

1. Record Nr.	UNINA9910956275503321
Titolo	Modeling hydrologic effects of microtopographic features // Xixi Wang, editor
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2011
ISBN	1-61668-902-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (223 p.)
Collana	Water resource planning, development and management
Altri autori (Persone)	WangXixi
Disciplina	551.48
Soggetti	Hydrogeology - Data processing Hydrogeology - Mathematics Groundwater flow - Computer simulation Geomorphology - Computer simulation
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 -- MODELING HYDROLOGIC EFFECTS OF MICROTOPOGRAPHIC FEATURES -- CONTENTS -- PREFACE -- Chapter 1: CHARACTERIZATION OF MICROTOPOGRAPHY AND ITS HYDROLOGIC SIGNIFICANCE -- ABSTRACT -- INTRODUCTION -- ACQUISITION OF HIGH-RESOLUTION DEM AND DATA PROCESSING -- DEM-BASED WATERSHED DELINEATION -- A NEW ALGORITHM FOR WATERSHED DELINEATION -- CONCLUSIONS -- ACKNOWLEDGMENTS -- REFERENCES -- Chapter 2: ADAPTATION OF NATIONAL ELEVATION DATA SET TO ESTIMATE DEPRESSION STORAGE IN A GLACIATED WATERSHED -- ABSTRACT -- INTRODUCTION -- MATERIALS AND METHODS -- RESULTS AND DISCUSSION -- SUMMARY AND CONCLUSIONS -- REFERENCES -- Chapter 3: NUMERICAL MODELING OF TRANSPORT PROCESSES AT HILLSLOPE SCALE ACCOUNTING FOR LOCAL PHYSICAL FEATURES -- ABSTRACT -- INTRODUCTION -- MODELING OVERLAND FLOW OVER MICROTOPOGRAPHIC SURFACE -- MODELING OVERLAND FLOW OVER RILLED SURFACE -- MODELING SEDIMENTATION OVER MICROTOPOGRAPHIC SURFACE -- MODELING SEDIMENTATION OVER RILLED SURFACE -- CONCLUSIONS -- ACKNOWLEDGMENTS -- REFERENCES -- Chapter 4: SIMULATING EFFECTS OF MICROTOPOGRAPHY ON WETLAND SPECIFIC YIELD AND HYDROPERIOD -- ABSTRACT -- INTRODUCTION -- MATERIALS AND STUDY METHODS

-- RESULTS -- DISCUSSION -- CONCLUSIONS -- LITERATURE CITED --
Chapter 5: EFFECTS OF LAND MANAGEMENT AND TOPOGRAPHY ON
LAND SURFACE ENERGY FLUXES OF ECOSYSTEMS AT DIFFERENT
LATITUDES -- ABSTRACT -- INTRODUCTION -- SOLAR RADIATION
SPECTRUM -- SURFACE ENERGY BUDGET -- STUDY SITES --
DISCUSSION -- SUMMARY -- REFERENCES -- Chapter 6: EFFECTS OF
DETENTION PONDS IN CONTROLLING STORMWATER QUALITY AND PEAK
DISCHARGE FROM SITE DEVELOPMENT -- ABSTRACT -- INTRODUCTION
-- ENGINEERING PRACTICES OF STORMWATER DETENTION PONDS IN
CALIFORNIA -- PEAK REDUCTION EFFECTS OF DETENTION BASINS --
DISCUSSION -- CONCLUSIONS -- REFERENCES.
Chapter 7: EVALUATE EFFECTS OF THE WAFFLE® ON FLOOD
REDUCTION IN THE RED RIVER OF THE NORTH BASIN USING COUPLED
SWAT AND HEC-RAS MODELS -- ABSTRACT -- INTRODUCTION -- THE
SWAT MODELS -- MODELED FLOW REDUCTIONS IN THE WATERSHEDS
-- THE HEC-RAS MODEL -- MODELED FLOOD CREST REDUCTIONS
ALONG THE MAINSTEM -- BIBLIOGRAPHY -- INDEX.

Sommario/riassunto

Microtopographic features, such as natural depressions, wetlands, and raised roads, are very important in regulating watershed energy and water fluxes. This book discusses how to develop and use hydrologic models to quantify effects of microtopographic features on energy and water fluxes at watershed scale.

2. Record Nr.	UNICAMPANIAVAN00018636
Autore	Chua, Leon O.
Titolo	Linear and Nonlinear Circuits / Leon O. Chua, Charles A. Desoer, Ernest S. Kuh
Pubbl/distr/stampa	New York ; London, : McGraw-Hill, 1987
ISBN	00-7100-685-0
Descrizione fisica	XXI, 839 p. : ill. ; 25 cm
Altri autori (Persone)	Desoer, Charles A. Kuh, Ernest S.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia