

Data to the Knowledge of the Microscopic Fungi in the Forests around Budakeszi (Buda Hills, Hungary)

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The aim of this study is to summarize the fungal data collected by the authors in the territory of the forest Budakeszi near Budapest, since 1995–2001. A total of 177 fungi (150 species) was enumerated from the forests around Budakeszi. The presence of *Physarum bitectum* is the first data from Hungary. A rarely rust, *Puccinia komarovii* has appeared year by year in high quantity on *Impatiens parviflora* in the Virág-völgy. Another widespread rust was *Puccinia conii* on *Conium maculatum*, that was known as a member of the mycoflora of this area 180 years ago.

Keywords: Mycoflora, twigs, leaves.

The mountains of Buda, covered by the forests around Budakeszi, are nearly located to the urbanistic area of the Hungarian capital, Budapest. Its border area is growing against the forests. Our knowledge about the wildlife of this area is incomplete, especially about its mycoflora, what was summarized by Moesz, 1942. The aim of the following study is to complete the data.

Materials and Methods

The number of the data means the registration number of the data in the second authors record, showing that the material was settled into the collection of in the Hungarian Natural History Museum, Department of Botany. The listed data was collected and identified by the authors (AA, 1973; Allescher, 1901; Bánhegyi et al., 1985–1987; Barnett and Hunter, 1972; Blumer, 1967; Braun, 1998; Breitenbach and Kranzlin, 1981; Cetto, 1991; Dennis, 1978; Diederich, 1915; Ellis, 1971; Ellis, 1976; Ellis and Ellis, 1985; Gämänn, 1959; Gvritisvili, 1932; Husz, 1951; Ing, 1999; Ju and Rogers, 1996; Lindau, 1910; Lister and Lister, 1925; Martin and Alexopoulos, 1969; Miller, 1961; Moesz, 1926; Pénzes, 1927; Sutton, 1980; Tóth, 1950; Traverso, 1906–1913; Wehmeyer, 1973). In different cases the name of collector or identifier will be referred (D. M., S. T.). The spore and conidium size shall be noted, when they differs with the earlier published ones. The

authors collected living or dead plant materials, twigs and barks, leaves, decaying wood as substrate showing the signs of fungal activity (leaf spots and leaf litters, fruit corpse), not using any cultivation methods.

Results

Table 1 summarizes the data of the collection.

Myxomycetes

Arcyria denudata (L.) Wetst. – on rotting twigs, Makkosmária, 15. 6. 1997., sp. 7.5–8 µm diam.

Arcyria incarnata (Pers.) Pers. – 15175. on rotting bark of *Carpinus betulus* L., Irhás-árok, 17. 9. 1995., sp. 7.2–8.5 × 7.2–7.5 µm

Ceratomyxa fruticulosa Macbr. – 13939. *Quercus* sp., on dead wood, Hárbokor-hegy, 13. 6. 1989., leg., det. S. T.

Fuligo septica (L.) Wigg. – 13940. *Quercus* sp., on dead wood, Hárbokor-hegy, 13. 6. 1989., leg., det. S. T.

Lycogala epidendrum Fr. – 13941. *Quercus* sp., on dead wood, Hárbokor-hegy, 13. 6. 1989., leg., det. S. T.

Metatrichia vesparium (Batsch.) Nann.-Brem. – 14012. *Quercus* sp., on rotting wood, Szénás-zug, 19. 12. 1989., leg., det. S. T.

Perichaena depressa Libert – 15151. on dead bark and leaves of *Carpinus betulus* L., in Virág-völgy, 22. 7. 1995., sp. 7.2–8.3 µm diam.

Physarum bitectum G. Lister – 15147. on the inner side of the bark of a hewed trunk of *Populus* sp., Virág-völgy, 22. 7. 1995., sp. 12–12.8 µm diam.

Trichia scabra Rost. – 14013. *Quercus* sp., on rotting wood, Szénás-zug, 19. 12. 1989., leg., det. S. T.

Phycomycetes

Rhizopus nigricans (Ehr. ex Fr.) Lind. – *Loranthus europaeus*, on rotting twigs Sötét-vágás (in Farkas-völgy), 12. 09. 1996.

Peronospora galligena Blumer – 14947. *Alyssum saxatile* L., Budai-hegység, 5. 1988., leg. Sz. Priszter, det. S. T.

Ascomycetes

Anthracobia macrocystis (Cooke) Boud – on burnt ground, Máriamakk, 13. 07. 1997.

Table 1
Summarized data on the collected fungi

	Myxomycetes	Phycomycetes	Ascomycetes	Ascomycetes Discomycetes	Ascomycetes Pyrenomycetes	Ascomycetes Loculoascom.	Plectomycetes	Ascomycetes Sum	Basidiomycetes	Basidiomycetes Deuteromycetes	Sum
Substrate											
saprotrophic	9	2	5	32	26	0	63	1	42	117	
On ligneous parts	9	1	1	32	3	0	36	1	19	66	
On green parts	0	1	4	0	23	0	27	0	23	51	
Parasitic	0	0	1	0	0	8	9	30	16	55	
Others	0	0	1	2	0	0	3	0	2	5	
Sum (records)	9	2	7	34	26	8	75	31	60	177	
Sum (species)	9	2	7	26	20	8	61	22	56	150	

Bulgaria inquinans Fr. – on dead barks of hewed trunks of *Quercus* sp., Csillebér, 13. 07. 1997., sp. $10.5-12 \times 7.5 \mu\text{m}$

Calosphaeria pulchella (Pers.) Schröt. – under the bark of the trunks of *Cerasus vulgaris* Mill., Virág-völgy, 18. 10. 1997., sp. $6 \times 1.5 \mu\text{m}$,

Cryptosphaeria eunomia (Fr.) Fuck. – on bark of dead branches of *Fraxinus* sp., Sötét-vágás (Farkas-völgy), 23. 06. 1995., ascus: $52.5 \times 10.5 \mu\text{m}$, sp. $13.5-18 \times 3.3-3.5 \mu\text{m}$

Dasyscyphus palearum (Desm.) Massee – *Poaceae* sp, abandoned vineyard near Budakeszi, 2. 6. 2000., sp. $7.3-10 \times 2.5 \mu\text{m}$, leg. det. D. M.

Diaplella clivensis (Berk. et Br.) Munk – *Centaurea* sp., abandoned vineyard near Budakeszi, 2. 6. 2000., sp. $20-22.5 \times 7-8.7 \mu\text{m}$, ascus: $11.3 \times 7.5 \mu\text{m}$, leg., det. D. M.

Diatrype disciformis (Hoffm.) Fr. – 15340. *Fagus sylvatica* L., dead twigs cort. Irhás-árok, 16. 9. 1995., Csillebér, 13. 07. 1997.

Diatrype stigma (Hoffm.) Fr. – 15137. *Acer* sp., dead twigs cort. Farkas-völgy, 23. 6. 1995., Máriamakk, 13. 8. 1996. Virág-völgy, 18. 10. 1997 – 14026., *Quercus* sp. Szénás-zug, 19. 12. 1989., leg., det. S. T. – 14079. *Pyrus achras* Gartm., dead twigs cort., Szénás-zug, 19. 12. 1989., leg., det. S. T.

Diatrypella quercina (Pers.) Nitschke – 15136. *Quercus* sp., dead twigs cort., Farkas-völgy, 23. 6. 1995., sp. $7.5-10.5 \times 2.3-3 \mu\text{m}$

Diatrypella verruciformis (Ehrh.) Nitschke – 15339. *Corylus avellana* L., dead twigs cort., Kakukk-hegy, 16. 9. 1995., det. S. T. – 14011 *Quercus* sp. dead twigs cort., Szénás-zug, 19. 12. 1989., leg., det. S. T.

Endoxyla cirrhosa (Pers.) v. Arx et E. Müller – 13938/a. 14011. *Quercus* sp. On putr. wood, Hárzbokor-hegy, 13. 6. 1989.

Entodesmium niessleanum (Rabenh.) L. Holm – *Lathyrus latifolius* L., abandoned vineyard near Budakeszi, 2. 6. 2000., ascus: $90 \times 11.25 \mu\text{m}$, sp. $30-32.5 \times 5 \mu\text{m}$

Erysiphe artemisiae Grev. – 15828. *Artemisia vulgaris* L., Sötét-vágás, 12. 9. 1996.

Erysiphe cichoracearum D.C. – 15149. *Lactuca serriola* L., Virág-völgy, 22. 7. 1995.

Erysiphe communis (Wallr.) Link. – *Sisymbrium strictissimum* L., between Máriamakk and Végvár-szikla, 13. 8. 1997.

Erysiphe heraclei D.C. ex Saint Amans – on leaves of *Heracleum sphondylium* L., Máriamakk, 13. 8. 1997.

Erysiphe mayorii Blumer – *Cirsium arvense* (L.) Scop., Sötét-vágás, 12. 9. 1996.

Eutypella exigua Ellis et Everh. – *Fagus sylvatica* L., Csillebér, 12. 9. 1996 ascus: $20-25 \times 2.5-3 \mu\text{m}$, sp. $3.75-5 \times 1.25$, ostiolum: $950 \times 125 \mu\text{m}$

Eutypella grandis (Nitschke) Sacc. – 15123. on the bark of dead branches of maple tree (*Acer* sp.), Farkas-völgy, 23. 6. 1995., sp. $8.3-10.5 \times 2.3-3 \mu\text{m}$

Eutypella ludibunda (Sacc.) Sacc. – 14302. *Fraxinus excelsior* L. on dead wood, Hárbsokor-hegy, 15. 5. 1990., leg., det. S. T.

Eutypella stellulata (Fr.) Sacc. – 15336. *Ulmus* sp. dead twigs cort. Virág-völgy, 22. 7. 1995., det. S. T.

Hypoxyton cohaerens (Pers.) Fr. – 15143. on the bark of the dead branches of *Fagus sylvatica* L., Virág-völgy, 22. 7. 1995., ascus: $66-75 \times 5.3-6 \mu\text{m}$, sp. $9-9.5 \times 4.5-5.5 \mu\text{m}$.

Hypoxyton fragiforme (Pers.) Kickx – *Fagus sylvatica* L., Máriamakk, 13. 8. 1997.

Hysterographium flexuosum (Schweinitz) Sacc. – *Vitis vinifera* L., abandoned vineyard near Budakeszi, 2. 6. 2000., sp. $30-37.5 \times 13.75-15 \text{ mm}$. det. D. M.

Keissleriella culmifida (Karst.) Bose – *Poaceae* sp., abandoned vineyard near Budakeszi, 2. 6. 2000., sp. $20-22.5 \times 5 \text{ m}$, ascus: $100 \times 12.5 \text{ m}$ det. D. M.

Leptosphaeria alliariae (Auersw.) Rehm. – 14072. *Alliaria petiolata* (M. B.) Cav. et Grande, on dead stems, Szénás-zug, 19. 12. 1989., leg., det. S. T. sp. $34.5-39 \times 5.7-6 \mu\text{m}$

Leptosphaeria maculans (Desm.) Ces. et de Not. – *Erysimum odoratum* Ehrh., on dead stems, Hárbsokor-hegy, near Budakeszi, 5. 4. 1989., leg., det. S. T. sp. $51-55 \times 7.5-8.7 \mu\text{m}$ – 14730., 8. 7. 1992., leg., det. S. T.

Leptosphaeria ogilviensis (B. et Br.) Ces. et de Not. – *Centaurea* sp., abandoned vineyard near Budakeszi, 2. 6. 2000., sp. $45-58.7 \times 7.5 \mu\text{m}$, ascus: $137.5 \times 12 \mu\text{m}$

Lophiostoma caulinum (Fr.) Ces. et de Not. – 13728. *Fumana procumbens* (Dun.) Gr. et Godr., dead twigs cortif., Odvas-hegy, 29. 5. 1959., leg., det. S. T.

Lophodermium culmigenum (Fr.) de Not. – on dead leaves of *Sesleria budensis* (Borb.) A. et G., Tündér-szikla, 18. 10. 1997.

Microsphaera alphitoides Griff. et Maiubl. – on the leaves of young *Quercus* sp., János-hegy, 18. 10. 1997.

Microsphaera berberidis (D. C. ex Mér.) Lév. – 15209. *Berberis vulgaris* L., Ördög-orom, near graveyard Farkasréti-temető, 16. 9. 1995., asci: $49.5-60 \times 52-33 \mu\text{m}$

Nectria cinnabarinina (Tode.) Fr. – 15245. on bark of dead branches of *Carpinus betulus* L., Irhás-árok, 16. 09. 1995., Máriamakk, 12. 09. 1996.

Nectria coccinea (Pers.) Fr. – 15172. on dead branches of *Fagus sylvatica* L., Irhás-árok, 16. 09. 1995., on dead branches of *Qercus* sp., Virág-völgy, 18. 10. 1997., sp. $12.8-15.3 \times 4.8-5.7 \mu\text{m}$

Nectria episphaeria (Tode ex Fr.) Fr. – on the dark stroma of *Diatrype stigma* (Hoffm.) Fr., Virág-völgy, 22. 7. 1995., Virág-völgy, 18. 10. 1997.

Nodosphaeria septemcellulata (Müll.) L. Holm – 15085. *Clematis recta* L. on dead stems, Út-hegy near Budaörs, 10. 3. 1990., leg. S. T. and K. Penksza, sp. $34.5-43 \times 4.5-5.5 \mu\text{m}$, 5-6 sept.

Ophiobolus ponticus Petr. – 15819. *Centaurea* sp., on dead caul., in abandoned vineyard near Budakeszi, 2. 6. 2000., sp. 92.5–115 × 5 µm, ascii: 117–165 × 10–12 µm.

Ophiognomonia melanostyla (D. C.) Sacc. – 13231. *Tilia* sp., on dead leaves, Kakukk-hegy, leg. J. Bánhegyi, det. S. T., 24. 4. 1942.

Otthia spiraeae (Fuck.) Fuck. – on the bark of the dead branches of *Acer* sp., Farkas-völgy, 23. 6. 1995., Sötétvágás, 12. 9. 1996. ascii: 165 × 17.3 µm, sp. 24–28.5 × 13.5–15 µm

Pezicula carpinea (Pers.) Tul. – 15332. *Carpinus betulus* L., dead twigs, Farkas-völgy, 12. 9. 1996., ascii: 150–180 × 19.5–22.5 mm, sp. 21–25.5 × 9.3–12 µm

Phaeosphaeria eustoma (Fuck.) L. Holm – 14448. *Stipa eriocaulis* Borb., dead leaves, Hárbsbokor- hegyl, 15. 5. 1990., leg., det. S. T., sp. 24.8–32 × 9.5–11.3 µm

Phaeosphaeria herpotrichoides (de Not.) L. Holm – *Poaceae* sp., abandoned vineyard near Budakeszi, 2. 6. 2000., sp. 30–37 × 2.5–5 µm, ascii: 92 × 10 µm

Phaeosphaeria pleurospora (Niessl.) Leuchtm. – *Sesleria budensis* (Borb.) A. et G., dead leaves, Tündér- szikla, 18. 10. 1997.

Physalospora montana Sacc. – 15708. *Sesleria budensis* (Borb.) A. et G., dead leaves, Tündér- szikla, 16. 3. 1998., leg., det. S. T. sp. 12.3–17 × 6–6.8 µm

Pirottaea brevipila (Rob.) Boud. – *Centaurea* sp., abandoned vineyard Budakeszi, 2. 6. 2000.

Pleospora herbarum (Pers.) Rabenh. – 13901. *Erysimum odoratum* Ehrh., on dead stems, Hárbsbokor-hegyl, 5. 4. 1989., leg., det. S. T., – 14689 *Erysimum odoratum* Ehrh., on dead stems, Hárbsbokor-hegyl, 8. 7. 1992., leg., det. S. T., – 14745. *Serratula radiata* (W. et K.) M. B., dead stems, Csiki-hegyek, 18. 7. 1992., leg., det. S. T., *Phyteuma orbiculare* L., dead stems, Ördög-orom, 2. 6. 1959., leg., det. S. T. – 14733. *Lathyrus latifolius* L., abandoned vineyard near Budakeszi 2. 6. 2000., sp. 12.5–15 × 32.5–35 µm

Pleospora lactucicola Ell. et Ewerh. – 14724. *Erysimum odoratum* Ehrh., on dead stems, Hárbsbokor-hegyl, 8. 7. 1992., leg., det. S. T., sp. 3–5 sept. tr., 18.3–22.5 × 7.8–9 µm (3 sept.) 18.8–22.5 × 7.5–9.3 µm (5 sept.)

Pleospora pellita (Fr.) Rabenh. var. bardanae (Niessl.) Wehm. – *Centaurea* sp., abandoned vineyard near Budakeszi, 2. 6. 2000., sp. 12.5–20 × 6.25–10 µm

Pleospora scrophulariae (Desm.) v. Höhn. – 14738. *Serratula radiata* (W. et K.) M. B., dead stems, Csiki-hegyek, 18. 7. 1992., leg., det. S. T., – *Chenopodium* sp., abandoned vineyard near Budakeszi, 2. 06. 2000., sp. 17.5–30 × 12.5–15 µm.

Pseudovalsa lanciformis (Fr.) Ces. et de Not. – *Betula pendula* Roth., on bark of dead branches, Virág-völgy, 22. 7. 1995., det. S. T., sp. 39–45 × 12.8–15 µm

Pseudovalsa umbonata (Tub.) Sacc. – 15335. *Quercus pubescens* Willd., dead twigs cortific., Ördög-orom, 16. 9. 1995., det. S. T., sp. 44.2–55.5 × 16–17 µm

Quaternaria quaternata (Pers. ex Fr.) Schröt. – *Fagus sylvatica* L., Virág-völgy, 18. 10. 1997., sp. 16.5–19.5 × 3–3.3 µm.

Rhytidisma acerinum (Pers.) Fr. – on living leaves of *Acer campestre* L., Máriamakk, 13. 8. 1997.

Rosellinia aquila (Fr.) de Not. – on rotting branches of *Quercus* sp., Virág-völgy, 18. 10. 1997.

Scopinella solani Zuck. – *Vitis vinifera* L., abandoned vineyard near Budakeszi, sp. 6 × 5 µm, 2. 6. 2000.

Sepultaria arenosa (Fuck.) Boud. – 13232. on soil, Hűvös-völgy, 8. 9. 1940., leg. J. Bánhegyi, det. S. T.

Sphaerotheca macularis (Wallr.) Magn. – on leaves of *Agrimonia eupatoria* L., Sötét-vágás, 12. 9. 1996.

Valsa cypri Tul. – 15346. *Fraxinus* sp. dead twigs corticif., Irhás-árok, 16. 9. 1995. det. S. T.

Valsaria insitiva (De Not.) Ces. et De Not. – on dead branches of oak tree (*Quercus* sp.), Virág-völgy, 18. 10. 1997., det. S. T., sp. 18.5–18.7 × 8–9 µm

Xylaria hypoxylon (L.) Grev. – on rotting twigs, Irhás-árok, 16. 9. 1995.

Basidiomycetes

Coleosporium tussilaginis (Pers) Lév. – on leaves of *Tussilago farfara* L., János-hegy, 22. 7. 1995.

Cronartium asclepiadeum (Fr) Willd. – 15815. on the leaves of *Vincetoxicum hirudinaria* Medic., Máriamakk, 12. 9. 1996.

Cyathus striatus Huds. et Pers. on dead twigs, Máriamakk, 13. 8. 1997.

Endophyllum sempervivi (Alb. et Schw.) de Bary – 13233. *Sempervivum* sp., on leaves, Szénás-zug (in garden), 30. 4. 1986., leg., det. S. T.

Phragmidium potentillae (Pers.) Karst. – 14877. *Potentilla neglecta* Baumg., Csíki-hegyek, 18. 7. 1992.

Phragmidium rosae-pimpinellifoliae (Rabenh.) Diet. – 15216. *Rosa* sp., Ördög-orom, 16. 9. 1995., teliosp. 69–100.5 × 28.5–31.5 µm

Phragmidium sp. – *Rosa* sp., Budakeszi, Mezei M. street, 2. 6. 1997.

Puccinia antirrhini Diet. et Holw. – 15206. *Antirrhinum majus* L., in a garden near Irhás árok, 16. 9. 1995., uredosp. 21–25.5 × 18–20.5 µm, teliosp. 36–46.5 × 22.3–22.5 µm

Puccinia arenariae (Schum.) Wint. – 15817. *Moehringia trinervia* L., next the tourist tacks from Budakeszi to János-hegy, 2. 6. 1997. – 15820., János-hegy, 30. 6. 1997.

Puccinia artemisiella Syd. – 15212. *Artemisia vulgaris* L., Ördög-orom, next the graveyard Farkasréti-temető, 16. 9. 1995., Máriamakk, 13. 8. 1997., Budakeszi, 30. 6. 1997., – 15816. Farkas-völgy, 12. 9. 1996.

Puccinia cichorii (D. C.) Bellynck – *Cichorium intybus* L., Irhás-árok, 15. 9. 1996.

Puccinia conii (Strauss) Fuck. – 15822. on dead stems of *Conium maculatum* L., on the road from Sötét-vágás to Irhás-árok, 16. 9. 1995., teliosp. $33\text{--}34 \times 18\text{--}20 \mu\text{m}$

Puccinia coronifera Kleb. – *Rhamnus chatarcticus* L., abandoned vineyard near Budakeszi, 2. 6. 2000., uredosp. $17.5 \times 22.5 \mu\text{m}$

Puccinia graminis Pers. – 15211. *Agropyron intermedium* (Host) P. B., Ördög-orm, 16. 9. 1995., teliosp. $40.5\text{--}54 \times 19.5\text{--}24 \mu\text{m}$

Puccinia komarovii Tranzschel Ran – 15154. *Impatiens parviflora* DC., Virág-völgy, 22. 7. 1995., 13. 8. 1997., teliosp. $28.5\text{--}40.5 \times 18\text{--}21 \mu\text{m}$

Puccinia lampsanae (Schultz) Fuck. – 15814. *Lapsana communis* L., Végvár-szikla, 13. 7. 1997., teliosp. $21 \times 18 \mu\text{m}$

Puccinia sii-falcariae (Pers.) Schröt. – *Falcaria vulgaris* Bernh., abandoned vineyard near Budakeszi, 2. 6. 2000.

Puccinia suaveolens (Pers.) Rostr. – *Cirsium arvense* (L.) Scop., Mezei M. út, Budakeszi, 10. 6. 1997., 29. 6. 1997., abandoned vineyard near Budakeszi, 2. 6. 2000.

Puccinia taraxaci (Rebentisch) Plowright – 15812. *Taraxacum officinale* Web. ex Wigg., Sötét-vágás, 13. 7. 1997.

Puccinia violae (Schum.) D. C. 15156. on leaves of *Viola hirta* L., Virág-völgy, 22. 7. 1995., uredosp. $21\text{--}25.5 \times 18 \mu\text{m}$, teliosp. $24.8\text{--}30.8 \times 20\text{--}21 \mu\text{m}$

Urocystis floccosa (Wallr.) Hend. – 13905. *Helleborus dumetorum* W. et K., Hársbokor-hegy, 5. 4. 1989., leg. A. Horánszky, det. S. T.

Uromyces fulgens (Hazsl.) Bub. – 15345. *Cytisus nigricans* L., 16. 9. 1995. Ördög-orm, det. S. T., teliosp. $19.5\text{--}23.5 \times 15 \times 18.3 \mu\text{m}$

Uromyces geranii (D. C.) Fr. – *Geranium pusillum* Burm., Végvár-szikla, 13. 7. 1997.

Uromyces scutellatus (Pers.) Lév. – 14140. *Euphorbia cyparissias* L., Hársbokor-hegy, 15. 5. 1990., leg., det. S. T.

Deuteromycetes

Alternaria alternata (Fr.) Keissl. – *Lathyrus latifolius* L., abandoned vineyard near Budakeszi, 2. 6. 2000.

Ascochyta sesleriae C. Massab. (= *Diplodina sesleriae* Moesz) – 15597. *Sesleria budensis* (Borb.) A. et G., Tündér-szikla, 16. 3. 1998., leg., det. S. T.

Asteroma tererrium Grognot – *Vitis vinifera* L., abandoned vineyard near Budakeszi, 2. 6. 2000., con. $3.5\text{--}3.75 \times 1 \mu\text{m}$,

Botrytis fuckeliana Buchwald – *Chenopodium* sp., abandoned vineyard near Budakeszi, 2. 6. 2000., con. $10\text{--}16.25 \times 7.5\text{--}10 \mu\text{m}$

Brachysporium nigrum (Link.) Hughes – 18938/c. *Quercus* sp., on rotting wood, Hárbsbokor-hegy, 13. 6. 1989., leg., det. S. T.

Camarosporium astragali Hollós – 14944. *Astragalus vesicarius* L. ssp. *albidus* (W. et K.) Br. – Bl., near Budaörs, 29. 5. 1959., leg., det. S. T.

Camarosporium laburni (West.) Sacc. – on dead twigs of *Laburnum anagyroides* Medic., Tündér-szikla, 18. 10. 1997., con. 18.6–26.6 × 8–16 mm

Cercospora pulvinulata Sacc. et Wint. – 15487. *Morus alba* L. on spots of leaves, Virág-völgy, 18. 10. 1997., leg., det. S. T.

Cercospora violae Sacc. – 15155. *Viola odorata* L., Virág-völgy, 22. 7. 1995., con. 81–165 × 4.5–4.8 µm

Chaetomella atra Fuck. – 15774. *Sesleria budensis* (Borb.) A. et G., dead leaves, Tündér-szikla, 16. 8. 1998., leg., det. S. T.

Coniothyrium clematidis-rectal Petr. – 15308. *Clematis recta* L., dead stems, Út-hegy near Budaörs, 10. 3. 1990., leg., S. T. and K. Penksza, det. S. T., con. 7.5–9.8 × 3–4.2 µm

Coniothyrium occultum Syd. – 15082. *Chrysopogon gryllus* (Torn.) Trin. in stromata: *Phyllachora fallax* Sacc., dead leaves, Odvas-hegy, 10. 3. 1990., leg. S. T. et K. Penksza, det. S. T.

Coniothyrium rhamni (West.) Keissl. – 15210. *Rhamnus catharticus* L., Ördög- orom, 16. 9. 1995., con. 6–7.8 × 3.3–3.8 µm

Cryptosporium betulinum (Sacc.) Sacc. – 13830. *Betula pendula* Roth. On dead twigs cortif. Szénás-zug, near Budakeszi, 12. 4. 1988., leg., det. S. T.

Cylindrosporium mori (Lév.) Berl. – *Morus* sp., Budakeszi, 18. 10. 1997.

Cytospora leucosperma Fr. – *Fagus sylvatica* L., Máriamakk, 13. 8. 1997. Virág- völgy, 18. 10. 1997.

Cytospora vitis Mont. – *Vitis vinifera* L., abandoned vineyard near Budakeszi, con. 5 × 2–2.5 µm, 2. 6. 2000.

Didymosporina aceris (Lib.) v. Höhn. – 15208. on the leaves of *Acer campestre* L. Irhás-árok, 16. 9. 1995., between Korányi hospital and Budakeszi, 2. 4. 1997. con. 8.5–10.8 × 4–5.7 µm

Diplodia bacchi Pass et Thüm. – *Vitis vinifera* L., abandoned vineyard near Budakeszi, 2. 6. 2000., con. 10 × 20 µm

Diplodia lantanae Fuck. – 15120, *Viburnum lantana* L., Farkas-völgy, 23. 4. 1995., con. 21–24 × 8.3–9.8 µm

Diplodia viticola Desm. – *Vitis vinifera* L., abandoned vineyard near Budakeszi, 2. 6. 2000., con. 22.5–25 × 12.5 µm

Diplodina artemisiae Bres. – 15128. on leaves of *Artemisia vulgaris* L. – in Farkas- völgy, 23. 4. 1995., con. 9–13 × 2.5–3 µm

Discosia artocreas Fr. – 13229. *Sorbus torminalis* (L.) Cr., on dead leaves, Kakukk-hegy, 24. 4. 1938., leg. J. Bánhegyi, det. S. T. – 13230. *Fraxinus* sp. on dead leaves, Kakukk-hegy, 24. 4. 1938., leg. J. Bánhegyi, det. S. T.

Fusarium avenaceum (Corda ex Fr.) Sacc. – *Lathyrus latifolius* L., abandoned vineyard near Budakeszi, 2. 6. 2000., det. Á. Szécsi

Gloeosporium tiliae Oudem. – *Tilia cordata* Mill., on leaves, Ördög-orom, 16. 9. 1995., con. $12.3-15 \times 4.8-6 \mu\text{m}$

Hendersonia stipae-pennatae Fautr. – 15762. *Stipa* sp., Hárzbokor-hegy, 15. 5. 1990., leg., det. S. T., con. $23-30.8 \times 3.8-4.5 \mu\text{m}$, 3-7 sept.

Libertella quercina Tul. – *Quercus* sp., Máriamakk, 13. 8. 1996., con. 35 mm

Marssonina juglandis (Lib.) Magn. – 15214. *Juglans regia* L., on leaves, Ördög-orom, 16. 9. 1995., con. $18-27.5 \times 4.5 \times 5.3 \mu\text{m}$

Microdiplodia leguminis-cytisi (Lév.) Allesch. – 15337. *Cytisus nigricans* L. in dead twigs, Ördög-orom, 16. 9. 1995., leg., det. S. T., con. $9-12 \times 5.3-6 \mu\text{m}$

Microdiplodia subtecta Allesch. – 15124. on dead branches of *Acer* sp. – in Farkas-völgy, 23. 6. 1995., con. $9.5-12.3 \times 4.5-5.5 \mu\text{m}$

Micropora drupacearum Lév. *Prunus* sp., on the road from Budakeszi to János-hegy, 29. 5. 1997.

Naemospora microspora Desm. – *Prunus* sp., Máriamakk, 15. 6. 1997., con. $4-6 \times 1-1.5 \mu\text{m}$

Periconia cookei Mason et Ellis – *Umbelliferae*, Pátyi road, Budakeszi, 11. 2. 2000., con. $10-30 \mu\text{m}$, leg., det. D. M.

Phloeoospora maculans (Béreg.) Allesch. – 15813. *Morus* sp., on dead leaves, near Budakeszi, 18. 10. 1997.

Phloeoosporella padi (Lib.) v. Arx – 15148. on leaves of *Cerasus avium* (L.) Mönch, Virág-völgy, 22. 7. 1995., con. $51-69 \times 4 \mu\text{m}$

Phoma cichorii Passer. – on dead stems of *Cichorium intybus* L. – Farkas-völgy, 23. 4. 1995., con. $4.5-6 \times 1.5 \mu\text{m}$

Phoma melaena Mont. et Dvr. – *Lathyrus latifolius* L., abandoned vineyard near Budakeszi, 2. 6. 2000., con. $6.5-8.3 \times 2.8-3.3 \mu\text{m}$

Phoma sp. – *Clematis vitalba* L., Budakeszi, Mezei M. út, 16. 8. 1996., con. $9.3 \times 2 \mu\text{m}$

Phoma viniferae Cooke – *Vitis vinifera* L., abandoned vineyard near Budakeszi, 2. 6. 2000., con. $3.25 \times 6.25 \mu\text{m}$

Phomopsis meliloti Grove – 15763. *Astragalus vesicularis* L., ssp. *albidus* (W. et K.) Jáv., dead stems, Odvas-hegy, 29. 5. 1959., leg., det. S. T.

Phomopsis tulasnei Sacc. – 15279. *Serratula radiata* (W. et K.) M. B., dead stems, Szekrényes (Sorrento), 18. 7. 1992., leg., det. S. T., con. A: 7.5–9.3 × 2.5–3.3 µm, B: 21–27 × 1–2 µm

Phyllosticta aceris Sacc. – 15827. *Acer campestre* L., on spots of leaves, Budakeszi, 2. 6. 1997.

Phyllosticta cruenta (Kuncze) Kickx – 15566. on leaves of *Polygonatum odoratum* (Mill.) Bruce., Farkas-völgy, 23. 6. 1995. – 15153. *Polygonatum multiflorum* (L.) All., Virág-völgy, 22. 7. 1995., con. 12–18 × 7.5–11.3 µm

Phyllosticta sphaeropsoidea Ell. et Everh. – 15152. *Aesculus hippocastanum* L., Virág-völgy, 22. 7. 1995., con. 13.5–19.5 × 10–12 µm

Phyllosticta tricoloris Sacc. – 15293. *Viola* sp., leaves, Csíki-hegyek, 17. 9. 1909., leg. G. Moesz, det. S. T., con. 6–7.8 × 2.7–3.3 µm

Pleurothecium recurvatum (Morg.) v. Höhn. – 13938/b. *Quercus* sp., on rotting wood, Hársbokor-hegy, 13. 6. 1989., leg., det. S. T.

Pyrenopeziza sp. – *Poaceae* sp., abandoned vineyard Budakeszi, 2. 6. 2000.

Ramularia ajugae (Niessl.) Sacc. – 15188. *Ajuga reptans* L., on leaves, Virág-völgy, con. 9.8–25 × 3–4.3 µm, 22. 7. 1995.

Rhabdospora coriacea Bubák – *Centaurea* sp., abandoned vineyard near Budakeszi, 2. 6. 2000., con. 20–42.5 × 1.25 µm

Rhabdospora cynanchica Sacc., Bomm. et Rouss. – 15213. *Vincetoxicum hirundinaria* Medic., on leaves, Ördög-orom, 16. 9. 1995., con. 31–43.5 × 3.3–4.5 µm

Septoria avenae Frank – 15567. *Arrhenatherium elatius* (L.) Presl, leaves, Farkas-völgy, 23. 6. 1995.

Steganocephalum piriforme Fr. – *Acer* sp., Tündér-rock, 18. 9. 1997.

Torula herbarum (Persoon) Link – *Umbelliferae*, Pátyi út, Budakeszi, 11. 2. 2000., leg., det. D. M.

Trichothecium roseum Link ex Fr. – on dead ascomycetes, between Csillebér and János-hegy, 23. 6. 1995., con. 16–20 × 6–7.5 µm

Tubercularia vulgaris Tode – 15134. *Carpinus betulus* L., Farkas-völgy, 23. 6. 1995., con. 6–9 × 2–2.5 µm

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