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 ""Canopy Gaps as a Factor Driving Spruce Regeneration""
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 ""2.5 Specific effect of Tree Species on the Rhizospheric Archaeal Population""
 ""2.6 Anaerobic and Aerobic Archaea in the Boreal Forest Mycorrhizosphere""; ""CONCLUSION""; ""REFERENCES""; ""CHAPTER 3. REVERSIBLE VARIATIONS IN SOME WOOD PROPERTIES OF NORWAY SPRUCE (PICEA ABIES KARST.), DEPENDING ON THE TREE FELLING DATE""; ""ABSTRACT""; ""RECENT DEVELOPMENTS""; ""LARGE SCALE RESEARCH""; ""FOCUSING ON ONE REPRESENTATIVE SITE""; ""TESTS ON WATER SORPTION (AFTER DRYING)""; ""COMPLEMENTARY TESTS ON COMPRESSION STRENGTH""; ""COMPLEMENTARY TESTS ON CALORIMETRY""; ""CONCLUSION""; ""ACKNOWLEDGMENTS""
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 ""CHAPTER 4. EXPLORATION OF FOREST VEGETATION WITH DYNAMIC MODELING, GIS AND REMOTE SENSING""; ""ABSTRACT""; ""1. INTRODUCTION""; ""2. GIS FOR FOREST MANAGEMENT AND PROTECTION""; ""3. REMOTE SENSING FOR FOREST MANAGEMENT AND PROTECTION""; ""4. GPS FOR FOREST MANAGEMENT AND PROTECTION""; ""5. MODELING FOR FOREST MANAGEMENT AND PROTECTION""; ""6. A CASE STUDY: USING GIS AND DYNAMIC MODELING TO STUDY THE SUCCESSION OF A NORWAY SPRUCE FOREST""; ""CONCLUSION""; ""ACKNOWLEDGEMENT""; ""REFERENCES""; ""CHAPTER 5. VITAMIN C AS A STRESS BIOINDICATOR OF NORWAY SPRUCE: A CASE STUDY IN SLOVENIA""
 ""ABSTRACT""
 ""1. INTRODUCTION""; ""2. MATERIAL AND METHODS""; ""2.1. Study Area and Sampling Procedures""; ""2.2. Biochemical Analysis""; ""2.3. Statistical Analysis""; ""3. RESULTS""; ""3.1. Mean Annual Contents of Vitamin C in Spruce Needles""; ""3.2. Correlation Analysis""; ""CONCLUSION""; ""ACKNOWLEDGEMENT""; ""REFERENCES""; ""INDEX""

Sommario/riassunto

In this book, the authors present current research in the study of the ecology, management and conservation of spruce. Topics discussed include Norway spruce picea abies regeneration and canopy disturbance in a carpathian subalpine forest; uncultured archaea in spruce rhizospheres and mycorrhizas; reversible variations in some wood properties of Norway spruce depending on the tree felling date; Vitamin C as a stress bioindicator of Norway spruce and landscape spruce planning management.