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Titolo	Quæstiones quas pro modulo discutiendas sub celeberrimo viro, D. Crescentio Mathero [[electronic resource]] : Academiæ Harvadinæ, quæ est Cantabrigiæ apud Nov-Anglos, præside dignissimo, in comitiis proponunt laureæ magistralis candidati : die quarto quintilis M.DC.XC. IV
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Nota di contenuto	Intro -- ARID ENVIRONMENTS AND WIND EROSION -- ARID ENVIRONMENTS AND WIND EROSION -- CONTENTS -- PREFACE -- BRAZIL'S SEMIARID CERRADO: A REMOTE SENSING PERSPECTIVE -- ABSTRACT -- 1. INTRODUCTION -- 2. BIODIVERSITY AND ECOLOGY -- 3. RELATIONSHIP BETWEEN LANDFORM EVOLUTION, SOILS AND CERRADO VEGETATION COVER -- 4. VEREDAS DO PERUAÇU STATE PARK: A RESEARCH STATION ON CERRADO -- 5. CONCLUSION -- ACKNOWLEDGMENTS -- REFERENCES -- A SYSTEMATIC REVIEW OF SPECIES PERFORMANCE AND TREATMENT EFFECTIVENESS FOR REVEGETATION IN THE MOJAVE DESERT, USA -- ABSTRACT -- INTRODUCTION -- METHODS -- RESULTS -- DISCUSSION -- FUTURE RESEARCH -- CONCLUSION -- ACKNOWLEDGMENTS -- REFERENCES -- APPENDIX 1. SUMMARY OF 55 SPECIES PLANTED OR SEEDED IN 23 REVEGETATION STUDIES IN THE MOJAVE DESERT, SOUTHWESTERN UNITED STATES -- EFFECT OF IRRIGATION ON RUNOFF AND LOCAL CLOUD SYSTEMS IN THE YELLOW RIVER BASIN -- ABSTRACT -- INTRODUCTION -- METHODS AND DATA -- RESULTS AND DISCUSSION -- CONCLUSION -- REFERENCES -- SOCIO-ECONOMIC DEVELOPMENT IN ARID ZONES: THE INFLUENCE OF WATER AVAILABILITY IN THE SAN LUIS POTOSÍ BASIN, MEXICO -- ABSTRACT -- 1. INTRODUCTION -- 2. INTERACTION BETWEEN SOCIO-ECONOMIC DYNAMIC AND WATER

RESOURCES -- 3. THE SAN LUIS POTOSI BASIN -- 4. STAGES IN SOCIO-ECONOMICS AND WATER SUPPLY MANAGEMENT -- 5. SOCIO-ECONOMIC FORCES THAT DRIVE FUTURE WATER STRESS -- 6. WATER RESOURCES MANAGEMENT IN RESPONSE TO WATER STRESS -- 7. CONCLUSION -- ACKNOWLEDGMENTS -- REFERENCES -- RARITY AND COMMONNESS AMONG COLUMNAR CACTI: AN EXPLORATION OF THE STORAGE EFFECT FROM A DEMOGRAPHIC VIEWPOINT -- ABSTRACT -- INTRODUCTION -- METHODS -- RESULTS -- DISCUSSION -- ACKNOWLEDGMENTS -- REFERENCES -- APPENDIX -- THE STUDY ON IMPACTS OF GLOBAL CLIMATE CHANGE ON THE AGRICULTURE IN NORTHWEST CHINA -- ABSTRACT -- 1. INTRODUCTION -- 2. RESPONSES OF AGRICULTURAL CLIMATE TO GLOBAL WARMING. 2.2 RESPONSES OF AGRICULTURAL CLIMATE -- 3. IMPACTS OF CLIMATE CHANGE ON SOIL MOISTURE AND CLIMATIC PRODUCTIVITY -- 4. IMPACTS OF CLIMATE CHANGE ON CROPS -- 5. CONCLUSION AND DISCUSSION -- ACKNOWLEDGMENT -- REFERENCES -- SOIL ACIDIFICATION AND BUFFERING MECHANISMS IN THE BOREAL BIOGEOGRAPHICAL REGION* -- ABSTRACT -- INTRODUCTION -- BACKGROUND -- ACIDIFICATION AND BUFFERING EFFECT IN THE SOIL -- FIELD OBSERVATION DURING 1999-2003 -- LABORATORIAL EXPERIMENT -- CONCLUSIONS -- REFERENCES -- DROUGHT AVOIDANCE AS A MAIN STRATEGY OF CROP SURVIVAL IN ARID ENVIRONMENTS* -- ABSTRACT -- INTRODUCTION -- NEGLECTED PLANTS OF ARID AND SEMIARID ENVIRONMENTS -- TRENDS AND FUTURE PROSPECTS -- CONCLUSION -- REFERENCES -- UTILIZATION AND MANAGEMENT OF ARID LAND PLANTS* -- ARID AND SEMIARID ZONES: CONCEPTS AND CLASSIFICATION -- SIZE AND DISTRIBUTION -- CAUSES OF DRYNESS -- CHARACTERISTICS OF THE ARID ZONES -- ECOLOGICAL ASPECTS OF ARID AND SEMI-ARID ZONES -- BIOLOGICAL CONSEQUENCES OF CLIMATE CHANGE AND DROUGHT -- CASE STUDY -- MANAGEMENT AND UTILIZATION OF THORNSCRUB IN THE SEMIARID ZONES OF NORTHEASTERN MEXICO -- INTRODUCTION -- DESCRIPTION OF THE STUDY AREA -- STRUCTURE AND CHARACTERISTICS OF THE PLANTS OF SEMI-ARID ZONES OF NORTHEASTERN MEXICO -- PREVIOUS USES AND THEIR IMPACT ON THE RESOURCE -- ESTIMATION OF THE ECONOMIC GROWTH AND YIELD -- CONCLUSIONS AND SUGGESTIONS FOR IMPROVEMENT -- ACKNOWLEDGMENTS -- REFERENCES -- RECENT EXPERIMENTAL STUDIES ON THE SALTATING SAND PARTICLE TRANSPORT AND WIND-SAND INTERACTION IN SALTATION -- ABSTRACT -- 1. INTRODUCTION -- 2. EXPERIMENTAL FACILITY AND METHOD -- 3. RESULTS AND DISCUSSION -- 4. CONCLUSION -- ACKNOWLEDGMENTS -- REFERENCES -- THE DYNAMIC INTERACTION OF CLIMATE, VEGETATION, AND DUST EMISSION, MOJAVE DESERT, USA -- ABSTRACT -- INTRODUCTION -- CHARACTERISTICS OF THE STUDY AREA. REGIONAL CLIMATIC CONTROLS ON DUST EMISSION FROM THE MOJAVE DESERT -- CHARACTERISTICS OF THE STUDY SITES -- METHODS -- RESULTS -- DISCUSSION -- CONCLUSION -- ACKNOWLEDGMENTS -- REFERENCES -- SHADOWS ANALYSIS TO MEASURE SOIL SURFACE ROUGHNESS TO EVALUATE WIND EROSION -- ABSTRACT -- 1. INTRODUCTION -- 2. SOIL SURFACE ROUGHNESS MEASUREMENTS -- 3. SOIL SURFACE ROUGHNESS INDEXES -- 4. SHADOWS ANALYSIS METHODOLOGY -- 5. CONCLUSION -- 6. REFERENCES -- CARBON AND NITROGEN DYNAMICS WITH ENHANCED WIND EROSION-MODEL EVALUATION AND PREDICTION -- ABSTRACT -- 1. INTRODUCTION -- 2. MATERIAL AND METHODS -- 3. RESULTS -- 4. DISCUSSION -- 5. CONCLUSION -- ACKNOWLEDGMENTS -- REFERENCES -- NEW CONCEPT AND CONTROL MEASURES FOR WIND

EROSION IN AGRICULTURAL LAND: A CASE STUDY IN NORTHERN CHINA -- ABSTRACT -- 1. INTRODUCTION -- 2. MECHANISMS OF WIND EROSION -- 3. DAMAGE OF WIND EROSION TO AGRICULTURE -- 4. WIND EROSION CONTROL -- 5. PROSPECT AND NEW STRATEGIES FOR WIND EROSION CONTROL -- 6. CONCLUDING REMARKS AND FUTURE RESEARCH -- REFERENCES -- RELATIVE IMPORTANCE OF HUMIDITY AND TEMPERATURE ON MICROHABITAT USE BY LAND SNAILS IN ARID VERSUS HUMID ENVIRONMENTS -- ABSTRACT -- INTRODUCTION -- STUDY AREAS -- STUDY SPECIES -- SAMPLING METHOD -- STATISTICAL ANALYSES -- RESULTS -- CONCLUSION -- ACKNOWLEDGMENTS -- Untitled -- EFFECTS OF SOLAR DISINFECTION AND HEATING ON THE SENSITIVITY OF VIRULENT MULTIPLE-ANTIBIOTIC RESISTANT AND NON VIRULENT SENSIBLE STRAINS OF NON-01 VIBRIO CHOLERAEE AND FECAL COLIFORMS ISOLATED FROM MARRAKESH GROUNDWATER -- ABSTRACT -- 1. INTRODUCTION -- 2. MATERIALS AND METHODS -- 3. STATISTICAL ANALYSIS -- 4. RESULTS -- 5. DISCUSSION -- ACKNOWLEDGMENTS -- REFERENCES -- TREND OF PHREATOPHYTE CONTROL IN ARID ENVIRONMENTS AND THE DEVELOPMENT OF CONTROL MONITORING AND EVALUATING -- ABSTRACT -- BACKGROUND -- MONITORING OF PHREATOPHYTE CONTROLS. REMOTE SENSING OF ET -- EVALUATE ET AND WATER SAVINGS FROM SALT CEDAR CONTROL -- DETECT BEETLE SPREADING OF BIOLOGICAL CONTROL -- CONTROL EFFICIENCY -- REFERENCES -- EVALUATION AND PREDICTION OF WATER EROSION IN ARID STEEPLY SLOPED AREAS IN THE CENTRAL-WESTERN PART OF ARGENTINA -- ABSTRACT -- 1. INTRODUCTION -- 2. MATERIALS AND METHODS -- 3. RESULTS AND DISCUSSION -- 4. CONCLUSIONS -- REFERENCES -- INDEX.

Sommario/riassunto

This text focuses on regions classified as arid environments and how systematic, evidence-based synthesis may be useful for assessing ecological and cost-effective strategies for assessing revegetation in arid lands.
