

1. Record Nr.	UNINA9910457336103321
Titolo	Seawater [[electronic resource] ] : Its Composition, Properties and Behaviour / / Open University
Pubbl/distr/stampa	Burlington, : Elsevier Science, 1995
ISBN	1-281-03445-2 9786611034450 0-08-054081-3
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (173 p.)
Disciplina	551.4601
Soggetti	Marine invertebrates -- Cultures and culture media Oceanography Salt deposits Seawater Seawater - Composition
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Front Cover; SEAWATER: ITS COMPOSITION, PROPERTIES AND BEHAVIOUR; Copyright Page; CONTENTS; ABOUT THIS VOLUME; ABOUT THIS SERIES; CHAPTER 1. WATER , AIR AND ICE; 1.1 THE SPECIAL PROPERTIES OF WATER; 1.2 THE HYDROLOGICAL CYCLE; 1.3 SUMMARY OF CHAPTER 1; CHAPTER 2. TEMPERATURE IN THE OCEANS; 2.1 SOLAR RADIATION; 2.2 DISTRIBUTION OF SURFACE TEMPERATURES; 2.3 DISTRIBUTION OF TEMPERATURE WITH DEPTH; 2.4 ENERGY FROM THE THERMOCLINE - A BRIEF DIGRESSION; 2.5 TEMPERATURE DISTRIBUTION AND WATER MOVEMENT; 2.6 SUMMARY OF CHAPTER 2; CHAPTER 3. SALINITY IN THE OCEANS; 3.1 CONSTANCY OF COMPOSITION 3.2 VARIATIONS IN SALINITY3.3 THE MEASUREMENT OF SALINITY; 3.4 SUMMARY OF CHAPTER 3; CHAPTER 4. DENSITY AND PRESSURE IN THE OCEAN; 4.1 WATER MASSES; 4.2 DEPTH (PRESSURE), DENSITY AND TEMPERATURE; 4.3 T-S DIAGRAMS; 4.4 MIXING PROCESSES IN THE OCEANS; 4.5 SUMMARY OF CHAPTER4; CHAPTER 5. LIGHT AND SOUND IN SEAWATER; 5.1 UNDERWATER LIGHT; 5.2 UNDERWATER SOUND; 5.3 SUMMARY OF CHAPTER 5; CHAPTER 6. THE SEAWATER SOLUTION; 6.1

THE GROSS CHEMICAL COMPOSITION OF SEAWATER; 6.2 SOURCES AND SINKS, OR WHY THE SEA IS SALT; 6.3 CHEMICAL AND BIOLOGICAL REACTIONS IN SEAWATER; 6.4 SUMMARY OF CHAPTER 6  
CHAPTER 7. SEAWATER AND THE GLOBAL CYCLE7.1 A SHORT HISTORY OF SEAWATER; 7.2 A LOOK AHEAD; 7.3 SUMMARY OF CHAPTER;  
APPENDIX: CONVERSIONS BETWEEN pH AND [H+]; SUGGESTED AND COMMENTS READING; ANSWERS AND COMMENTS TO QUESTIONS;  
ACKNOWLEDGEMENTS; INDEX

## Sommario/riassunto

'Seawater' has been substantially updated in this second edition to take account of recent developments in marine science. Sections dealing with difficult physical and chemical concepts have been developed on the basis of feedback from the first edition, making this an ideal learning tool for oceanography students. Chapter 1 summarizes the special properties of water and the role of the oceans in the hydraulic cycle. The distribution of temperature and salinity in the oceans and how they influence water density and movements is then discussed. Light and sound in seawater are consider

## 2. 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 Microorganisms 11 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