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Nanoparticle Toxicity and Compatibility

Ed. Jorddy N. Cruz

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The book focuses on the interplay between nanoparticles and biological systems.

Keyword: Tissue Engineering, Cardiovascular Toxicity, Drug Delivery Systems, Plasmon-Enhanced Biosensing, Biocompatibility of Nanoparticles, Ecotoxicology of Nanoparticles, Bioinspired Nanosynthesis, Hepatotoxicity, Nano Drug Delivery, Nanofabrication, Nanorobots, Plasmonics, Probiotics, Protein

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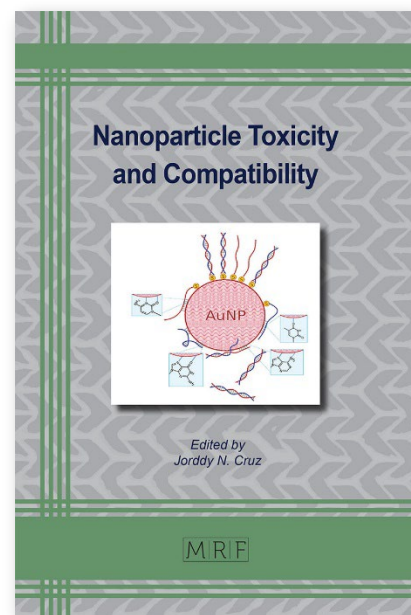
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Summary:

The book focuses on the interplay between nanoparticles and biological systems. Topics covered include the synthesis, characterization, and application of nanomaterials in tissue engineering; the interaction of nanoparticles with macromolecules; biomedical and food science applications; the cardiovascular toxicity of nanoparticles; colon targeted nano drug delivery systems; the biocompatibility and immunogenicity of nanoparticles; plasmon-enhanced biosensing applications; strategies for enhancing the biocompatibility of nanoparticles; the environmental impact of nanoparticles; as well as the intricate dynamics between nanoparticles and living organisms.



Full Color Print Book Information

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