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Descrizione fisica	1 online resource (133 pages) : illustrations
Disciplina	620.5
Soggetti	Nanoscale science Nanoscience Nanostructures Nanochemistry Nanotechnology Environmental monitoring Nanoscale Science and Technology Nanotechnology and Microengineering Monitoring/Environmental Analysis
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	1. Characterization of Enzyme Immobilization on Novel Supports - Multiwalled Carbon Nanotube and Alginate -- 2. Graphene Synthesis and Antibody Immobilization Techniques for Immunosensors -- 3. Nanomaterial for Biosensors -- 4. Bionanomaterial Thin Film for Piezoelectric Applications -- 5. Experimental Methods for the Phytochemical Production of Nanoparticles -- 6. Isolation of Nanocellulose Fibers (NCF) from Cocoa Pod (<i>Theobroma Cacao L.</i>) via Chemical Treatment Combined with Ultrasonication -- 7. Characterizations of Polylactic Acid/Organoclay Nanocomposites -- 8. Embedding Nano-Adsorbents within Gross Pollutant Traps (GPTs): A Review.
Sommario/riassunto	This book highlights current trends and research advances in nanotechnology and its applications. It discusses the synthesis and

characterization of nanomaterials / nanocomposites for novel applications in environmental monitoring and sustainability, and presents new findings on wastewater treatment technologies using nanofiltration membranes.
