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Descrizione fisica	1 online resource (viii, 282 pages) : illustrations
Collana	Environmental Chemistry for a Sustainable World, , 2213-7122
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Soggetti	Microplastics - Environmental aspects Microplastics - Risk assessment
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Microplastic research publications from 1991 to 2020 -- Characterization and toxicology of microplastics in soils, water and air -- Coral feeding behavior on microplastics -- Microplastics remediation in the aqueous environment -- Removal of environmental microplastics by advanced oxidation processes -- Techniques for removal and degradation of microplastics -- Occurrence and removal of microplastics in wastewater treatment plants -- Microplastic sources, transport, exposure, analysis and removal -- Airborne microplastics in outdoor and indoor environments -- Nanoplastic sources, characterization, ecological impact, remediation and policies -- Microplastics in soil-plant systems.
Sommario/riassunto	Microplastics and nanoplastics have been recently found in most environmental media and in living organisms, thus representing a serious health concern of yet poorly known adverse consequences. This book summarizes recent findings on the sources, behavior, transformation, toxicity and remediation of microplastics, with focus on soils, water, wastewater, air, soils, plants and corals. Advanced methods for sampling, characterization, removal and degradation of microplastics.