1. Record Nr. UNINA9910830114103321

Titolo	Environmental microbiology [[electronic resource] /] / edited by Ralph Mitchell and Ji-Dong Gu
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, c2010
ISBN	1-282-68478-7 9786612684784 0-470-49511-1 0-470-49510-3
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (388 p.)
Altri autori (Persone)	MitchellRalph <1934-> GuJ.-D
Disciplina	579 579.17 579/.17
Soggetti	Microbial ecology Microbiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	ENVIRONMENTAL MICROBIOLOGY; CONTENTS; Contributors; Preface; 1 Bacteria in the Greenhouse: Marine Microbes and Climate Change; 2 Control of Waterborne Pathogens in Developing Countries; 3 New Molecular Methods for Detection of Waterborne Pathogens; 4 Microbial Transformations of Radionuclides in the Subsurface; 5 Eutrophication of Estuarine and Coastal Ecosystems; 6 Microbial Deterioration of Cultural Heritage Materials; 7 Sorption and Transformation of Toxic Metals by Microorganisms; 8 Bioremediation of Hazardous Organics; 9 Biosensors as Environmental Monitors 10 Effects of Genetically Modified Plants on Soil Microorganisms11 Anaerobic Digestion of Agricultural Residues; 12 Anaerobic Biodegradation of Solid Waste; 13 Low-Energy Wastewater Treatment: Strategies and Technologies; 14 Bioremediated Geomechanical Processes; Index
Sommario/riassunto	The bestselling reference on environmental microbiology-now in a new edition This is the long-awaited and much-anticipated revision of the

bestselling text and reference. Based on the latest information and investigative techniques from molecular biology and genetics, this Second Edition offers an in-depth examination of the role of microbiological processes related to environmental deterioration with an emphasis on the detection and control of environmental contaminants. Its goal is to further our understanding of the complex microbial processes underlying environmental degrad