

Papp, V. (2015): Taxonomy and conservation status of the lignicolous basidiomycetes in Juhdöglő-völgy Forest Reserve. PhD dissertation - THESIS. PhD School of Horticultural Science, Budapesti Corvinus Egyetem, Budapest

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Short reference: Papp (2015)

First author: Papp Viktor

Year: 2015

Abstract:

The age or the naturalness of the forest is often thought to be indicated by the structure of the forest; however, this does not necessarily show the degree of biodiversity of the habitat. It is also possible to conclude the age of the forests by assessing the diversity of the different groups of organisms (e.g. mosses, insects, fungi). The presence or absence of some taxa, and the density of the populations may be markers for the indication of habitat naturalness. One of these key groups is represented by the lignicolous macrofungi, considering that it is necessary to preserve the forests in their natural state for the presence and maintenance of some taxa.

The list assembled by CHRISTENSEN et al. (2004) contains 21 lignicolous macrofungi species, and is widely used by the mycologists of several European countries as an indicator of the natural state of beech forests. Until now, 16 species from these have been found in the core area of Juhdöglő-völgy Forest Reserve. Hence, the „ancient beech forest” habitat of the forest reserve, despite its small size, belongs to the most valuable beech forests of Europe, from the mycological point of view

biodiversity: fungus, lichen

deadwood

habitat: oak-hornbeam forests, beech forests

habitat: open/dry oak forests

nature conservation

Location: ER Archívum - digitális

Strict forest reserves: [Juhdöglő-völgy Forest Reserve](#) [Eszőlő \(2015\) Taxonomy](#)
[basidiomycetes in Juhdöglő](#)

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Katalógusbavétel időpontja: 2022-07-24