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Nota di contenuto	Microplastics Occurrence in Different Regions Around the World -- Microplastics pollution in rivers -- Microplastics in freshwater environments and drinking water -- The role of rivers in microplastics spread and pollution -- Microplastics pollution in coastal zones -- A Critical Review on Separation, Identification, Quantification and Removal of Microplastics in Environmental samples: Developments and Challenges -- Pretreatment methods for further analysis of microplastics in wastewater and sludge samples -- Microplastics Sampling and Recovery: Materials, Identification, Characterization Methods and Challenges -- Ecotoxicity assessment of microplastics on aquatic life -- Occurrence, fate and removal of microplastics in wastewater treatment plants (WWTPs) and drinking water treatment

plants (DWTPs) -- Microplastic pollution in water and their removal in various wastewater treatment plants -- An Overview of Physical, Chemical and Biological Methods for Removal of Microplastics -- Microplastics and anaerobic digestion -- Role Of Microplastics As Attachment Media For The Growth Of Microorganisms.

Sommario/riassunto

This book highlights one of the most important water pollutants known as Microplastics. It has been reported that humans and the environment are dealing with microplastics particles in water and aquatic media. Despite the fact that such pollution might have mainly started out from the sea, it is now in lakes, rivers, ponds and even drinking water. This book presents an overview of microplastics in freshwater environments in different regions around the world. It discusses the ecotoxicological effects of microplastics, the removal/remediation techniques of microplastics and the role of water/wastewater treatment plants in spreading microplastics. This book is a valuable resource, covering wide aspects of microplastics from sources, detection and characterization to removal and their fate in treatment plants.
