

1. Record Nr.	UNINA9910144136903321
Titolo	Microbial ecology of the oceans // [edited by] David L. Kirchman
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Blackwell, c2008
ISBN	0-470-43862-2 1-281-73249-4 9786611732493 0-470-28184-7 1-61583-607-1 0-470-28183-9
Edizione	[2nd ed., Thoroughly rev.]
Descrizione fisica	1 recurso en liña (617 páxinas)
Collana	Wiley Series in Ecological and Applied Microbiology ; ; 34
Altri autori (Persone)	KirchmanDavid L
Disciplina	579/.177
Soggetti	Marine microbiology Marine ecology Carbon cycle (Biogeochemistry)
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	Microbial Ecology of the Oceans; CONTENTS; PREFACE; CONTRIBUTORS; 1 INTRODUCTION AND OVERVIEW; 2 UNDERSTANDING ROLES OF MICROBES IN MARINE PELAGIC FOOD WEBS: A BRIEF HISTORY; 3 BACTERIAL AND ARCHAEOAL COMMUNITY STRUCTURE AND ITS PATTERNS; 4 GENOMICS AND METAGENOMICS OF MARINE PROKARYOTES; 5 PHOTOHETEROTROPHIC MARINE PROKARYOTES; 6 ECOLOGY AND DIVERSITY OF PICOEUKARYOTES; 7 ORGANIC MATTER-BACTERIA INTERACTIONS IN SEAWATER; 8 PHYSIOLOGICAL STRUCTURE AND SINGLE-CELL ACTIVITY IN MARINE BACTERIOPLANKTON; 9 HETEROTROPHIC BACTERIAL RESPIRATION; 10 RESOURCE CONTROL OF BACTERIAL DYNAMICS IN THE SEA 11 PROTISTAN GRAZING ON MARINE BACTERIOPLANKTON12 MARINE VIRUSES: COMMUNITY DYNAMICS, DIVERSITY AND IMPACT ON MICROBIAL PROCESSES; 13 MOLECULAR ECOLOGICAL ASPECTS OF NITROGEN FIXATION IN THE MARINE ENVIRONMENT; 14 NITROGEN CYCLING IN SEDIMENTS; INDEX

Sommario/riassunto

""I would strongly recommend it for library purchase and the reading list of advanced students in this field.""-Microbiology Today, May 2009
Nearly a decade since its landmark publication, this book has been thoroughly revised in this valuable new edition. Like the successful first edition, *Microbial Ecology of the Oceans, Second Edition* is unique and fills a void in the rapidly growing fields of marine microbiology, microbial ecology, and microbial oceanography. Here, a carefully selected team of international experts explores issues of enduring importan
