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Titolo	Bio-nanotechnology [[electronic resource]] : a revolution in food, biomedical and health sciences / / edited by Debasis Bagchi ... [et al.] ; [foreword by Harry Kroto]
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Collana	Hui: Food Science and Technology Functional food science and technology series
Altri autori (Persone)	BagchiDebasis <1954->
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Introduction -- pt. 2. Nanotechnology in nutrition and science -- pt. 3. Nanotechnology, human health and applications -- pt. 4. Nanotechnology and other versatile diverse applications -- pt. 5. Nanomaterial manufacturing -- pt. 6. Applications of microscopy and nuclear magnetic resonance in nanotechnology -- pt. 7. Applications in enhancing bioavailability and controlling pathogens -- pt. 8. Safety, toxicology and regulatory aspects -- pt. 9. Future directions in bio-nanotechnology.
Sommario/riassunto	Bio-nanotechnology is the key functional technology of the 21st century. It is a fusion of biology and nanotechnology based on the principles and chemical pathways of living organisms, and refers to the functional applications of biomolecules in nanotechnology. It encompasses the study, creation, and illumination of the connections between structural molecular biology, nutrition and nanotechnology, since the development of techniques of nanotechnology might be

guided by studying the structure and function of the natural nano-
molecules found in living cells. Biology offers a window into the
