

# **CONTENTS**

<b>Summary</b>	iii
<b>Zusammenfassung</b>	v
<b>CHAPTER 1: General introduction</b>	1
<b>CHAPTER 2: Vascular plants as surrogates of butterfly and grasshopper diversity on two Swiss subalpine summer pastures</b>	15
<b>CHAPTER 3: Shrub encroachment affects the diversity of plants, butterflies and grasshoppers on two Swiss subalpine pastures</b>	35
<b>CHAPTER 4: Effects of the grass-shrub mosaic on species richness of plants, butterflies and grasshoppers on a Swiss subalpine pasture</b>	55
<b>CHAPTER 5: Pantha rei: Phosphorus distribution by dairy cattle on a heterogeneous subalpine pasture</b>	75
<b>CHAPTER 6: General discussion</b>	93
<b>ACKNOWLEDGMENTS</b>	103
<b>APPENDIX</b>	105
<b>CURRICULUM VITAE</b>	141