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Nota di contenuto	Why Microplastics Are Exceptional Contaminants? -- Bioplastics against Microplastics: Screening of Environmental Bacteria for Bioplastics Production -- Preparation and Analysis of Standard Microplastics -- Round Robin Test on Microplastic Counting and Identification Method -- Mechanical and Thermal Properties of HDPE/PET Microplastics, Applications, and Impact on Environment and Life -- The Risks of Microplastic Pollution in the Aquatic Ecosystem -- Micro Plastic Challenges in River Delimi Due to Its Interaction with Physicochemical Parameters -- Microplastics Derived from Commercial Fishing Activities -- Microplastic Contaminants in the Sediment of the East Coast of Saudi Arabia -- Micro(Nano)Plastics as Carriers of Toxic Agents and Their Impact on Human Health -- Effect of Microplastic on the Human Health.
Sommario/riassunto	Plastics are crucial materials that are used in daily life. They are manufactured and used until they become waste that negatively impacts the environment and public health. These plastic wastes break down into small particles known as microplastics (MPs) via changes in environmental conditions (i.e., sunlight, temperature, weathering, and irradiation). This reduction in size increases the toxic potential of MPs. This book provides a comprehensive overview of MPs, including the challenges and advances in their effective removal from our

environment.

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