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Titolo	Ecofriendly and Multifunctional Nanoparticles : Synthesis from Seaweeds, Seagrasses, Mangroves, and Other Coastal Plants // by Prasastha Ram Vemula, Ramesh Chatragadda
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Altri autori (Persone)	ChatragaddaRamesh
Disciplina	530.41 620.115
Soggetti	Nanoscience Nanochemistry Nanotechnology Nanobiotechnology Environmental engineering Biotechnology Bioremediation Nanophysics Nanoengineering Environmental Engineering/Biotechnology
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Literature Source and Search Strategy -- Advantages of nanoparticles derived from marine flora -- Reducing and capping agents in marine flora -- Morphology and identification of nanoparticles -- Factors affecting the synthesis of nanoparticles -- Mechanism of nanoparticle synthesis from marine flora -- Applications of marine floraderived nanoparticles (MFNPs) -- Enhancing biological properties of nanoparticles by Conjugation.
Sommario/riassunto	This book highlights a comprehensive analysis of marine flora-derived nanoparticles (MFNPs), encompassing synthesis, characterization, physiological properties, and regulatory factors. It delves into the benefits of conjugation, mechanisms of action, and limitations,

highlighting the challenges and opportunities in the field. The book identifies research gaps and outlines future directions, providing valuable insights for researchers and professionals working with MFNPs. The book covers a range of marine flora, including seaweeds, seagrasses, mangroves, and other coastal plants. By shedding light on the potential applications of MFNPs, this book serves as a valuable resource for those in the field. It fosters further research and innovation, ultimately contributing to the advancement of MFNP-based technologies and their applications in various industries.
