

Arbuscular mycorrhiza and ectomycorrhiza are two most common types of mycorrhizal symbiosis formed by different fungal groups. This bachelor thesis addresses their interactions, which can take place in dual hosts, plants that form both types of mycorrhiza simultaneously, at habitats where host plants of the two mycorrhizal types coexist. Arbuscular mycorrhizal fungi and ectomycorrhizal fungi can compete for the colonization of the roots of dual hosts and for nutrients resources in soil. Physiological and ecological differences between both fungal groups can affect the results of the competition, together with a range of factors, such as soil moisture, nutrient content, pollution and the identity of the host plant. Interaction of arbuscular mycorrhizal fungi and ectomycorrhizal fungi may affect the survival and growth of dual hosts and influence competition between different plant species.