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Descrizione fisica	1 online resource (316 p.)
Disciplina	579/.17
Soggetti	Microbial diversity
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The concept of microbial species -- Microscopic methods for assessing microbial diversity -- Culture methods -- Molecular and genomic methods -- Phylogenetic analysis -- Environmental evolution -- Biogeochemical cycling of carbon and nitrogen -- Biogeochemical cycling of phosphorus, sulfur, metals, and trace elements -- Cross-species interactions among prokaryotes -- Interactions between microorganisms and large eukaryotes -- Microbial diversty and global environmental issues.
Sommario/riassunto	This book offers the first comprehensive, in-depth treatment of microbial diversity for undergraduate and graduate students. Using a global approach, Microbial Diversity illustrates the impact of microorganisms on ecological and Earth system phenomena. * Accompanied by a devoted website with resources for both instructors and students: www.blackwellpublishing.com/ogunseitan * Uses key ecological and global phenomena to show the continuity of microbial contribution. * Illustrates the importance of microbial diversity for the

understanding of global physiochemical and biological processes. * Presents analyses of microscopic, culture, molecular, and phylogenetic systematic methods. * Shows the relevance of microbial diversity to global environmental problems, such as climate change and ozone depletion. * Features numerous illustrations, including over 60 4-color photographs of microbes.