

**Theme: Basis for conservation assessment of Plant diversity of dry basic habitats within the forest environment in the Doksy region**

**Abstract:**

The subject of present study is high species richness of vascular plants on localities of dry basic habitats in Doksy region. These habitats are enclosed by nutrient-poor habitats of coniferous forests, restricted to small areas and spatially isolated. The dry basic habitats represent highly valuable areas for nature conservation due to high  $\alpha$ -diversity and occurrence of rare plant species with scarce populations within flora of Czech Republic. The aim of study is to collect and review known data about dry basic habitats of Doksy region and their biodiversity. Consequently find optimal approaches in analysis of biodiversity and approach in interpretation for nature conservation. Actual status of flora and vegetation depends on environmental factors, biotic interaction, evolution and historic development. The perspective theoretical approach in species diversity analysis shows the species-pool hypothesis (Taylor et al. 1990) which sorts and describes these factors.

**Keywords:** biodiversity, vascular plants, Doksy region, species-pool hypothesis, nature conservation