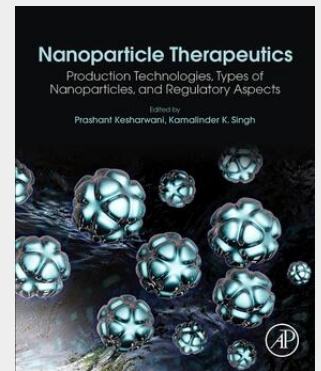


Kesharwani / Singh

Nanoparticle Therapeutics

Production Technologies, Types of Nanoparticles, and Regulatory Aspects

Nanoparticle therapeutics: Production Technologies, Types of Nanoparticles, and Regulatory Aspects employs unique principles for applications in cell-based therapeutics, diagnostics and mechanistics for the study of organ physiology, disease etiology and drug screening of advanced nanoparticles and nanomaterials. The book focuses on the extrapolation of bioengineering tools in the domain of nanotechnology and nanoparticles therapeutics, fabrication, characterization and drug delivery aspects. It acquaints scientists and researchers on the experiential and experimental aspects of nanoparticles and nanotechnology to equip their rational application in various fields, especially in differential diagnoses and in the treatment of diverse diseased states. This complete resource provides a holistic understanding of the principle behind formation, characterization, applications, regulations and toxicity of nanoparticles employing myriad principles of nanotechnology. Investigators, pharmaceutical researchers, and advanced students working on technology advancement in the areas of designing targeted therapies, nanoscale imaging systems and diagnostic modalities in human diseases where nanoparticles can be used as a critical tool for technology advancement in drug delivery systems will find this book useful.



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