

CONTRIBUTION TO THE KNOWLEDGE OF MACROFUNGI IN THE SLOVENSKÝ RAJ MTS., CEROVÁ VRCHOVINA MTS. AND VEPORSKÉ VRCHY MTS.

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Súhrn: *Príspevok k poznaniu makroskopických húb Slovenského raja, Cerovej vrchoviny a Veporských vrchov.* Počas troch mykologických exkurzií v roku 2008 boli navštívené tri lokality na strednom Slovensku. Na území Slovenského raja sa zdokumentovalo 17, v Cerovej vrchovine 40 a v Národnej prírodnej rezervácii Dobročský prales 147 taxónov makroskopických húb. Zoznam týchto taxónov (druhov a vnútrodruhových taxónov) je uvedený v článku.

Key words: Slovakia, Ascomycota, Basidiomycota, diversity

Introduction

In the year 2008 the Swedish Mycological Society organized a field foray to Slovakia. Besides others, forest habitats in three areas of Slovakia were visited: the locality near the village of Drňa (Cerová vrchovina Mts.), Dobročský prales Nature Reserve (Veporské vrchy Mts.) and the locality in the vicinity of saddle Besník (Slovenský raj Mts.).

Mycological research in the Cerová vrchovina Mts. has been carried out mainly by Mihál (1995, 1997, 2006), some data were published also by Ripková et al. (2007). Records from the Dobročský prales Nature Reserve were published by Glejdura (2002) and the research in the Slovenský raj Mts. was carried out by Kult (1989) and Lazebníček (1985). Intensive inventory researches usually bring some new taxa for investigated area and presented research brought several taxa of macrofungi that has not been published from visited areas before.

Material and methods

All available data from the field notes of the collectors were used. However, many records lack information e.g. about substrate, name of collector or determinator. Many species were recorded without voucher specimen, in the list they are noted as „not“. If not stated other, collections marked as „not“ were identified and recorded by authors. Voucher specimens are deposited at SAV and BRA herbaria. The abbreviations of the herbaria are in accordance with Vozárová (2001). Geographical coordinates present the position of the localities. Nomenclature of fungi follows the work by Lizoň, Bacigálová (1998); names of taxa not listed in that checklist were accepted as posted in the Index fungorum (Kirk 2010) and are marked by asterix (*).

The list of recorded taxa

Slovenský raj Mts., saddle **Besník**, locality ca 3 km NE of the city Telgárt, N48°51'46.5", E20°13'39.8", 998 m a. s. l., grazed grassland – 10. 10. 2008.

Bovista nigrescens grazed grassland, alt. ca 950 m, leg. B. Gahne, det. M. Jeppson (BRA); *B. plumbea* (not.); *Calvatia utriforme* leg & det. M. Jeppson (not.); *Chalciporus piperatus* (not.); *Hygrocybe pratensis* leg. & det. A. & B. Nilsson (SAV); *H. psittacina* grassland, alt. ca 400 m, leg. & det. A. & B. Nilsson (BRA); *H. virginea* var. *fuscescens** grassland, leg. & det. A. & B. Nilsson (BRA); *H. virginea* alt. ca 400 m, leg. & det. A. & B. Nilsson (SAV); *Inocybe flocculosa* grassland under *Picea*, alt. ca 950 m, leg. M. Jeppson, det. E. Larsson (SAV); *Lactarius deterrimus* (not.); *Lepista panaeolus* (deposited as *L. luscina*), alt. ca 950 m, leg. B. Gahne, det. B. Nilsson (SAV); *Marasmius oreades* (not.); *Psilocybe semilanceata* grazed grassland, leg. & det. M. Jeppson (SAV); *Stropharia albonitens** (not.); *Stropharia inuncta* grassland, leg. & det. A. & B. Nilsson (SAV); *Stropharia pseudocyanea** grazed grassland, alt. ca 950 m, leg. M. Jeppson (SAV); *Xerocomus pruinatus* (not.).

Cerová vrchovina Mts., The locality ca. 2.7 km NEE of the church in the village of Drňa, meadow and part of adjacent forest formed mainly by *Carpinus betulus*, *Corylus avellana*, *Prunus spinosa* and *Ulmus* sp., N48°15'58.6", E20°09'07.2", ca. 210 m a. s. l., 3.10.2008.

*Conocybe brunnea** det. L. Nagy (not.); *C. dumetorum* det. L. Nagy (not.); *C. juniana** det. L. Nagy (not.); *C. macrocephala** det. L. Nagy (not.); *C. mairei** det. L. Nagy (not.); *C. microspora** det. L. Nagy (not.); *Coprinellus impatiens** det. L. Nagy (not.); *Coprinus atramentarius* (not.); *Cortinarius purpurascens* (not.); *Cyathus olla* (not.); *C. striatus* (not.); *Gastrum fimbriatum* (not.); *Gymnopus dryophilus* (not.); *Hebeloma sinapizans* (not.); *Hygrocybe virginea* var. *ochraceopallida** (not.); *Hypholoma capnoides* (not.); *Inocybe dulcamara* det. E. Larsson (not.); *I. flocculosa* det. E. Larsson (not.); *I. geophylla* det. E. Larsson (not.); *I. maculata* det. E. Larsson (not.); *Lepiota cristata* (not.); *Leucoagaricus leucothites* (not.); *Lycoperdon perlatum* (not.); *Macrolepiota procera* (not.); *Marasmius cohaerens* (not.); *M. oreades* (not.); *Mycena haematopus* (not.); *M. pseudopicta** leg. V. Kučera (SAV); *M. pura* (not.); *Parasola Schroeteri** det. L. Nagy, (not.); *Paxillus involutus* (not.); *Polyporus varius* (not.); *Psathyrella lutensis** det. L. Nagy (not.); *P. prona* det. L. Nagy (not.); *Rhizopogon roseolus* det. M. Jeppson (not.); *Schizophyllum commune* (not.); *Stropharia coronilla* (not.); *Suillus collinitus* (not.); *Trametes versicolor* (not.); *Tulostoma brumale* leg. V. Kučera, det. M. Jeppson (SAV).

Veporské vrchy Mts., the locality **Dobročský prales** Nature Reserve, ca 7 km SSW of the village Dobroč, virgin forest with old *Abies*, *Fagus*, *Acer* and other trees and adjacent meadow, N48°40'2.7", E19°41'0.6", ca 880 m a. s. l., 7. 10. 2008.

Agaricus luteo-maculatus leg. A. & B. Nilsson, det. T. Knutsson & L. Nagy (BRA); *Amanita battaræ* leg. C. Ingvert (SAV); *A. muscaria* (not.); *Amylocystis lapponica* on *Picea* trunk, leg. & det. A. Molia (SAV); *Antrodia serialis* on *Picea* trunk, leg. B. Wasstorp, A. Pallin (SAV); *Armillaria mellea* complex (not.); *Ascocoryne cylichnium* leg. V. Kučera (SAV); *Auricularia mesenterica* on *Abies*, leg. & det. K. Person (BRA); *Bjerkandera adusta* on *Fagus*, leg. & det. A. Molia (SAV); *Boletus edulis* (not.); *B. pulverulentus* leg. R. Braathen (SAV); *Cantharellus cibarius* (not.); *C. tubaeformis* (not.); *Chalciporus piperatus* (not.); *Chlorociboria aeruginascens* (not.); *Chrysomphalina chrysophyllum* (not.); *Clitocybe nebularis* (not.); *Clitopilus prunulus* (not.); *Coltricia perennis* det. B. Wasstorp (not.); *Conocybe elegans** det. L. Nagy (not.); *C. pseudopilosella* det. L. Nagy (not.); *C. semiglobata* det. L. Nagy (not.); *Coprinopsis cinereofloccosa* det. L. Nagy (not.); *Coprinus atramentarius* det. L. Nagy (not.); *C. xanthothrix* det. L. Nagy (not.); *Cortinarius anomalus* (not.); *C. aureofulvus** det.

L. Nagy (not.); *C. casimiri** (not.); *C. cinnamomeus* in *Fagus* and *Picea* forest, leg. A. Molia (BRA); leg. B. Wasstorp (BRA); *C. croceus* leg. & det. A. Molia (BRA); det. L. Nagy (not.); *C. malicorius* leg. & det. A. –E. Torkelsen (BRA); *C. sanguineus* (not.); *C. semisanguineus* (not.); *C. sommerfeltii** *Fagus* & *Picea* forest, leg. A. Molia, det. B. Gahne (BRA); *C. uliginosus** (not.); *C. umbrinolens* L. Nagy (not.); *Crucibulum crucibuliforme* (not.); *Cudonia confusa* on the ground under *Picea*, leg. & det. A & B. Nilsson (SAV); *Cyathus striatus* (not.); *Cystoderma amianthinum* leg. V. Kučera (SAV); *Datronia mollis* on deciduous tree, leg. K. Person (BRA); *Elaphocordyceps capitata** (not.); *E. ophioglossoides* (not.); *Exidia glandulosa* (not.); *E. pithya* (not.); *Fomitopsis pinicola* (not.); *F. rosea* leg. A. Pallin (SAV); *Gloeophyllum odoratum* leg. & det. K. Person (BRA); *Gomphidius glutinosus* (not.); *Gymnopus acervatus* (not.); *G. confluens* (not.); *G. peronatus* (not.); *Gyromitra infula* leg. V. Kautman (BRA); *Hericium coralloides* on *Picea* trunk, leg. & det. A. Molia (SAV); *Hydnum rufescens* leg. B. Wasstorp (SAV); *Hygrocybe virginea* leg. I. Kautmanová (SAV); *Hygrophorus agathosmus* on *Fagus* trunk, leg. J. Walter (BRA); *H. karstenii* (not.); *H. pustulatus* leg. V. Kučera (BRA); leg. I. L. Walter, det. E. Larsson (SAV); *Hymenoscyphus fructigenus* leg. V. Kučera (SAV); *Hypholoma capnoides* (not.); *Inocybe ochroalba** grassland, leg. E. Larsson (SAV); *Lasiochlaena benzoinum* (not.); *Junghunia collabens* on very rotten *Picea* trunk, leg. & det. A. Molia (SAV); on *Picea* trunk, leg. A. Pallin (SAV); *Laccaria amethystina* (not.); *L. laccata* (not.); *L. proxima* (not.); *L. tortilis* (not.); *Lactarius blennius* (not.); *L. bresadolianus* det. M. Jeppson (not.); *L. glycosmus* (not.); *Lactarius lignyotus* leg. M. Jeppson (SAV); *Lactarius mitissimus* (not.); *Lactarius rufus* leg. & det. B. Wasstorp (BRA); *Lactarius vellereus* (not.); *Lentaria mucida* with algae, leg. V. Kučera (SAV); *Lentinellus castoreus* det. A. Pallin (not.); leg. V. Kautman, det. P. Marstad (SAV); leg. A. Pallin, det. A. Molia (SAV); *L. cochleatus* on *Picea* trunk, leg. T. Kristiansen, det. P. Marstad (BRA); leg. J. Nilsson (SAV); *L. omphalodes* (not.); *Lentinus adhaerens* (BRA); *Lenzites betulina* (not.); *Leucocortinarius bulbiger* (not.); *Leucopaxillus gentianeus* leg. B. Wasstorp (SAV); M. Jeppson (SAV); *Lycoperdon perlatum* (not.); *Lyophyllum connatum* on *Picea* trunk, leg. & det. B. Wasstorp (BRA); *Mycena archangeliana* on *Fagus*, leg. A. Molia, det. A & B. Nilsson (SAV); *M. aurantiomarginata* on *Picea abies*, leg. A. & B. Nilsson (SAV); *M. citrinomarginata* (not.); *M. crocata* (not.); *M. epipterygia* var. *viscosa* (not.); *M. flavoalba* leg. & det. A & B. Nilsson (BRA); leg. E. W. Hanssen (BRA); *M. galopus* (not.); *M. pura* (not.); *M. rosella* (not.); *M. viscosa* (not.); *M. vulgaris* on *Picea* needle, leg. & det. A. & B. Nilsson (SAV); *M. zephirus* in beach litter, on wood, leg. R. Braathen (BRA); *Neobulgaria pura* leg. T. Kristiansen, det. P. Marstad (SAV); *Oligoporus caesius* det. A. Pallin, (not.); *O. fragilis* leg. & det. B. Wasstorp (BRA); leg. & det. P. Marstad (SAV); *Omphalina grossula* on rotten stump, leg. V. Kučera (SAV); leg. R. Braathen (SAV); leg. V. Kautman, det. I. Kautmanová (BRA); *Oxyporus corticola* leg. & det. A. Pallin (SAV); *Phaeocollybia arduennensis** det. L. Nagy (not.); *Phaeolepiota aurea* leg. & det. B. Wasstorp (SAV); *Phanerochaete laevis* (not.); *P. sanguinea* inner part with much dead wood, *Fagus* and *Picea* forest on *Picea* trunk alt.ca 950 m., leg. & det. A. Molia (SAV); *Phlebia centrifuga* det. E. Larsson (not.); *Pholiota flammans* leg. & det. A. –E. Torkelsen (BRA); *P. lenta* (not.); *P. mixta* leg. B. Wasstorp (SAV); *Pluteus cervinus* (deposited as *P. atricapillus*), leg. K. Person (BRA); *P. pellitus* leg. B. Wasstorp, det. T. Knutson (BRA); *Pleurotus ostreatus* (not.); *Psathyrella fibrillosa** (not.); *P. piluliformis* det. L. Nagy (not.); *Pseudohydnum gelatinosum* leg. V. Kučera (BRA); *Pycnoporellus fulgens* on *Picea* trunk, leg. & det. A. Molia (BRA); leg. A. Pallin (SAV); *Rhodocollybia butyracea* (not.); *Rhytisma acerinum* (not.); *Rickenella schwartzii* (not.); *Russula cavipes* (not.); *R. fellea* leg. & det. B. Wasstorp (SAV); *R. mustelina* (not.); *R. nigricans* (not.); *R. nigra* leg. & det. P. Marstad (SAV); *R. ochroleuca* (not.); *R. vesca* (not.); *Schizophyllum commune* leg. & det. B. Wasstorp (BRA); *Scleroderma citrinum* (not.); *Scytinostroma portentosum** on *Fagus* trunk, leg. & det. A. Molia (SAV); *Serpula himantoides* leg. & det. A. Pallin (SAV); *Skeletocutis amorpha* on *Picea* stump, leg. M. Jeppson (BRA); leg. & det. A. Molia (SAV); *S. lenis* on *Picea* trunk, leg. A. Pallin, det. A. Pallin, A. Molia (SAV); *Stereum hirsutum* (not.); *Strobilomyces strobilaceus* det. A. Pallin (not.); leg. J. Nilsson (SAV); *Stropharia caerulea* leg. V. Kautman, det. I. Kautmanová (SAV); *Thelephora terrestris* (not.); *Trametes versicolor* on *Picea* trunk, leg. & det. B. Wasstorp;

Tremella encephala (not.); *T. foliacea* (not.); *Tricholoma saponaceum* (not.); *T. vaccinum* (not.); *Tricholomopsis rutilans* leg. V. Kautman, det. I. Kautmanová (BRA); *Xerocomus badius* (not.); *X. pruinus* leg. & det: B. Wasstorp (BRA); *Xylaria hypoxylon* leg. E. Pisarčíková (SAV); *X. polymorpha* leg. & det. T. Kristiansen (SAV).

Conclusions

During the field forray of the Swedish Mycological Society, besides others, three localities in the central Slovakia were visited. One was in the Slovenský raj Mts. – the saddle of Besník, one in the Veporské vrchy Mts. – Dobročský prales Natural reserve and one in the Cerová vrchovina Mts. – locality near village of Drňa. 17 taxa of macromycetes in the Slovenský raj Mts., 40 taxa in the Cerová vrchovina Mts. and 147 taxa in the Veporské vrchy Mts. were identified. Of the species not included in the latest version of the Checklist (Lizoň, Bacigálová 1998) 3 were found at Slovenský raj Mts. – *Hygrocybe virginea* var. *fuscescens*, *Stropharia albonitens* and *S. pseudocyanea*; 10 at the Cerová vrchovina Mts. – *Conocybe brunnea*, *C. juniana*, *C. macrocephala*, *C. mairei*, *C. microspora*, *Coprinellus impatiens*, *Hygrocybe virginea* var. *ochraceopallida*, *M. pseudopicta*, *Parasola schroeteri*, *Psathyrella lutensis*; and 10 at Veporské vrchy Mts. – *Conocybe elegans*, *C. aureofulvus*, *C. casimiri*, *C. sommerfeltii*, *C. uliginosus*, *Elaphocordyceps capitata*, *Inocybe ochroalba*, *Phaeocollybia arduennensis*, *Psathyrella fibrillosa*, *Scytinostroma portentosum*.

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