

SUMMARY

Lignicolous pyrenomycetes and their anamorphs on selected localities in the České Švýcarsko National Park (Northern Bohemia)

Key words: ascomycetes, pyrenomycetes, mitosporic fungi, diversity of species, ecology, České Švýcarsko National Park

Lignicolous pyrenomycetes and related mitosporic fungi on deciduous and coniferous wood of eleven localities in the České Švýcarsko National Park were investigated during 2003-2005. 112 species were observed, 11 of them were found both in anamorphic and teleomorphic stage. Detailed description of major part of these species is added. Single-ascospore isolates were obtained from two species (*Xylomelasma sordida* and *Togniniella acerosa*). 100 indeterminated specimens from PRM collection, mostly collected by M. Svrček and R. Podlahová in České Švýcarsko were also treated. From these herbaria specimens 32 species of lignicolous ascomycetes were determined.

Further ecological data of microhabitat preferences of observed species were also noted and ecological groups based on substrate preferences are discussed. The distribution of lignicolous pyrenomycetes and related mitosporic fungi on studied localities is evaluated and compared each other.

13 species are probably reported for Czech Republic for the first time: *Apiorhynchostoma altipetum*, *Blistum ovalisporum*, *Camarops pugillus*, *Cephalotheca purpurea*, *Ceratosphaeria rhenana*, *Crassochaeta fusispora*, *Dactylaria chrysosperma*, *Endoxyla operculata*, *Lophiostoma nucula*, *Lophiotrema boreale*, *Nitschkia parasitans*, *Sporidesmium pedunculatum*, *Togniniella acerosa*.