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Nota di contenuto	Intro -- MOUNTAIN ECOSYSTEMS: DYNAMICS, MANAGEMENT AND CONSERVATION -- MOUNTAIN ECOSYSTEMS: DYNAMICS, MANAGEMENT AND CONSERVATION -- CONTENTS -- PREFACE -- EURO-MEDITERRANEAN TORRENTS: CASE STUDIES ON TOOLS THAT CAN IMPROVE THEIR MANAGEMENT -- ABSTRACT -- 1.0. EURO-MEDITERRANEAN TORRENTS -- 1.1. The Euro-Mediterranean Region -- 1.2. What are the Euro-Mediterranean Torrents? -- 1.3. Benefits and negative impacts of torrents in the Euro-Mediterranean region. -- 1.4. Objectives of the Book Chapter -- 2.0. CASE STUDIES FROM GREECE: TORRENT CLASSIFICATION AND ESTIMATING POTENTIAL WATERSHED EROSION USING GIS -- 2.1. Introduction -- 2.2. Case Study 1: Classification of Greek Torrents -- 2.2.1. Background -- 2.2.2. Methodology -- 2.3.3. Classification -- 2.3.4. Conclusions -- 2.3. Case Study 2: Evaluating Erosion Risk for Greek Torrents Using GIS -- 2.3.1. Background -- 2.3.2. Torrent Digital Elevation Models (DEMs) -- 2.3.3. Erosion Potential 3-D Maps -- 2.4. Conclusions -- 3.0. CASE STUDIES FROM SPAIN: WATER EROSION IN THE LA VIUDA RAMBLA AND RESTORATION EFFORTS IN THE ARAS TORRENT -- 3.1. Introduction -- 3.2. Case Study 3: Mediterranean Ramblas -- 3.2.1. Historical Background -- 3.2.2. The Case of the La Viuda Rambla -- 3.2.3. Spatial Modelling of Erosion and Deposition with USPED -- 3.2.4. Conclusions

-- 3.3. Case Study 4: Alpine Torrents -- 3.3.1. Historical Background -- 3.3.2. The Aras Torrent Watershed -- 3.3.3. Restoration Efforts for the Aras Torrent -- 3.3.3.1. Restoration Efforts: 1907-1995 -- 3.3.3.2. The Flood Event on August 7th, 1996. -- 3.3.3.3. Maintenance and Restoration Efforts: 1997-Today -- 3.3.4. Conclusions -- CONCLUSION -- ACKOWLEDGMENTS -- REFERENCES -- ALTERED COMMUNITY DYNAMICS IN ROCKY MOUNTAIN WHITEBARK PINE FORESTS AND THE POTENTIAL FOR ACCELERATING DECLINES -- ABSTRACT -- OVERVIEW OF THE PROBLEM.
WHITEBARK PINE AS A MAJOR FOREST TREE IN THE NORTH AMERICAN WEST -- Whitebark Pine as a Keystone and Foundation Species -- WHITEBARK PINE SEED DISPERSAL BY CLARK'S NUTCRACKER -- How Seed Dispersal by Nutcrackers Influences Whitebark Pine Communities -- SEED PREDATOR DYNAMICS -- WHY IS WHITEBARK PINE DECLINING? -- EXAMINING SEED PREDATION AND DISPERSAL IN RELATION TO WHITEBARK PINE FOREST HEALTH AND COMPOSITION -- Study Area -- Forest Structure, Composition, and Health -- Red Squirrel Seed Predation and Nutcracker Seed Dispersal -- CONCLUSION AND MANAGEMENT RECOMMENDATIONS -- Implications for Whitebark Pine Management -- ACKNOWLEDGMENTS -- REFERENCES -- MOUNTAINS ECOSYSTEMS AS A TEMPORAL SINK FOR PERSISTENT ORGANIC POLLUTANTS -- ABSTRACT -- INTRODUCTION -- PREVIOUS REPORTS ON POPS IN MOUNTAIN AREAS -- POP CYCLING IN MOUNTAIN ZONES -- AIR -- SNOW -- LAKE SEDIMENTS -- CONCLUSIONS -- ACKNOWLEDGMENTS -- REFERENCES -- IMPACT OF LAND-USE CHANGE ON SEASONAL DYNAMICS OF TOTAL PROTEIN FLOW FROM ROOTS OF MOUNTAIN MEADOW PLANT COMMUNITIES -- ABSTRACT -- INTRODUCTION -- MATERIALS AND METHODS -- RESULTS AND DISCUSSION -- CONCLUSION -- ACKNOWLEDGMENTS -- PEER-REVIEWER -- REFERENCES -- ATMOSPHERIC CARBON DIOXIDE TRANSPORT OVER MOUNTAINOUS TERRAIN -- Abstract -- 1. Introduction -- 2.Observations -- 3. CharacteristicsofDaytimeMountainCirculationsandTheirTransportofCO2 -- 3.1.22July -- 3.2.26July -- 4.Conclusion -- Acknowledgment -- References -- INDEX.