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Nota di contenuto	Microplastics Pollution: Global Challenge and Future Potential Solution -- Sources, types, and occurrences of microplastics in soil, water and air -- Global Risks of Microplastics to Ecosystem and Human Health: An emerging environmental disaster -- The environmental fate of microplastics -- Microplastics interactions with PFAS and co-transport in the soil -- Personal protective equipment associated with COVID-19 pandemic and microplastics -- Microplastics and marine ecosystem -- Microplastics and food safety -- Exploring the Core Aspects of Microplastic Pollution: Origin, Distribution, Imprint, Detection and Policy Solutions -- Advancements and Detection Methodologies for

	Microplastic Detection in Environmental Samples -- Advancements in Microplastic Removal Techniques and Sustainable Solutions for Plastic Reduction -- An Advanced Approach of MOF Mediated Microplastic Degradation after Confiscating Microplastics by MOFs -- Wastewater treatment plants and microplastic degradation.
Sommario/riassunto	This book presents microplastics pollution in land and water bodies, their hazardous effects, characterization approaches, and suitable means of utilizing advanced treatment options to solve the problem. It is mainly understood that microplastic pollutants are associated with water bodies, however there also exists soil contamination and their interaction with the food web. The discussions related to strategies and policies for the management of microplastics are very limited. This book not only narrows microplastic pollution in marine or fresh water bodies, but also takes into account the terrestrial environment, including the toxicity effects, characterization aspects and treatment approaches. The main feature of the book includes latest research related to microplastics pollution, examining the different health effects including environmental (related) issues and highlights the advances in treatment approaches. The book serves as a guide with an up-to-date information on microplastics related problems, useful for students, researchers, professionals/environmentalists and also as a reference for policy makers.