

1. Record Nr.	UNINA9910812946403321
Titolo	Sand dunes : ecology, geology and conservation / / Cory D. Galvin, editor
Pubbl/distr/stampa	New York, : Nova Science Publishers, 2011
ISBN	1-61209-482-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (181 p.)
Collana	Environmental science, engineering and technology
Disciplina	577.5/83
Soggetti	Sand dune ecology Sand dune conservation
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	Intro -- SAND DUNES: ECOLOGY, GEOLOGY AND CONSERVATION -- SAND DUNES: ECOLOGY, GEOLOGY AND CONSERVATION -- CONTENTS -- PREFACE -- Chapter 1 DUNE ECOSYSTEMS OF THE SOUTHERN PAMPEAN COAST (ARGENTINA): AN INSIGHT INTO FLORISTIC DIVERSITY, ECOLOGY AND CONSERVATION -- ABSTRACT -- INTRODUCTION -- THE SOUTHERN PAMPEAN COAST - GENERAL DESCRIPTION -- METHODOLOGY -- RESULTS -- Geomorphological Units and Associated Vegetation -- Beach -- Active Dunes -- Fixed/Semifixed Dunes -- Dune Slacks -- Brackish Floodplains -- CONCLUSION -- Ecological Considerations -- Human Intervention -- Protection Status and Conservation Perspectives -- ACKNOWLEDGMENTS -- REFERENCES -- Chapter 2 AEOLIAN SAND DUNE ENVIRONMENTS -- ABSTRACT -- WINDS, DESERTS AND COASTS -- SAND EROSION AND TRANSPORT -- Erosion -- Transport -- Sand Sedimentation -- Sand Sheets -- Ripples, Dunes and Draas -- Interdune Areas -- TYPES OF AEOLIAN SAND SYSTEMS -- POTENTIAL IMPACTS ON SAND DUNES -- REFERENCES -- Chapter 3 FATTY ACID PROFILE OF RIPENED CANAVALIA SPLIT BEANS OF THE COASTAL SAND DUNES -- ABSTRACT -- INTRODUCTION -- MATERIALS AND METHODS -- Seed Samples -- Extraction of Lipids -- Fatty Acid Methyl Esters -- Gas Chromatography -- Data Analysis -- RESULTS -- Seed Features and Total Lipids -- Fatty Acid Methyl Esters -- Ratios of Fatty Acid -- DISCUSSION -- CONCLUSIONS AND OUTLOOK -- ACKNOWLEDGMENTS -- REFERENCES -- Chapter 4 THE GEOLOGY

OF SAND DUNES -- ABSTRACT -- 1. INTRODUCTION -- 2. SAND MOBILIZATION -- 3. DUNE GROWTH AND MOVEMENT -- 4. TYPES OF SAND DUNES -- 1. Barchan Dunes -- 2. Longitudinal Dunes -- 3. Transverse Dunes -- 4. Parabolic Dunes -- 5. Barchanoid Dunes -- 6. Star Dunes -- 5. EXAMPLES -- 1. The Great Sand Dunes -- 2. White Sands National Monument -- 3. Al Rub Al Khali (Empty Quarter) -- 4. The Wahiba Sands -- 6. INTERDUNES ENVIRONMENT -- 1. Erosional Interdunes.
2. Dry Interdunes -- 3. Damp-Wet Interdunes -- 4. Evaporitic Interdunes -- REFERENCES -- Chapter 5 IMPROVING WATER REGIMES OF LOAMY SAND FOR WHEAT CULTIVATION BY ADDING SILT LOAM -- ABSTRACT -- INTRODUCTION -- METHODOLOGY -- 1. Experimental Site and Treatments -- 2. Wheat Cultivation and Irrigation Management -- 3. Data Recording and Analyses -- RESULTS AND DISCUSSION -- 1. Soil Properties -- 2. Water Regimes -- 3. Water Use Efficiency -- CONCLUSION -- REFERENCES -- Chapter 6 THE SAHARA: A DESERT OF CHANGE -- ABSTRACT -- INTRODUCTION -- DATA SET -- METHODS -- RESULTS AND DISCUSSION -- Precipitation -- Temperature -- Wind Direction -- Topography -- Sahara Desert Surface Area Change -- REFERENCES -- Chapter 7 VERTEBRATE DIVERSITY IN THE THAR DESERT, INDIA -- ABSTRACT -- INTRODUCTION -- Physiography -- Climate -- Rainfall -- VEGETATION -- MATERIALS AND METHODS -- RESULTS -- Birds -- SPECIES RICHNESS AND ABUNDANCE -- DIVERSITY INDICES -- MAMMALS -- DISCUSSION -- ACKNOWLEDGMENTS -- REFERENCES -- Chapter 8 NUTRITIONAL ASSESSMENT OF SPROUTED SEEDS OF COASTAL SAND DUNE LEGUME CANAVALIA MARITIMA -- ABSTRACT -- INTRODUCTION -- MATERIALS AND METHODS -- Seed Samples -- Processing -- Proximate Analysis -- Protein Fractions -- Mineral Analysis -- Amino Acid Analysis -- Protein Digestibility -- Fatty Acid Analysis -- Antinutritional Factors -- Antinutritional Factors -- RESULTS AND DISCUSSION -- Proximate Composition -- Protein Fractions -- Mineral Profile -- Amino Acid Profile -- In Vitro Protein Digestibility -- Fatty Acid Profile -- Antinutritional Features -- ACKNOWLEDGMENTS -- REFERENCES -- INDEX -- Blank Page.
