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Nota di contenuto	1. Introductory Chapter: Biodegradation - New Insights -- 2. The Strategy and Future of Biotechnology in Protecting the Global Environment -- 3. Soil Treatment Technologies through Bioremediation -- 4. Standard Analytical Techniques and de novo Proposals for Successful Soil Biodegradation Process Proposals -- 5. Biotransformation of Metal-Rich Effluents and Potential Recycle Applications -- 6. Analysis of the Oxidation-Reduction Potential and Bacterial Population of Acidithiobacillus ferrooxidans during the Bioleaching Study of Sulfide Ores -- 7. Role of Various Physicochemical Factors in Enhancing Microbial Potential for Bioremediation of Synthetic Dyes -- 8. Aromatic Plants: Alternatives for Management of Crop Pathogens and Ideal Candidates for Phytoremediation of Contaminated Land -- 9. A Review on Vegetable Oil Refining: Process, Advances and Value Addition to Refining by-Products. --.
Sommario/riassunto	The global environment has been rapidly deteriorating because of global warming, and a large population is facing severe water and food shortages. In addition to global warming, soil and groundwater contamination by heavy metals such as lead, arsenic, and chromium due to industrial development and excessive use of pesticides is also rapidly increasing. Remediation is necessary for replenishing drinking water and food, and remediation using microorganisms (bioremediation) and plants (phytoremediation) is one of the most feasible and economical methods. This book deals with strategies for

efficient bioremediation and phytoremediation procedures. The authors discuss effective remediation technology, thus providing important information and new ideas for fighting the deterioration of our global environment.
