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Nota di contenuto	Introduction to Organic Contaminants in Soil – Concepts and Risks -- Analysis of Emerging Contaminants in Sewage Sludge -- Fate of Emerging Contaminants During Aerobic and Anaerobic Sludge Treatment -- Biodegradation of Emerging Organic Contaminants by Composting -- Fungal-Mediated Degradation of Emerging Pollutants in Sewage Sludge -- Biodegradation of Pharmaceuticals by Fungi and Metabolites Identification -- UV Filters Biodegradation by Fungi, Metabolites Identification and Hormonal Activity Assessment -- Biodegradation of Technical Products of Brominated Flame Retardant by Fungi -- Conclusions and Future Trends.
Sommario/riassunto	There are a growing number of new chemicals in the environment that represent an ascertained or potential risk. Many of them can be found in sewage sludge and are the subject of this volume. Experts in the field highlight their occurrence and fate, risks of biosolid use, advanced chemical analysis methods, and degradation techniques with a special

focus on biodegradation using fungi. In the final chapter conclusions and trends are offered as a point of departure for future studies. The double-disciplinary approach combining environmental analysis and engineering makes the book a valuable and comprehensive source of information for a broad audience, such as environmental chemists and engineers, biotechnologists, ecotoxicologists and professionals responsible for waste and water management. .