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Autore	Bini Claudio
Titolo	Environmental impact of abandoned mine waste [[electronic resource]] : a review / / Claudio Bini
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2012
ISBN	1-61324-895-4
Descrizione fisica	1 online resource (102 p.)
Collana	Mining engineering-- research and technology
Disciplina	622.028/6
Soggetti	Abandoned mines - Environmental aspects Mine soils - Environmental aspects Abandoned mined lands reclamation - Italy Electronic books.
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.

2. Record Nr.	UNINA9910460974403321
Autore	James Noel P
Titolo	Origin of carbonate sedimentary rocks / / Noel P. James, Brian Jones
Pubbl/distr/stampa	Chichester, England : , : Wiley : , : American Geophysical Union, , 2016 ©2016
ISBN	1-118-65267-3 1-118-65269-X
Descrizione fisica	1 online resource (467 p.)
Collana	Wiley Works
Disciplina	552/.58
Soggetti	Carbonate rocks Sedimentary rocks Diagenesis Electronic books.
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Title Page; Copyright Page; CONTENTS; PREFACE; ACKNOWLEDGEMENTS; ABOUT THE COMPANION WEBSITE; PART I CARBONATE SEDIMENTOLOGY: AN OVERVIEW; Introduction; Carbonate minerals and their chemistry; The carbonate factory; The different carbonate factories; Microbes and algae; Invertebrate biofragments; Further reading; CHAPTER 1 CARBONATE ROCKS AND PLATFORMS; What are carbonate sedimentary rocks?; Why should we care about studying these rocks?; What is the scientific approach?; The carbonate continuum; How do carbonate sediments form?; Where are carbonates produced and where do they accumulate? Tectonic settings and the nature of carbonate platforms How do we study carbonate sediments and rocks?; Further reading; CHAPTER 2 CARBONATE CHEMISTRY AND MINERALOGY; Introduction; Chemistry; Carbonate precipitation and dissolution in the ocean; Further reading; CHAPTER 3 THE CARBONATE FACTORY; Introduction; Sediment production; Component modification; Karst and carbonate spring precipitates; Further reading; CHAPTER 4 MARINE CARBONATE FACTORIES AND ROCK CLASSIFICATIONS; Introduction; Environmental

controls; Benthic marine factories; Pelagic marine factories; Limestone classification schemes
 Further reading CHAPTER 5 THE CARBONATE FACTORY: MICROBES AND ALGAE; Introduction; Microbes and carbonates; Microbialites; Modern stromatolites; Calcimicrobes; Calcareous algae; Further reading;
 CHAPTER 6 THE CARBONATE FACTORY: SINGLE CELLS AND SHELLS; Introduction; Single-cell microfossils; Macrofossils; Further reading;
 CHAPTER 7 THE CARBONATE FACTORY: ECHINODERMS AND COLONIAL INVERTEBRATES; Introduction; Echinoderms; Sponges; Bryozoans; Corals; Further reading; PART II CARBONATE DEPOSITIONAL SYSTEMS: AN OVERVIEW; Introduction; Terrestrial systems; Strandline systems; Marine systems
 Further reading CHAPTER 8 LACUSTRINE CARBONATES; Introduction; Modern lakes: Zonation and classification; Controls on lake sedimentation; Lake sedimentation; Lacustrine microbialites; Classification of ancient lake deposits; Further reading; CHAPTER 9 CARBONATE SPRINGS; Introduction; Spring systems; Classification of springs; Tufa, travertine, or sinter?; Biota of spring systems; Carbonate precipitation in spring systems; Spring architecture; Calcareous spring carbonate facies; Further reading; CHAPTER 10 WARM-WATER NERITIC CARBONATE DEPOSITIONAL SYSTEMS; Introduction; The carbonate factory
 Depositional systems Further reading; CHAPTER 11 THE COOL-WATER NERITIC REALM; Introduction; The Carbonate Factory; Depositional settings; Warm-temperate carbonates; Cool-temperate carbonates; Cold-water, polar carbonate systems; The rock record; Further reading; CHAPTER 12 MUDDY PERITIDAL CARBONATES; Introduction; Andros Island: The Bahamas; Shark Bay: Western Australia; The United Arab Emirates: Persian Gulf; Stratigraphy; The shallowing-upward peritidal cycle; How do numerous peritidal cycles form?; Temporal variations on the peritidal cycle theme; Further reading
 CHAPTER 13 NERITIC CARBONATE TIDAL SAND BODIES

Sommario/riassunto

This textbook provides an overview of the origin and preservation of carbonate sedimentary rocks. The focus is on limestones and dolostones and the sediments from which they are derived. The approach is general and universal and draws heavily on fundamental discoveries, arresting interpretations, and keystone syntheses that have been developed over the last five decades. The book is designed as a teaching tool for upper level undergraduate classes, a fundamental reference for graduate and research students, and a scholarly source of information for practicing professionals whose expertise lies