foundations of Biomaterials: Types, Evolution, and Medical Applications -- Chapter 2: Synthesis and Comprehensive Characterization of Neurocompatible Biomaterials -- Chapter 3: Neuro-Compatible Biomaterials: Pioneering Solutions for Brain and Nerve Disorders -- Chapter 4: Advanced Biomaterials in Neuroprotection: Innovations and Clinical Applications -- Chapter 5: Biomaterials for Neuroregeneration: Mechanisms and Therapeutic Applications -- Chapter 6: Approaches in Neuro-Compatible Biomaterial Designing for Neural Repair and Drug Delivery -- Chapter 7: Advancements in Biomaterials for Neuronal Tissue Regeneration: Applications and Future Prospects -- Chapter 8: Biomaterials in Cerebral Stroke Diagnosis and Therapeutics -- Chapter 9: Biomaterials

in Clinical Trials & Clinical Applications -- Chapter 10: Intellectual Property Rights in Neuroprotective Biomaterials.

Sommario/riassunto

The book covers the fundamental aspects of biomaterials, including their introduction, types, synthesis, and characterization. It delves into the field of neuro-compatible biomaterials, examining nervous tissue response and the role of biomaterials in neuroprotection. It discusses clinical trials and applications along with intellectual property rights in neuroprotective biomaterials. The book also explores the innovative neuro-targeted drug delivery system and its potential in improving treatment outcomes. Lastly, it explores biomaterials' impact on neurodegeneration and neuro diagnosis, providing valuable insights for researchers, academicians and doctoral students working in the field of Neuroscience, Neuroprotection, Biomaterial based Neurotherapeutics, Biomaterial based Neuro diagnosis and Biomaterial mediated drug delivery.
