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Titolo	Integrative Nanomedicine for New Therapies // edited by Anand Krishnan, Anil Chuturgoon
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ISBN	3-030-36260-4
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (X, 435 p. 110 illus., 55 illus. in color.)
Collana	Engineering Materials, , 1612-1317
Disciplina	610.28
Soggetti	Nanotechnology Biomedical engineering Biomaterials Regenerative medicine Tissue engineering Biomedical Engineering and Bioengineering Regenerative Medicine/Tissue Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Green derived nanomaterials for biological applications -- Synthetic and nature-derived lipid nanoparticles and polymer nanoparticles -- Nano-delivery systems development using Phyto bioactive compounds -- Nanoparticles, clinical and nutraceutical applications -- Natural-derived nano vesicles and antibodies for therapeutic applications -- Computational nanomedicine and nanotechnology -- Methodologies and techniques -- Hazards and risk assessment applicable to occupational and health, nanomedicine, the environment, and life sciences -- Hazards of nanomaterials to the dermal, respiratory, immune, cardiovascular, neuro, and reproductive systems -- Interspecies comparisons and genotoxicity issues -- Cell-based targeting and biomedical applications and nanofabrication for medical devices -- Nanosensor application in the biomedical field.
Sommario/riassunto	This book presents current laboratory, scientific and clinical aspects of nanomaterials used for medical applications in the fields of regenerative medicine, dentistry and pharmacy. It gives a broad

overview of the in vitro compatibility assessment of nanostructured materials implemented in the medical field by the combination of classical biological protocols. The chapters cover all aspects of integrative medicine, such as green derived nanomaterials for biological applications; synthetic and nature-derived lipid nanoparticles and polymer nanoparticles.
