

1. Record Nr.	UNISA996209586403316
Titolo	Behavioral & social sciences librarian
Pubbl/distr/stampa	[New York], : Haworth Press
ISSN	1544-4546
Descrizione fisica	1 online resource (volumes)
Disciplina	026
Soggetti	Social science libraries Social sciences Psychology Behavioral Sciences Library Science Social Sciences Periodical Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed

2. Record Nr.	UNINA9910770259703321
Titolo	Biological Applications of Nanoparticles // edited by Biplab Sarkar, Avinash Sonawane
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	9789819936298 9819936292
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (XXIX, 261 p. 1 illus.)
Disciplina	620.5 660.6
Soggetti	Nanobiotechnology Nanomedicine Nanotechnology Food science Nanomedicine and Nanotoxicology Computational Nanotechnology Food Nanotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1_Fundamentals and Analytical Techniques for Biological Applications of Nanomaterials -- Chapter 2_Emerging applications of nanotechnology in human welfare with special reference to biomedical issues -- Chapter 3_Nanotechnology in healthcare -- Chapter 4_Nanotechnology on disease therapy and diagnostics -- Chapter 5_Nanovaccines -- Chapter 6_Role of biogenic inorganic nanomaterials as drug delivery systems -- Chapter 7_Nano-Electronics on medical applications -- Chapter 8_Nanotechnology in agricultural applications -- Chapter 9_Nanotechnology application in plant and agriculture Biotechnology -- Chapter 10_MOF: A new age smart material as nanocarriers for fertilizer and pesticides -- Chapter 11_Unravelling Algal Nanobionics for the Sustainable Production of Bioactive Compounds -- Chapter 12_Nanotoxicological issues in agriculture and related regulatory framework. --Chapter 13_Nanotechnology application on veterinary science -- Chapter 14_Nanotechnology application on

fishery -- Chapter 15\_Nanotechnology in food preservation -- Chapter 16\_Nanotechnology in Environmental application -- Chapter 17\_Nanotechnology application on aquatic environmental management -- Chapter 18\_Nanobiosensor on environmental application -- Chapter 19\_DNA and protein nanotechnology -- Chapter 20\_Nanotechnology and Bioinformatics -- Chapter 21\_Intellectual property management in nano-biology research -- Chapter 22\_Current status and future perspectives of nano-biobusiness.

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### Sommario/riassunto

This textbook for graduate and postgraduate students provides comprehensive applications of nanoparticles in medicine, agriculture, and environmental sciences. The initial chapter covers basic topics related to types, synthesis, structure, and properties of various nanoparticles. It further discusses the wide range of applications of nanoparticles in medicine, agriculture, and the environment. The book presents nano-electronic biosensors that are used to diagnose and monitor the progression of human diseases. It summarizes the opportunities and challenges of nanotechnology in the agriculture and food sector highlighting the scientific, technical, regulatory, safety, and societal impacts. Additionally, it illustrates the applications of nanotechnology in the field of aquaculture medicine, bioinformatics and food technology. The textbook examines the development and administration of nano-medicines, their applications, advantages, and limitations for the treatment and prophylaxis of a broad range of diseases. Lastly, the textbook explores the recent advances in the field of nanobusiness and nanotechnology issues in intellectual property management( IPR).

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