

Abstract:

This diploma thesis examines factors that have affect on the forest bird communities in managed and unmanaged forests in the Slovakian mountains Vtáčnik. The research was conducted by a line method based on three different stages of forest succession in pure beech and mixed stands. The highest abundance and species richness was found in the old unmanaged stands. Abundance and the species richness in managed stands at the age of 60 and 90 years did not show any significant difference. In conclusion, this thesis noted that the main factors affecting bird communities were tree height variability, amount of understory and the presence of dead wood.