

1. Record Nr.	UNINA9911021151003321
Autore	Joshi Nirav J
Titolo	Nanoparticle Delivery in Cancer Care / / edited by Nirav J. Joshi, Gautam Patel
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9504-57-0
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (528 pages)
Collana	Series in BioEngineering, , 2196-887X
Altri autori (Persone)	PatelGautam
Disciplina	530.41 620.115
Soggetti	Nanoscience Cancer Nanomedicine Nanoparticles Nanotechnology Nanophysics Cancer Nanotechnology Nanomedicine and Nanotoxicology Nanoengineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction to Nanoparticle Delivery in Cancer Therapy -- Understanding Cancer Biology and Microenvironment -- Design and Characterization of Nanoparticle Delivery Systems -- Targeting Strategies in Nanoparticle Drug Delivery -- Nanocarriers for Chemotherapy and Drug Delivery -- Immunotherapy Advancements using Nanoparticles -- Nanotechnology for RNA and DNA Delivery in Cancer Therapeutics.
Sommario/riassunto	This book delves into the forefront of cancer treatment, exploring the revolutionary potential of nanoparticle-based drug delivery systems. Authored by leading experts, it provides a comprehensive examination of the latest advancements in nanotechnology and their role in transforming cancer therapy. Covering a broad spectrum of topics—including targeted drug delivery, advanced imaging techniques, and

personalized medicine—it presents cutting-edge research and innovations that enhance therapeutic precision, reduce side effects, and improve clinical outcomes. With a focus on transformative technologies, this book is an essential resource for researchers, clinicians, and healthcare professionals aiming to understand and harness the power of nanotechnology in reshaping cancer care, paving the way for more effective and personalized treatment approaches.
