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Nota di contenuto	1. An Introduction to Nanomaterials -- 2. Nano-Food Technology and Nutrition -- 3. Nanoparticles For Heavy Metal Removal From Drinking Water -- 4. Nanobiosensors For Detection of Micropollutants -- 5. Nanotechnology Prospects and Constraints in Agriculture -- 6. Surface Modification of Advanced and Polymer Nanocomposites -- 7. Photovoltaics and Nanotechnology as Alternative Energy -- 8. Nanomedical Applications of Nanoparticles for Blood Coagulation Disorders -- 9. Cyclodextrin Nanosponges in Drug Delivery and Nanotherapeutics -- 10. Gold Nanoparticles for Tissue Engineering.
Sommario/riassunto	This book presents the environmental benefits of nanomaterials in agriculture, water purification and nanomedicine. Nanotechnology will modify the environment both in a positive and negative way. On the one hand, new nanomaterials are promising for reducing greenhouse gases, cleaning toxic wastes and building alternative energy sources. On the other hand, some toxic nanoparticles enter and disrupt ecosystems. Therefore, research should focus on the sustainable use of nanomaterials to avoid environmental contamination. This volume is the first of several volumes on Environmental Nanotechnology, which

will be published in the series Environmental Chemistry for a Sustainable World.
