

SUPPLEMENTED CHECKLIST OF LICHENS AND ALLIED FUNGI OF LITHUANIA

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Abstract

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A new checklist of 755 species of lichen-forming, lichenicolous and allied fungi occurring in Lithuania is presented. Of these, 620 species are lichenized, 115 lichenicolous and 20 are saprobic fungi that are usually treated in lichenological literature. Frequency of every species and infraspecific taxon in the country is indicated, except for the 12 species known from literature records only. List of synonyms is also presented.

Keywords: lichenicolous fungi, lichenized fungi, Lithuania.

INTRODUCTION

Even though first reliable records of lichens from the nowadays territory of Lithuania are found in the papers of the first part of the 19th century, the targeted research on lichens started only in the 20th century. RUDZINKAITĖ (1982) and MOTIEJŪNAITĖ (2002) have provided detailed accounts of lichen research in the country.

MINKEVIČIUS (1963) has compiled the first checklist of lichens recorded in Lithuania, basing exclusively on the specimens deposited at the Herbarium of Vilnius University (WI). His list comprises 115 species. RUDZINKAITĖ (1982) has provided the more exhaustive catalogue of lichens, basing on all literature that had been available to her, as well as her own collections. This checklist includes 264 species. The latest checklist (MOTIEJŪNAITĖ, 1999) comprises 511 species and includes also lichenicolous and some saprobic fungi that are usually treated together with lichens. Since then, over 40 papers have been published, in which species of lichens and allied fungi are reported as new to Lithuania, genera or species groups are revised, or new species are described. To summarize the data scattered in various papers by different authors, and to provide information about taxa based on modern taxonomy and nomenclature, the present checklist was compiled.

MATERIALS AND METHODS

The list of taxa is based on the materials published in literature, pertaining to the territory that is nowadays Lithuania, from the year 1830 to 2017. Most part of the listed taxa is based on herbarium specimens deposited at Lithuanian (BILAS and WI) and foreign herbaria (C, GPN, H, IB PAN, LD, LECB, S, TU, UGDA, UPS). Twelve listed species are known from literature only.

Nomenclature of lichenized and saprobic fungi largely follows NORDIN et al. (2011), of lichenicolous fungi – LAWREY & DIEDERICH (2017), with some exceptions, which follow AGUIRRE-HUDSON (1991), AP-TROOT (2002), COPPINS & JAMES (1979), ERTZ & DIEDERICH (2015), FLEISCHHACKER et al. (2016), FRISCH et al. (2015), GUZOW-KRZEMIŃSKA et al. (2012), HARRIS et al. (2001), HAWKSWORTH & HENRICI (2015), LENDEMER (2013a,b), MOBERG (1978), REESE NÆSBORG (2008), SCHMITT et al. (2012), SERVÍT (1952), VONDRÁK et al. (2016), WEI et al. (2017). Names used in the last checklist (MOTIEJŪNAITĖ, 1999) and/or the papers published after 1999 and are not considered to be correct today, are provided in a separate synonym list ordered by species epithet.

Every species and infraspecific taxon on the list is supplied with the data on their frequency in Lithua-

nia, which follows the principle set in MOTIEJŪNAITĖ (2002): vr – very rare (1–3 localities), r – rare (4–5 localities), rr – rather rare (6–10 localities), rc – rather common (11–20 localities), c – common (more than 20 localities), vc – very common – are found in many localities all over the country, in practice they appear in all habitats that are suitable for them and these habitats are not uncommon. The species that have not been found during the last 50 years in the country are marked with Ex. Names of the species that are known from literature only are printed in regular font, their frequency is not indicated. Lichenicolous species are marked with #, saprobic fungi with +, fungi that can have both lichenicolous and saprobic mode are marked with +#. Species with doubtful occurrence in Lithuania (for explanations, see the notes below) are marked with question mark.

RESULTS

The list comprises 755 species of lichen-forming, lichenicolous and allied fungi altogether, of these, 620 species are lichenized, 115 lichenicolous and 20 saprobic, non-lichenized (of the latter two groups, seven species can have either lichenicolous or saprobic mode of life).

Ideally, the checklist should only include reliably recorded species with all records based on herbarium vouchers. However, in the case of Lithuania, most of historical collections have been lost, but in a number of cases even rare species in the region have been re-found in modern times, i.e. *Lecanora sulphurea*, *Microcalicium arenarium* *Prototarmelia badia*, *Punctelia subrudecta*, etc. (MOTIEJŪNAITĖ et al., 2013, 2017), therefore, in this checklist some species are still included only on the basis of literature records, especially in the cases, when they have been recorded in the neighbouring countries. However, at least three species, even these with herbarium vouchers present, remain questionable.

Melaspileella proximella is known from a single reference by OHLERT (1870) (as *Arthonia proximella*). However, in the recent revision of the genus *Melaspileella* and allied genera, ERTZ & DIEDERICH (2015) state that all reports of this species should be revised as they may refer to other taxa. Therefore, *M. proximella* remains in the list, but further proof is necessary to establish its presence in the country.

Thelotrema petraetoides has been reported from Biržai Regional Park (MOTIEJŪNAITĖ et al., 2008). This lichen has pronounced oceanic distribution in Europe (PURVIS et al., 1995) and is not known from any countries close lying to Lithuania. The author of the present paper did not have the opportunity to check the specimen, therefore, until its identity is clarified, presence of the species in Lithuania is put under question. For the same reason, the species has not been included into the flora of Lithuanian lichens (MOTIEJŪNAITĖ, 2016).

Verrucaria acrotella has not been included into the flora of Lithuanian lichens and is put under the question in this paper as well, because the herbarium specimens under this name do not correspond to the present circumscription of the species. Generally, the whole genus of *Verrucaria* (except for aquatic species) in Lithuania is in need of revision. Recent changes in species delimitations and understanding, as well as obvious understudy of the genus (PYKÄLÄ et al., 2017) indicate that there are many more species than it has been recorded at present, and also the frequency of the known and taxonomically established species may be different from the registered distribution data.

There also remain unresolved issues of some lichen genera and complexes that obviously need revision in Lithuania, such as the *Candelariella* genus (see i.e. revision of the genus in Switzerland by WESTBERG & CLERC (2012)). The author of the present checklist did not follow recent segregation of several species within *Graphis scripta* by NEUWIRTH & APTROOT (2011) because of the later findings by KRAICHAK et al. (2015) showing that even though the species is really a complex containing several phylogenetic lineages, they do not correspond to the taxa segregated basing on the morphological characters and that the true identity of the species within the complex has to be yet defined.

LIST OF LICHENS AND ALLIED FUNGI OF LITHUANIA

ABROTHALLUS De Not.

caerulescens Kotte – r

cetrariae Kotte – vr

suecicus (Kirschst.) I.Nordin – vr

ABSCONDITELLA Vězda

- delutula* (Nyl.) Coppins & H.Kilias – **vr**
lignicola Vězda & Pišút – **rc**
pauxilla Vězda & Vivant – **vr**
sphagnorum Vězda & Poelt – **vr**
- ACAROSPORA* A.Massal.
fuscata (Schr.) Th.Fr. – **c**
moenium (Vain.) Räsänen – **c**
veronensis A.Massal. – **rr**
- ACROCORDIA* A.Massal.
cavata (Ach.) R.C.Harris – **rc**
gemmata (Ach.) A.Massal. – **vc**
- AGONIMIA* Zahlbr.
allobata (Stizenb.) P.James – **rr**
flabelliformis J.Halda, Czarnota & Guz.-
 Krzemiń. – **vr**
gelatinosa (Ach.) Brand & Diederich – **vr**
- ALYXORIA* Ach. ex Gray
varia (Pers.) Ertz & Tehler – **vc**
- AMANDINEA* M.Choisy
punctata (Hoffm.) Coppins & Scheid. – **vc**
- ANAPTYCHIA* Körb.
ciliaris (L.) Körb. – **vc**
runcinata (With.) J.R.Laundon – **Ex**
- ANISOMERIDIUM* (Müll. Arg.) M.Choisy
polypori (Ellis & Everh.) M.E.Barr – **c**
- ARCTOPARMELIA* Hale
centrifuga (L.) Hale – **Ex**
- ARTHONIA* Ach.
apatetica (A.Massal.) Th.Fr. – **vr**
arthonioides (Ach.) A.L.Sm. – **c**
atra (Pers.) A.Schneid.
didyma Körb. – **vr**
dispersa (Schr.) Nyl. – **r**
 # *galactinaria* Leight. – **vr**
helvola (Nyl.) Nyl. – **vr**
mediella Nyl. – **rc**
 # *parietinaria* Hafellner & A.Fleischhacker – **vr**
punctiformis Ach. – **r**
radiata (Pers.) Ach. – **c**
spadicea Leight. – **c**
vinosa Leight. – **c**
- ARTHOPYRENIA* A.Massal.
 + *analepta* (Ach.) A.Massal. – **vr**
cinereopruinosa (Schaer.) A.Massal.
- ARTHOTHELIUM* A.Massal.
ruanum (A.Massal.) Körb. – **c**
- ARTHORRHAPHIS* Th.Fr.
 # *aeruginosa* R.Sant. & Tønsberg – **r**
- ARTHROSPORUM* A.Massal.
populorum A.Massal. – **vr**
- ASPICILIA* A.Massal.
caesiocinerea (Nyl. ex Malbr.) Arnold – **rc**
cinerea (L.) Körb. – **c**
contorta (Hoffm.) Kremp. – **rr**
laevata (Ach.) Arnold – **vr**
- ATHALLIA* Arup, Frödén & Söchting
cerinella (Nyl.) Arup, Frödén & Söchting – **r**
holocarpa (Hoffm. ex Ach.) Arup, Frödén &
 Söchting – **c**
pyracea (Ach.) Arup, Frödén & Söchting – **c**
- ATHELIA* Pers. emend. Donk
 # *arachnoidea* (Berk.) Jülich – **vc**
- BACHMANNIOMYCES* D.Hawksw.
 # *uncialicola* (Zopf) D.Hawksw. – **vr**
- BACIDIA* De Not.
arceutina (Ach.) Arnold – **c**
bagliettoana (A.Massal. & De Not.) Jatta – **c**
biatorina (Körb.) Vain. – **rr**
circumspecta (Nyl. ex Vain.) Malme – **vr**
fraxinea Lönnr. – **vr**
incompta (Borrer ex Hook.) Anzi – **vr**
laurocerasi (Delise ex Duby) Zahlbr. – **rr**
polychroa (Th.Fr.) Körb. – **c**
pycnidiata Czarnota & Coppins – **vr**
rosella (Pers.) De Not. – **vr**
rubella (Hoffm.) A.Massal. – **c**
subincompta (Nyl.) Arnold – **c**
- BACIDINA* Vězda
arnoldiana (Körb.) V.Wirth & Vězda – **r**
assulata (Körb.) S.Ekman – **vr**
brandii (Coppins & van den Boom) M.Hauck &
 V.Wirth – **r**
caligans (Nyl.) Llop & Hladún – **vr**
chlorotricula (Nyl.) Vězda & Poelt – **rc**
delicata (Larbal. & Leight.) V.Wirth & Vězda – **r**
egenula (Nyl.) Vězda – **vr**
inundata (Fr.) Vězda – **rc**
sulphurella (Samp.) M.Hauck & V.Wirth – **c**
- BACTROSPORA* A.Massal.
dryina (Ach.) A.Massal. – **rr**
- BAEOMYCES* Pers.
rufus (Huds.) Rebut. – **rc**
- BIATORA* Fr.
albohyalina (Nyl.) Bagl. & Carestia – **rr**
beckhausii (Körb.) Tuck. – **rr**
chrysantha (Zahlbr.) Printzen – **rc**

- efflorescens* (Hedl.) Räsänen – **rc**
globulosa (Flörke) Fr. – **c**
helvola Körb. ex Hellb. – **rr**
meiocarpa (Nyl.) Arnold – **vr**
ocelliformis (Nyl.) Arnold – **rc**
- BIATORIDIUM** J. Lahm
monasteriense J. Lahm ex Körb. – **rc**
- BIATOROPSIS** Räsänen
 # *usnearum* Räsänen – **rc**
- BILIMBIA** De Not.
sabuletorum (Schreb.) Arnold – **c**
- BLASTENIA** A.Massal.
herbidella (Arnold) Servit – **vr**
- BLENNOTHALLIA** Trevis.
crispa (Huds.) Otálorá, P.M.Jørg. & Wedin – **vr**
- BRIANARIA** S.Ekman & M.Svensson
tuberculata (Sommerf.) S.Ekman & M.Svensson – **vr**
- BRIANCOPPINSIA** Diederich, Ertz, Lawrey & van den Boom
 # *cytospora* (Vouaux) Diederich, Ertz, Lawrey & van den Boom – **rr**
- BRYOBILIMBIA** Fryday, Printzen & S.Ekman
ahlesii (Hepp) Fryday, Printzen & S. Ekman – **vr**
hypnorum (Lib.) Fryday, Printzen & S.Ekman – **Ex**
- BRYORIA** Brodo & D.Hawksw.
capillaris (Ach.) Brodo & D.Hawksw. – **c**
fuscescens (Gyeln.) Brodo & D.Hawksw. – **c**
implexa (Hoffm.) Brodo & D.Hawksw. – **c**
nadvornikiana (Gyeln.) Brodo & D.Hawksw. – **rc**
subcana (Nyl. ex Stizenb.) Brodo & D.Hawksw. – **rc**
- BRYOSTIGMA** Poelt & Döbbeler
muscigenum (Th.Fr.) Frisch & G.Thor – **vr**
- BUELLIA** De Not.
badia (Fr.) A.Massal. – **rc**
erubescens Arnold – **vr**
griseovirens (Turner & Borrer ex Sm.) Almb. – **vc**
shaereri De Not. – **c**
- CAERULEUM** L.Arcadia
heppii (Nägeli ex Körb.) K.Knudsen & L.Arcadia – **rc**
- CALICIUM** Pers.
adpersum Pers. – **rc**
- glaucellum* Ach. – **c**
 lenticulare Ach.
parvum Tibell – **vr**
quercinum Pers. – **rr**
salicinum Pers. – **c**
trabinellum (Ach.) Ach. – **r**
viride Pers. – **c**
- CALOGAYA** Arup, Frödén & Söchting
decipiens (Arnold) Arup, Frödén & Söchting – **vc**
saxicola (Hoffm.) Vondrák – **vc**
- CALOPLACA** Th.Fr.
cerina (Hedw.) Th.Fr. – **rr**
chlorina (Flot.) H.Olivier – **vr**
lucifuga G.Thor – **vr**
obscura (J.Lahm ex Körb.) Th.Fr. – **r**
soralifera Vondrák & Hrouzek – **vr**
- CANDELARIA** A.Massal.
pacifica M.Westb. & Arup – **rc**
- CANDELARIELLA** Müll.Arg.
aurella (Hoffm.) Zahlbr. – **vc**
coralliza (Nyl.) H.Magn. – **r**
efflorescens R.C.Harris & W.R.Buck. – **r**
lutella (Vain.) Räsänen – **vr**
reflexa (Nyl.) Lettau – **rc**
vitellina (Hoffm.) Müll.Arg. – **vc**
xanthostigma (Ach.) Lettau – **vc**
- CARBONEA** (Hertel) Hertel
 # *vitellinaria* (Nyl.) Hertel – **vr**
- CARBONICOLA** Bendiksby & Timdal
anthracophila (Nyl.) Bendiksby & Timdal – **rc**
myrmecina (Ach.) Bendiksby & Timdal – **vr**
- CATAPYRENIUM** Flot.
cinereum (Pers.) Körb. – **vr**
- CATILLARIA** A.Massal.
chalybeia (Borrer) A.Massal. – **vr**
croatica Zahlbr. – **rc**
nigroclavata (Nyl.) Schuler – **rc**
- CATINARIA** Vain.
atropurpurea (Schaer.) Vězda & Poelt – **vr**
- CERCIDOSPORA** Körb. em. Hafellner
 # *epipolytropa* (Mudd) Arnold – **vr**
 # *macrospora* (Uloth) Hafellner & Nav.-Ros. – **vr**
- CETRARIA** Ach.
aculeata (Schreb.) Fr. – **c**
ericetorum Opiz – **c**
islandica (L.) Ach. – **c**
muricata (Ach.) Eckfeldt – **rc**
sepincola (Ehrh.) Ach. – **c**

- CETRELLA** W.L.Culb. & C.F.Culb.
monachorum (Zahlbr.) W.L.Culb. – **rc**
olivetorum (Nyl.) W.L.Culb. & C.F.Culb. – **rr**
- CHAENOTHECA** (Th.Fr.) Th.Fr.
brachypoda (Ach.) Tibell – **c**
brunneola (Ach.) Müll.Arg. – **rr**
chlorella (Ach.) Müll.Arg. – **c**
chrysocephala (Turner ex Ach.) Th.Fr. – **c**
cinerea (Pers.) Tibell – **rr**
ferruginea (Turner & Borrer) Mig. – **vc**
furfuracea (L.) Tibell – **c**
gracilentata (Ach.) J.Mattsson & Middelb. – **rr**
gracillima (Vain.) Tibell – **vr**
hispidula (Ach.) Zahlbr. – **r**
laevigata Nádv. – **vr**
phaeocephala (Turner) Th.Fr. – **c**
sphaerocephala Nádv. – **vr**
stemonea (Ach.) Müll.Arg. – **c**
trichialis (Ach.) Th.Fr. – **vc**
xyloxena Nádv. – **c**
- CHAENOTHECOPSIS** Vain.
 # *consociata* (Nádv.) A.F.W.Schmidt – **r**
 + *debilis* (Sm.) Tibell – **r**
 +# *nigra* Tibell – **vr**
 +# *pusilla* (Ach.) A.F.W.Schmidt – **c**
 +# *pusiola* (Ach.) Vain. – **rc**
 +# *rubescens* Vain. – **rc**
 +# *savonica* (Räsänen) Tibell – **c**
 +# *viridireagens* (Nádv.) A.F.W.Schmidt – **vr**
- CHALARA** (Corda) Rabenhorst
 # *lichenicola* M.S.Christ. – **vr**
- CHEIROMYCINA** B.Sutton
petri D.Hawksw. & Poelt – **vr**
- CHRYSOTHRIX** Mont.
candelaris (L.) J.R.Laundon – **c**
flavovirens Tønsberg – **r**
- CLADONIA** P.Browne
arbuscula (Wallr.) Flot. – **vc**
asahinae Thomson – **vr**
bacilliformis (Nyl.) Glück – **rc**
borealis S.Stenroos – **vr**
botrytes (K.G.Hagen) Willd. – **c**
brevis (Sandst.) Sandst.
caespiticia (Pers.) Flörke – **r**
cariosa (Ach.) Spreng. – **c**
carneola (Fr.) Fr. – **rr**
cenotea (Ach.) Schaer. – **vc**
cervicornis (Ach.) Flot. – **r**
chlorophaea (Flörke ex Sommerf.) Spreng. – **c**
ciliata Stirt. f. *flavicans* (Flörke) Ahti & DePriest – **c**
coccifera (L.) Willd. – **rr**
coniocraea (Flörke) Spreng. – **vc**
conista (Ach.) Robbins – **vr**
cornuta (L.) Hoffm. – **vc**
crispata (Ach.) Flot. var. *crispata* – **c**
crispata (Ach.) Flot. var. *cetrariiformis* (Delise) Vain. – **c**
cryptochlorophaea Asah. – **vr**
deformis (L.) Hoffm. – **c**
digitata (L.) Hoffm. – **vc**
diversa Asperges ex S.Stenroos – **rr**
fimbriata (L.) Fr. – **vc**
floerkeana (Fr.) Sommerf. – **c**
foliacea (Huds.) Willd. – **c**
furcata (Huds.) Schrad. – **vc**
glauca Flörke – **c**
gracilis (L.) Willd. ssp. *gracilis* – **c**
gracilis (L.) Willd. ssp. *turbinata* (Ach.) Ahti – **c**
grayi G.Merr. ex Sandst. – **rc**
homosekikaica Nuno – **vr**
humilis (With.) J.R.Laundon – **vr**
incrassata Flörke – **rc**
macilentata Hoffm. – **vc**
merochlorophaea Asahina – **rc**
mitis Sandst. – **vc**
monomorpha Aptroot, Sipman & van Herk – **vr**
norvegica Tønsberg & Holien – **rc**
novochlorophaea (Sipman) Brodo & Ahti – **rr**
parasitica (Hoffm.) Hoffm. – **vr**
phyllophora Hoffm. – **c**
pleurota (Flörke) Schaer. – **rc**
pocillum (Ach.) Grognot – **rc**
polydactyla (Flörke) Spreng. – **rr**
portentosa (Dufour) Coem. – **c**
pyxidata (L.) Hoffm. – **c**
ramulosa (With.) J.R.Laundon – **rc**
rangiferina (L.) F.H.Wigg. – **vc**
rangiformis Hoffm. – **rc**
rei Schaer. – **c**
scabriuscula (Delise) Nyl. – **c**
squamosa Hoffm. – **rc**
stellaris (Opiz) Pouzar & Vězda – **c**
stygia (Fr.) Ruoss – **rc**
subrangiformis Sandst. – **rr**
subulata (L.) Weber ex F.H.Wigg. – **vc**
sulphurina (Michx.) Fr. – **rc**

- symphyocarpa* (Flörke) Fr. – **Ex**
turgida Hoffm. – **Ex**
uncialis (L.) Weber ex F.H.Wigg. ssp. *uncialis* – **c**
uncialis (L.) Weber ex F.H.Wigg. ssp. *biuncialis*
(Hoffm.) M.Choisy – **rc**
verticillata (Hoffm.) Schaer. – **c**
- CLADOSPORIUM** Link
licheniphilum Heuchert & U.Braun – **vr**
- CLAUZADEA** Hafellner & Bellem.
monticola (Schaer.) Hafellner & Bellem. – **vr**
- CLIOSTOMUM** Fr.
corrugatum (Ach.:Fr.) Fr. – **rr**
griffithii (Sm.) Coppins – **rr**
- CLYPEOCOCCUM** D.Hawksw.
cetrariae Hafellner – **vr**
hypocenomycis D.Hawksw. – **c**
- COENOGONIUM** Ehrenb.
pineti (Ach.) Lücking & Lumbsch – **c**
- COLLEMA** Weber ex F.H.Wigg.
flaccidum (Ach.) Ach. – **rr**
nigrescens (Huds.) DC.
- CORNUTISPORA** Piroz.
lichenicola D.Hawksw. & B.Sutton – **vr**
- CORTICIFRAGA** D.Hawksw. & R.Sant.
fuckelii (Rehm) D.Hawksw. & R.Sant. – **c**
peltigerae (Fuckel) D.Hawksw. & R.Sant. – **vr**
- CRESPORHAPHIS** M.B.Aguirre
pinicola (Samp.) M.B.Aguirre – **vr**
- CRYPTODISCUS** Corda
gloeocapsa (Arnold) Baloch, Gilenstam &
Wedin – **vr**
- CYPHELIUM** Ach.
inquinans (Sm.) Trevis. – **vr**
tigillare (Ach.) Ach. – **vr**
- DERMATOCARPON** Eschw.
luridum (With.) J.R.Laundon – **rr**
miniatum (L.) W.Mann
- DIBAEIS** Clem.
baeomyces (L.f.) Rambold & Hertel – **rr**
- DIDYMELLOPSIS** (Sacc.) Clem. & Shear
pulposi (Zopf) Grube & Hafellner – **rr**
- DIDYMOCYRTIS** Vain.
cladoniicola (Diederich, Kocourk. & Etayo)
Ertz & Diederich – **vr**
foliaceiphila (Diederich, Kocourk. & Etayo)
Ertz & Diederich – **vr**
pseudeverniae (Etayo & Diederich) Ertz &
Diederich – **vr**
- # *ramalinae* (Desm.) Ertz, Diederich &
Hafellner – **r**
- DIMELAENA** Norman
oreina (Ach.) Norman – **vr**
- DIRINA** Fr.
massiliensis Durieu & Mont. – **vr**
- DIPLOSCHISTES** Norman
muscorum (Scop.) R.Sant. – **r**
scruposus (Schreb.) Norman – **rr**
- DIPLOTOMMA** Flot.
alboatrum (Hoffm.) Flot. – **r**
pharcidium (Ach.) M.Choisy – **rr**
- ENCHYLIUM** (Ach.) Gray
limosum (Ach.) Otálora, P.M.Jørg. & Wedin – **c**
tenax (Sw.) Gray – **c**
- ENDOCOCCUS** Nyl.
tricolorans Alstrup – **vr**
- ENDOPHRAGMIELLA** B. Sutton
franconica Brackel & Markovsk. – **vr**
- EPICLADONIA** D.Hawksw.
sandstedei (Zopf) D.Hawksw. – **rr**
simplex D.Hawksw. – **vr**
stenospora (Harmand) D.Hawksw. – **vr**
- ERYTHRICIUM** J.Eriks. & Hjortstam
aurantiacum (Lasch) D.Hawksw. & A.Henrici – **c**
- EVERNIA** Ach.
divaricata (L.) Ach. – **vr**
mesomorpha Nyl. – **vr**
prunastri (L.) Ach. – **vc**
- FELIPES** Frisch & G.Thor
leucopellaeus (Ach.) Frisch & G.Thor – **rr**
- FELLANERA** Vězda
bouteillei (Desm.) Vězda – **rc**
gyrophorica Sérusiaux, Coppins, Diederich &
Scheidegger – **c**
subtilis (Vězda) Diederich & Sérusiaux – **rc**
- FELLANEROPSIS** Sérusiaux & Coppins
myrtillicola (Erichs.) Sérusiaux & Coppins – **vr**
vezdae (Coppins & P.James) Sérusiaux &
Coppins – **rc**
- FLAVOPARMELIA** Hale
caperata (L.) Hale – **rc**
- FLAVOPLACA** Arup, Söchting & Frödén
citrina (Hoffm.) Arup, Frödén & Söchting – **c**
flavocitrina (Nyl.) Arup, Frödén & Söchting –
vr
- FUSCIDEA** V.Wirth & Vězda
arboricola Coppins & Tønsberg – **vr**

- praeruptorum* (Du Rietz & H.Magn.) V.Wirth & Vězda – **vr**
pusilla Tønsberg – **rc**
GRAPHIS Adans.
scripta (L.) Ach. – **vc**
GRAPHIUM Corda
aphthosae Alstrup & D.Hawksw. – **r**
samogiticum Motiej. & Alstrup – **r**
GREGORELLA Lumbsch
humida (Kullh.) Lumbsch – **vr**
GYALECTA Ach.
derivata (Nyl.) H.Olivier – **vr**
fagicola (Hepp ex Arnold) Kremp. – **vr**
flotowii Körb. – **vr**
truncigena (Ach.) Hepp – **rr**
ulmi (Sw.) Zahlbr. – **vr**
GYALOLECHIA Trevis.
flavorubescens (Huds.) Søchting, Frödén & Arup – **c**
HALECANIA M.Mayrhofer
spodomela (Nyl.) M.Mayrhofer – **vr**
HAZSLINSZKYA Körb.
+ *gibberulosa* (Ach.) Körb. – **r**
HAWKSWORTHIANA U.Braun
peltigericola (D.Hawksw.) U.Braun – **r**
HERTELIDEA Printzen & Kantvilas
botryosa (Fr.) Printzen & Kantvilas – **r**
HETEROCEPHALACRIA Berthier
bachmannii (Diederich & M.S.Christ.) Millanes & Wedin – **rr**
physciacearum (Diederich) Millanes & Wedin – **c**
HYDROPUNCTARIA Keller, Gueidan & Thüs
rheithrophila (Zschacke) Keller, Gueidan & Thüs – **vr**
HYPOCENOMYCE M.Choisy
scalaris (Ach.) M.Choisy – **vc**
HYPOGYMNA (Nyl.) Nyl.
farinacea Zopf – **r**
physodes (L.) Nyl. – **vc**
tubulosa (Schaer.) Hav. – **vc**
vittata (Ach.) Parrique – **Ex**
HYPOTRACHYNA (Vain.) Hale
revoluta (Flörke) Hale – **rc**
HYMENELIA Kremp.
epulotica (Ach.) Lutzoni – **vr**
ICMADOPHILA Trevis.
ericetorum (L.) Zahlbr. – **rr**
ILLOSPORIOPSIS D.Hawksw.
christiansenii (B.L.Brady & D.Hawksw.) D.Hawksw. – **c**
IMSHAUGIA S.L.F.Mey.
aleurites (Ach.) S.L.F.Mey. – **c**
INODERMA (Ach.) Gray
byssaceum (Weigel) Gray – **c**
INTRALICHEN D.Hawksw. & M.S.Cole
christiansenii (D.Hawksw.) D.Hawksw. & M.S.Cole – **vr**
lichenicola (M.S.Christ. & D.Hawksw.) D.Hawksw. & M.S.Cole – **r**
lichenum (Diederich) D.Hawksw. & M.S.Cole – **vr**
JAMESIELLA Lücking, Sérus. & Vězda
anastomosans (P.James & Vězda) Lücking, Sérus. & Vězda – **rr**
LASALLIA Mérat
pustulata (L.) Mérat – **r**
LATHAGRIUM (Ach.) Gray
cristatum (L.) Otálora, P.M.Jørg. & Wedin – **vr**
LECANACTIS Körb.
abietina (Ach.) Körb. – **c**
LECANIA A.Massal.
cuprea (A.Massal.) van den Boom & Coppins – **vr**
cyrtella (Ach.) Th.Fr. – **c**
cyrtellina (Nyl.) Sandst. – **vr**
erysibe (Ach.) Mudd – **vr**
fuscella (Schaer.) A.Massal. – **r**
hutchinsiae (Nyl.) A.L.Smith – **vr**
leprosa Reese Næsb. & Vondrák – **vr**
naegelii (Hepp) Diederich & van den Boom – **c**
prasinoides Elenkin – **c**
sordida Reese Næsb. – **vr**
suavis (Müll. Arg.) Mig. – **rc**
sylvestris (Arnold) Arnold – **vr**
turicensis (Hepp) Müll. Arg. – **r**
LECANORA Ach.
albella (Pers.) Ach. – **vr**
albellula (Nyl.) Th.Fr. – **rr**
allophana Nyl. – **c**
argentata (Ach.) Malme – **c**
carpineae (L.) Vain. – **vc**
cenisia Ach. – **vr**
chlarotera Nyl. – **vc**
circumborealis Brodo & Vitik. – **vr**
compallens van Herk & Aptroot – **rr**
conizaeoides Nyl. ex Cromb. – **vc**
expallens Ach. – **vc**

- farinaria* Borrer – **vr**
hypopta (Ach.) Vain. – **r**
intumescens (Rebent.) Rabenh. – **vr**
norvegica Tønsberg – **vr**
polytropa (Ehrh. ex Hoffm.) Rabenh. – **c**
populicola (DC.) Duby – **vr**
pulicaris (Pers.) Ach. – **vc**
quercicola Coppins & P.James – **vr**
rupicola (L.) Zahlbr. – **rr**
saligna (Schrad.) Zahlbr. – **rc**
sarcopidooides (A.Massal.) A.L.Sm. – **vr**
subintricata (Nyl.) Th.Fr. – **vr**
sulphurea (Hoffm.) Ach. – **vr**
symmicta (Ach.) Ach. – **vc**
thysanophora R.C.Harris – **rc**
varia (Hoffm.) Ach. – **c**
- LECIDEA** Ach.
erythrophaea Flörke ex Sommerf. – **r**
fuscoatra (L.) Ach. – **rr**
lithophila (Ach.) Ach. – **vr**
nylanderi (Anzi) Th.Fr. – **rc**
plana (J.Lahm) Nyl. – **vr**
turgidula Fr. – **rr**
variegatula Nyl. – **vr**
- LECIDELLA** Körb.
carpathica Körb. – **vr**
elaeochroma (Ach.) M.Choisy – **vc**
euphorea (Flörke) Hertel – **c**
flavosorediata (Vězda) Hertel & Leuckert – **rc**
pulveracea (Flörke ex Schaer.) P.Sydow – **vr**
stigmatæa (Ach.) Hertel & Leuckert – **c**
subviridis Tønsberg – **r**
- LEMMOPSIS** (Vain.) Zahlbr.
pelodes (Körb. ex Stein) T.L.Ellis – **vr**
- LEMPHOLEMMA** Körb.
chalazanum (Ach.) B.de Lesd. – **r**
- LEPRA** Scop.
albescens (Huds.) Hafellner – **vc**
amara (Ach.) Hafellner – **vc**
ophthalmiza (Nyl.) Hafellner – **vr**
- LEPRARIA** Ach.
eburnea J.R.Laundon – **vr**
elobata Tønsberg – **c**
finkii (B.de Lesd.) R.C.Harris – **c**
incana (L.) Ach. – **vc**
jackii Tønsberg – **c**
neglecta (Nyl.) Lettau – **rr**
rigidula (B.de Lesd.) Tønsberg – **r**
- vouauxii* (Hue) R.C.Harris – **rr**
- LEPTOGIUM** (Ach.) Gray
byssinum (Hoffm.) Zwackh ex Nyl. – **vr**
rivulare (Ach.) Mont. – **vr**
saturninum (Dicks.) Nyl. – **vr**
- LEPTORHAPHIS** Körb.
+ *epidermidis* (Ach.) Th.Fr. – **rc**
- LIBERTIELLA** Speg. & Roum.
curvispora D.Hawksw. & Miądl. – **vr**
malmedyensis Speg. & Roum. – **vr**
- LICHENOCHORA** Hafellner
obscuroides (Linds.) Triebel & Rambold – **rc**
- LICHENOCONIUM** Petr. & Sydow
erodens M.S.Christ. & D.Hawksw. – **vc**
lecanorae (Jaap) D.Hawksw. – **c**
pyxidatae (Oudem.) Petr. & Sydow – **rr**
usneae (Anzi) D.Hawksw. – **rc**
xanthoriae M.S.Christ. – **rc**
- LICHENODIPLIS** Dyko & D.Hawksw.
lecanorae (Vouaux) Dyko & D.Hawksw. – **r**
- LICHENOMPHALIA** Redhead, Lutzoni, Moncalvo & Vilgalys
umbellifera (L.:Fr.) Redhead, Lutzoni, Moncalvo & Vilgalys – **c**
- LICHENOSTICTA** Zopf
alcicornaria (Lindsay) D.Hawksw. – **r**
- LICHENOSTIGMA** Hafellner
cosmopolites Hafellner & Calatayud – **vr**
maureri Hafellner – **vr**
- LICHENOTHELIA** D.Hawksw.
rugosa (G. Thor) Ertz & Diederich – **vr**
- LOBARIA** (Schreb.) Hoffm.
pulmonaria (L.) Hoffm. – **c**
scrobiculata (Scop.) DC.
- LOPADIUM** Körb.
disciforme (Flot.) Kullh. – **vr**
- LOXOSPORA** A.Massal.
elatina (Ach.) A.Massal. – **rc**
- MELANELIXIA** O.Blanco, A.Crespo, Divakar, Essl., D.Hawksw. & Lumbsch
fuliginosa (Fr. ex Duby) O.Blanco, A.Crespo, Divakar, Essl., D.Hawksw. & Lumbsch – **r**
glabratula (Lamy) Sandler & Arup – **c**
subargentifera (Nyl.) O.Blanco, A.Crespo, Divakar, Essl., D.Hawksw. & Lumbsch – **c**
subaurifera (Nyl.) O.Blanco, A.Crespo, Divakar, Essl., D.Hawksw. & Lumbsch – **c**

- MELANOHALEA** O.Blanco, A.Crespo, Divakar, Essl., D.Hawksw. & Lumbsch
exasperata (De Not.) O.Blanco, A.Crespo, Divakar, Essl., D.Hawksw. & Lumbsch – **rr**
exasperatula (Nyl.) O.Blanco, A.Crespo, Divakar, Essl., D.Hawksw. & Lumbsch – **vc**
infumata (Nyl.) O.Blanco, A.Crespo, Divakar, Essl., D.Hawksw. & Lumbsch – **vr**
olivacea (L.) O.Blanco, A.Crespo, Divakar, Essl., D.Hawksw. & Lumbsch – **rc**
septentrionalis (Lyngé) O.Blanco, A.Crespo, Divakar, Essl., D.Hawksw. & Lumbsch – **vr**
- MELASPILEELLA** (P.Karst.) Vain.
 ? + *proximella* (Nyl.) Ertz & Diederich
- MENEGAZZIA** A.Massal.
terebrata (Hoffm.) A.Massal. – **rr**
- MERISMATIUM** Zopf
 # *decolorans* (Rehm ex Arnold) Triebel – **vr**
- MICAREA** Fr.
botryoides (Nyl.) Coppins – **r**
bysacea (Th.Fr.) Czarnota, Guz.-Krzemiń. & Coppins – **r**
cinerea (Schaer.) Hedl. – **c**
denigrata (Fr.) Hedl. – **c**
elachista (Körb.) Coppins & R.Sant. – **r**
hedlundii Coppins – **r**
lithinella (Nyl.) Hedl. – **vr**
melaena (Nyl.) Hedl. – **c**
micrococca (Körb.) Gams ex Coppins – **rc**
misella (Nyl.) Hedl. – **rc**
myriocarpa V.Wirth & Vězda ex Coppins – **vr**
nigella Coppins – **vr**
nitschkeana (J.Lahm ex Rabenh.) Harm. – **rr**
pelioearpa (Anzi) Coppins & R.Sant. – **rr**
prasina Fr. – **c**
- MICROCALICIUM** Vain.
 + *ahlneri* Tibell – **rr**
 + # *arenarium* (A.Massal.) Tibell – **vr**
 # *disseminatum* (Ach.) Vain. – **c**
- MIRIQUIDICA** Hertel & Rambold
leucophaea (Flörke ex Rabenh.) Hertel & Rambold – **vr**
- MONODICTYS** S.Hughes
 # *epilepraria* Kukwa & Diederich – **rr**
- MONTANELIA** Divakar, A.Crespo, Wedin & Essl.
disjuncta (Erichsen) Divakar, A.Crespo, Wedin & Essl. – **vr**
- panniformis* (Nyl.) Divakar, A.Crespo, Wedin & Essl. – **vr**
sorediata (Ach.) Divakar, A.Crespo, Wedin & Essl. – **rr**
- MUELLERELLA** Hepp ex Müll.Arg.
 # *erratica* (Müll.Arg.) Hafellner & V.John – **vr**
 # *hospitans* Stizenb. – **c**
 # *lichenicola* (Sommerf.) D.Hawksw. – **vr**
 # *pygmaea* (Körb.) D.Hawksw. – **vr**
 # *ventosicola* (Mudd) D.Hawksw. – **vr**
- MULTICLAVULA** R.H.Petersen
mucida (Pers.) R.H.Petersen – **vr**
vernalis (Schwein.) R.H.Petersen – **vr**
- MYCOBILIMBIA** Rehm
carneoalbida (Müll.Arg.) Printzen – **vr**
epixanthoides (Nyl.) Vitik., Ahti, Kuusinen, Lommi & T.Ulvinen – **rr**
tetramera (De Not.) Vitik., Ahti, Kuusinen, Lommi & T.Ulvinen – **vr**
- MYCOBLASTUS** Norman
sanguinarius (L.) Norman – **vr**
- MYCOCALICIUM** Vain.
 + *subtile* (Pers.) Szatala – **c**
- MYCOMICROTHELIA** Keissler
 + *wallrothii* (Hepp) D.Hawksw. – **r**
- MYRIOLECIS** Clem.
agardhiana (Ach.) Śliwa, Zhao Xin & Lumbsch – **vr**
albescens (Hoffm.) Śliwa, Zhao Xin & Lumbsch – **rc**
crenulata (Ach.) Śliwa, Zhao Xin & Lumbsch – **rc**
dispersa (Pers.) Śliwa, Zhao Xin & Lumbsch – **vc**
hagenii (Ach.) Śliwa, Zhao Xin & Lumbsch – **c**
persimilis (Th.Fr.) Śliwa, Zhao Xin & Lumbsch – **r**
sambuci (Pers.) Clem. – **rr**
semipallida (H.Magn.) Śliwa, Zhao Xin & Lumbsch – **rc**
- NECTRIOPSIS** Maire
 # *cariosae* Brackel & D.G.Zimmermann – **vr**
 # *lecanodes* (Cesati) Diederich & Schroers – **rc**
- NAETROCYPMBE** Körb.
 + *punctiformis* (Pers.) R.C.Harris – **r**
- NEOCOLEROA** Petr.
 # *lichenicola* (Hansf.) M.E.Barr – **vr**
- NEPHROMA** Ach.
parile (Ach.) Ach. – **vr**
resupinatum (L.) Ach. – **vr**
- NESOLECHIA** A.Massal.

- # *oxyspora* (Tul.) A.Massal. – vr
NORMANDINA Nyl.
acroglypta (Norman) Aptroot – rr
pulchella (Borrer) Nyl. – vr
OCHROLECHIA A.Massal.
alboflavescens (Wulfen) Zahlbr. – vr
androgyna (Hoffm.) Arnold – vr
arborea (Kreyer) Almb. – rr
bahusiensis H.Magn. – rr
microstictoides Räsänen – rr
turneri (Sm.) Hasselrot – rr
OPEGRAPHA Ach.
niveoatra (Borrer) J.R.Laundon – rc
vermicellifera (Kunze) J.R.Laundon – vr
vulgata (Ach.) Ach. – rr
OVICUCULISPORA Etayo
parmeliae (Berk. & M.A.Curtis) Etayo – vr
PARMELIA Ach.
ernstiae Feuerer & A.Thell – vr
omphalodes (L.) Ach.
saxatilis (L.) Ach. – c
submontana Nád. ex Hale – rc
sulcata Taylor – vc
PARMELIELLA Müll.Arg.
triptophylla (Ach.) Müll.Arg. – vr
PARMELINA Hale
tiliacea (Hoffm.) Hale – c
PARMELIOPSIS Nyl.
ambigua (Wulfen) Nyl. – c
hyperopta (Ach.) Arnold – vr
PELTIGERA Willd.
aphthosa (L.) Willd. – Ex
canina (L.) Willd. – c
collina (Ach.) Schrad. – vr
degenii Gyeln. – vr
didactyla (With.) J.R.Laundon – c
extenuata (Nyl. Ex Vain.) Lojka – rr
horizontalis (Huds.) Baumg. – vr
hymenina (Ach.) Delise – rc
lepidophora (Nyl. ex Vain.) Bitter – vr
leucophlebia (Nyl.) Gyeln. – vr
malacea (Ach.) Funck – c
membranacea (Ach.) Nyl. – rc
neckeri Hepp ex Müll. Arg. – rc
polydactylon (Neck.) Hoffm. – c
ponojensis Gyeln. – rc
praetextata (Flörke ex Sommerf.) Zopf – c
rufescens (Weiss) Humb. – vc
venosa (L.) Hoffm. – Ex
PERIDIOTHELIA D.Hawksw.
+ *fuliguncta* (Norman) D.Hawksw. – vr
PERTUSARIA DC.
coccodes (Ach.) Nyl. – c
coronata (Ach.) Th.Fr. – vr
flavida (DC.) J.R.Laundon – c
leioplaca DC. – c
pertusa (Weigel) Tuck. – vr
pupillaris (Nyl.) Th.Fr. – rr
PHAEOPHYSCIA Moberg
chloantha (Ach.) Moberg – vr
ciliata (Hoffm.) Moberg – r
endophoenicea (Harm.) Moberg – vr
nigricans (Flörke) Moberg – c
orbicularis (Neck.) Moberg – vc
sciastra (Ach.) Moberg – vr
PHAEOPYXIS Rambold & Triebel
punctum (A.Massal.) Rambold, Triebel & Coppins – rr
PHLYCTIS Wallr.
agelaea (Ach.) Flot. – c
argena (Spreng.) Flot. – vc
PHOMA Sacc.
peltigerae (P. Karst.) D.Hawksw.
PHYSCIA (Schreb.) Michx.
adscendens (Fr.) H.Olivier – vc
aipolia (Ehrh. ex Humb.) Fűrnr. – c
caesia (Hoffm.) Fűrnr. – vc
dubia (Hoffm.) Lettau – c
leptalea (Ach.) DC. – r
stellaris (L.) Nyl. – vc
tenella (Scop.) DC. – vc
PHYSCONIA Poelt
detersa (Nyl.) Poelt – vr
distorta (With.) J.R.Laundon – c
enteroxantha (Nyl.) Poelt – vc
grisea (Lam.) Poelt – rc
perisidiosa (Erichsen) Moberg – c
PLACIDIUM A.Massal.
squamulosum (Ach.) Breuss – vr
PLACYNTHIELLA Elenkin
dasaea (Stirt.) Tønsberg – rc
icmalea (Ach.) Coppins & P.James – c
oligotropha (J.R.Laundon) Coppins & P.James – rc
uliginosa (Schrad.) Coppins & P.James – c
PLACYNTHIUM (Ach.) Gray
nigrum (Huds.) Gray – rr

- PLATISMATIA** W.L.Culb. & C.F.Culb.
glauca (L.) W.L.Culb. & C.F.Culb. – **vc**
- PLECTOCARPON** Fée
 # *lichenum* (Sommerf.) D.Hawksw. – **vr**
- PLEUROSTICTA** Petr.
acetabulum (Neck.) Elix & Lumbsch – **c**
- POLYBLASTIA** A.Massal.
agraria Th.Fr. – **vr**
- POLYCAULIONA** HUE
candelaria (L.) Frödén, Arup & Söchting – **c**
phlogina (Ach.) Arup, Frödén & Söchting – **vr**
polycarpa (Hoffm.) Frödén, Arup & Söchting – **vc**
ucrainica (S.Y.Kondr.) Frödén, Arup & Söchting – **vr**
- POLYCOCCUM** Saut. ex Körb.
 # *microsticticum* (Leight.) Arnold – **vr**
 # *peltigerae* (Fuckel) Vězda – **rc**
 # *pulvinatum* (Eitner) R.Sant. – **vr**
 # *superficiale* D.Hawksw. & Miądl. – **vr**
- POLYSPORINA** Vězda
subfuscescens (Nyl.) K.Knudsen & Kocourk. – **vr**
- PORINA** Müll.Arg.
aenea (Wallr.) Zahlbr. – **rr**
chlorotica (Ach.) Müll.Arg. – **r**
- PORPIDIA** Körb.
cinereoatra (Ach.) Hertel & Knoph – **vr**
crustulata (Ach.) Hertel & Knoph – **c**
nigrocruenta (Anzi) Diederich & Sérus. – **vr**
soredizodes (Lamy) J.R.Laundon – **vr**
- PRONECTRIA** Clem.
 # *diplococca* Kocourk., Khodos., Naumovich, Vondrák & Motiej. – **vr**
 # *erythrinella* (Nyl.) Lowen – **vr**
 # *minuta* Motiej. & Kukwa – **vr**
 # *pertusariicola* Lowen – **vr**
 # *robergei* (Mont. & Desm.) Lowen – **rc**
 # *santessonii* (Lowen & D.Hawksw.) Lowen – **vr**
 # *xanthoriae* Lowen & Diederich – **rc**
- PROTOBLASTENIA** (Zahlbr.) J.Steiner
rupestris (Scop.) J.Steiner – **vr**
- PROTOPARMELIA** M.Choisy
badia (Hoffm.) Hafellner – **vr**
- PROTOPARMELIOPSIS** M.Choisy
muralis (Schreb.) M.Choisy – **c**
- PROTOHELENELLA** Räsänen
sphinctrinoides (Nyl.) H.Mayrhofer & Poelt – **vr**
- PSEUDEVERNIA** Zopf
furfuracea (L.) Zopf – **vc**
- PSEUDOROBILLARDA** Morelet
 # *peltigerae* Diederich – **vr**
- PSEUDOSCHISMATOMMA** Ertz & Tehler
rufescens (Pers.) Ertz & Tehler – **c**
- PSILOLECHIA** A.Massal.
clavulifera (Nyl.) Coppins – **rr**
lucida (Ach.) M.Choisy – **r**
- PSORA** Hoffm.
decipiens (Hedw.) Hoffm.
- PSOROGLAENA** Müll. Arg.
dictyospora (Orange) H.Harada – **vr**
- PUNCTELIA** Krog
jeckeri (Roum.) Kalb. – **vr**
subrudecta (Nyl.) Krog – **vr**
- PYCNORA** Hafellner
praestabilis (Nyl.) Hafellner – **vr**
sorophora (Vain.) Hafellner – **c**
- PYCNOTHELIA** (Ach.) Dufour
papillaria (Ehrh.) Dufour – **vr**
- PYRENOCHAETA** De Not.
 # *xanthoriae* Diederich – **rr**
- PYRENULA** (Weigel) Ach.
laevigata (Pers.) Arnold – **r**
nitida (Weigel) Ach. – **rr**
nitidella (Flörke ex Schaer.) Müll.Arg. – **c**
- PYRRHOSPORIA** Körb.
quernea (Dicks.) Körb. – **vr**
- RAMALINA** Ach.
baltica Lettau – **c**
dilacerata (Hoffm.) Hoffm. – **vr**
farinacea (L.) Ach. – **vc**
fastigiata (Pers.) Ach. – **vc**
fraxinea (L.) Ach. – **vc**
pollinaria (Westr.) Ach. – **rc**
thrausta (Ach.) Nyl. – **vr**
- RAMBOLDIA** Kantvilas & Elix
elabens (Fr.) Kantvilas & Elix – **vr**
- REFRACTOHILUM** D.Hawksw.
 # *peltigerae* (Keissl.) D.Hawksw. – **vr**
- REICHLINGIA** Diederich & Scheid.
leopoldii Diederich & Scheid. – **c**
- RHAPHIDICVRTIS** Vain.
 + *trichospora* (Nyl.) Vain. – **vr**
- RHIZOCARPON** Ramond ex DC.
badioatrum (Flörke ex Spreng.) Th.Fr. – **vr**
distinctum Th.Fr. – **r**
eupetraeum (Nyl.) Arnold – **r**
geographicum (L.) DC. ssp. *geographicum* – **vr**

- lecanorinum* Anders – r
 petraeum (Wulfen) A.Massal.
reductum Th.Fr. – c
viridiatrum (Wulfen) Körb. – vr
- RHYMBOCARPUS** Zopf
 # *aggregatus* Etayo & Diederich – vr
- RINODINA** (Ach.) Gray
aspersa (Borrer) J.R.Laundon – vr
efflorescens Malme – rr
exigua (Ach.) Gray – rc
gennarii Bagl. – vr
pyrina (Ach.) Arnold – rc
sophodes (Ach.) A.Massal. – r
subparieta (Nyl.) Zahlbr. – vr
- ROPALOSPORIA** A.Massal.
viridis (Tønsberg) Tønsberg – c
- ROSELLINIELLA** Vain.
 # *cladoniae* (Anzi) Matzer & Hafellner – r
- RUSAVSKIA** S.Y.Kondr. & Kärnefelt
elegans (Link) S.Y.Kondr. & Kärnefelt – rc
- SARCOGYNE** Flot.
regularis Körb. – c
- SARCOSAGIUM** A.Massal.
campestre (Fr.) Poetsch & Schied. – rc
- SAREA** Fr.
 + *difformis* (Fr.) Fr. – r
 + *resinae* (Fr.:Fr.) Kuntze – rc
- SCHAERERIA** Körb.
fuscocinerea (Nyl.) Clauzade & Cl.Roux – vr
- SCHISMATOMMA** Flotow & Körb. ex A.Massal.
pericleum (Ach.) Brant & Rostr. – r
- SCLEROPHORA** Chevall.
coniophaea (Norman) J.Mattsson & Middelb. – rc
farinacea (Chevall.) Chevall. – rc
pallida (Pers.) Y.J.Jao & Spooner – c
peronella (Ach.) Tibell – vr
- SCOLIOSPORUM** A.Massal.
chlorococcum (Graewe ex Stenh.) Vězda – c
gallurae Vězda & Poelt – vr
sarothamni (Vain.) Vězda – vr
umbrinum (Ach.) Arnold – rc
- SCUTULA** Tul.
 # *dedicata* Triebel, Wedin & Rambold – r
 # *miliaris* (Wallr.) Trevis. – vr
- SCYTINIUM** (Ach.) Gray
biatorinum (Nyl.) Leight. – rc
lichenoides (L.) Otálora, P.M.Jørg. & Wedin – rc
palmatum (Huds.) Gray – vr
- teretiusculum* (Wallr.) Otálora, P.M.Jørg. & Wedin – vr
- SKYTTELLA** D.Hawksw. & R.Sant.
 # *mulleri* (Willey) D.Hawksw. & R.Sant. – vr
- SOLOMINA** Ach.
spongiosa (Ach.) Anzi – Ex
- SPHAERELLOTHECIUM** Zopf
 # *araneosum* (Arnold) Zopf var. *cladoniae* Alstrup & Zhurb. – vr
 # *propinquellum* (Nyl.) Cl.Roux & Triebel – rr
- STAUROTHELE** Norman
ambrosiana (A.Massal.) Zschw. – vr
- STEINIA** Körb.
geophana (Nyl.) Stein. – rc
- STENOCYBE** (Nyl.) Körb.
 + *pullatula* (Ach.) Stein. – rc
- STEREOCAULON** Hoffm.
condensatum Hoffm. – rc
dactyllophyllum Flörke – vr
incrustatum Flörke – r
paschale (L.) Hoffm. – vr
taeniarum (H.Magn.) Kivistö – vr
tomentosum Fr. – c
- STIGMIDIUM** Trevis.
 # *collematis* Cl.Roux & Triebel – vr
 # *congestum* (Korb.) Triebel – vr
 # *microspilum* (Korb.) D.Hawksw. – vr
 # *peltideae* (Vain.) R.Sant. – vr
 # *pumilum* (Lettau) Matzer & Hafellner – vr
 # *xanthoparmeliarum* Hafellner – vr
- STRANGOSPORIA** Körb.
deplanata (Almq.) Clauzade & Cl.Roux – vr
moriformis (Ach.) Stein. – rc
pinicola (A.Massal.) Körb. – rc
- STRIGULA** Fr.
jamesii (Swinscow) R.C.Harris – vr
stigmatella (Ach.) R.C.Harris – r
- TAENIOLELLA** M.B.Ellis
 # *beschiana* Diederich – rr
 # *cladinicola* Alstrup – vr
 # *phaeophysciae* D.Hawksw. – r
 # *punctata* M.S.Christ. & D.Hawksw. – r
- TELOGALLA** Nik.Hoffm. & Hafellner
 # *olivieri* (Vouaux) Nik.Hoffm. & Hafellner – vr
- TEPHROMELA** M.Choisy
atra (Huds.) Hafellner – rc
- THELENELLA** Nyl.
pertusariella (Nyl.) Vain. – vr

- THELIDIUM** A.Massal.
incavatum Nyl. ex Mudd – vr
minutulum Körb. – rr
zwackhii (Hepp) A.Massal. – rc
- THELOCARPON** Nyl.
epibolum Nyl. var. *epibolum* – r
impresellum Nyl. – vr
intermediellum Nyl. – vr
lichenicola (Fuckel) Poelt & Hafellner – r
- THELLOMMA** A.Massal.
ocellatum (Körb.) Tibell – vr
- THELOTREMA** Ach.
lepadinum (Ach.) Ach. – rc
 ? *petractoides* P.M.Jørg. & Brodo – vr
- TRAPELIA** M.Choisy
coarctata (Sm.) M.Choisy – r
corticola Coppins & P.James – r
glebulosa (Sm.) J.R.Laundon – vr
placodioides Coppins & P.James – rc
- TRAPELIOPSIS** Hertel & Gotth.Schneid.
flexuosa (Fr.) Coppins & P.James – vc
glaucolepidea (Nyl.) Gotth.Schneid. – rr
granulosa (Hoffm.) Lumbsch – vc
pseudogranulosa Coppins & P.James – vr
viridescens (Schrad.) Coppins & P.James – vr
- TREMELLA** Pers.
 # *cladoniae* Diederich & M.S.Christ. – rc
 # *hypogymniae* Diederich & M.S.Christ. – vr
 # *lichenicola* Diederich – rr
 # *phaeophysciae* Diederich & M.S.Christ. – rc
 # *ramalinae* Diederich – r
- TRICHONECTRIA** Kirchst.
 # *anisospora* (Lowen) van den Boom & Diederich – r
 # *hirta* (A.Bolxam) Petch – vr
 # *rubefaciens* (Ellis & Everh.) Diederich & Schroers – vr
- TUCKERMANOPSIS** Gyelnik
chlorophylla (Willd.) Hale – c
- UMBILICARIA** Hoffm.
deusta (L.) Baumg. – r
polyphylla (L.) Funck – r
- USNEA** Dill. ex Adans.
barbata (L.) Weber ex F.H.Wigg. – rc
dasyypoga (Ach.) Nyl. – c
florida (L.) Weber ex F.H.Wigg. – Ex
glabrata (Ach.) Vain. – Ex
glabrescens (Nyl. ex Vain.) Vain. ex Räsänen – rc
- hirta* (L.) Weber ex F.H.Wigg. – c
lapponica Vain. – r
subfloridana Stirt. – c
substerilis Motyka – rr
wasmuthii Räsänen – r
- VARICELLARIA** Nyl.
hemisphaerica (Flörke) Schmitt & Lumbsch – rc
- VERRUCARIA** Schrad.
 ? *acrotella* Ach. – vr
aethiobola Wahlenb. – vr
ahtii Pykälä, Launis & Myllys – vr
aquatilis Mudd – rc
banatica Servít – vr
boblensis Servít – vr
bryoctona (Th.Fr.) Orange – rc
christiansenii Servít – vr
dolosa Hepp – rc
elaemelaena (A.Massal.) Anzi – vr
hydrela Ach. – c
illinoisensis Servít – vr
inaspecta Servít – vr
inornata Servít – vr
muralis Ach. – vc
nigrescens Pers. – vc
nigrofusca Servít – vr
praetermissa (Trevis.) Anzi – rc
trabicola Arnold ex Servít – vr
xyloxena Norman – rc
- VEZDAEA** Tscherm.-Woess & Poelt
acicularis Coppins – vr
aestivalis (Ohlert) Tscherm.-Woess & Poelt – rr
leprosa (P.James) Vězda – vr
rheocarpa Poelt & Döbbeler – vr
- VIOLELLA** T.Sprib.
fucata (Stirt.) T.Sprib. – c
- VOUAUXIELLA** Petr. & Sydow
 # *lichenicola* (Linds.) Petr. & Sydow – c
- VULPICIDA** J.-E.Mattsson & M.J.Lai
pinastri (Scop.) J.-E.Mattsson & M.J.Lai – c
- XANTHOCARPIA** A.Massal. & De Not.
crenulatella (Nyl.) Frödén, Arup & Søchting – vr
- XANTHOMENDOZA** S.Y.Kondr. & Kärnefelt
fulva (Hoffm.) Søchting, Kärnefelt & S.Y.Kondr. – rr
- XANTHOPARMELIA** (Vain.) Hale
conspersa (Ach.) Hale – c
loxodes (Nyl.) O.Blanco, A.Crespo, Elix, D.Hawksw. & Lumbsch – c

mougeotii (Schaer. ex D.Dietr.) Hale – **vr**
plitii (Gyeln.) Hale – **vr**
pulla (Ach.) O.Blanco, A.Crespo, Elix,
 D.Hawksw. & Lumbsch – **c**
stenophylla (Ach.) Ahti & D.Hawksw. – **rr**
verruculifera (Nyl.) O.Blanco, A.Crespo, Elix,
 D.Hawksw. & Lumbsch – **rr**

XANTHORIA (Fr.) Th.Fr.

parietina (L.) Th.Fr. – **vc**

XANTHORIICOLA D.Hawksw.

physciae (Kalchbr.) D.Hawksw. – **c**

XENONECTRIELLA Weese

leptaleae (J.Steiner) Rossman & Lowen – **vr**

XYLOGRAPHA Fr.

paralella (Pers.) Zahlbr. – **vr**

XYLOPSORA Bendiksby & Timdal

caradocensis (Nyl.) Bendiksby & Timdal – **rr**

friesii (Ach.) Bendiksby & Timdal – **rc**

ZWACKHIA Körb.

sorediifera (P.James) Ertz – **vr**

viridis (Ach.) Poetsch & Schied. – **rr**

ZWACKHIOMYCES Grube & Hafellner

diederichii D.Hawksw. & Iturr. – **vr**

LIST OF SYNONYMS

aenea, *Pseudosagedia* → *Porina aenea*
agardhiana, *Lecanora* → *Myriolecis agardhiana*
ahlesii, *Lecidea* → *Bryobilimbia ahlesii*
albescens, *Lecanora* → *Myriolecis albescens*
albescens, *Pertusaria* → *Lepra albescens*
alboatra, *Buellia* → *Diplotomma alboatrum*
albohyalina, *Lecidea* → *Biatora albohyalina*
amara, *Pertusaria* → *Lepra amara*
anastomosans, *Gyalideopsis* → *Jamesiella anastomosans*
anthracophila, *Hypocenomyce* → *Carbonicola anthracophila*
arbuscula ssp. *mitis*, *Cladonia* → *Cladonia mitis*
arbuscula ssp. *squarrosa*, *Cladonia* → *Cladonia arbuscula*
atra, *Opegrapha* → *Arthonia atra*
aurantiacum, *Marchandiobasidium* → *Erythricium aurantiacum*
aurantiacum, *Marchandiomyces* → *Erythricium aurantiacum*
bachmannii, *Syzygospora* → *Heterocephalacria bachmannii*

biatorinum, *Leptogium* → *Scytinium biatorinum*
borealis, *Lepraria* → *Lepraria neglecta* (pro parte)
botryosa, *Lecidea* → *Hertelidea botryosa*
brandii, *Bacidia* → *Bacidina brandii*
byssacea, *Arthonia* → *Inoderma byssacea*
caligans, *Bacidia* → *Bacidina caligans*
candelaria, *Xanthoria* → *Polycauliona candelaria*
caradocensis, *Hypocenomyce* → *Xylopsora caradocensis*
castaneocinerea, *Hypocenomyce* → *Carbonicola myrmecina*
cerinella, *Caloplaca* → *Athalia cerinella*
cervicornis ssp. *cervicornis*, *Cladonia* → *Cladonia cervicornis*
cervicornis ssp. *verticillata*, *Cladonia* → *Cladonia verticillata*
chlorophylla, *Cetraria* → *Tuckermanopsis chlorophylla*
chlorotica, *Pseudosagedia* → *Porina chlorotica*
christiansenii, *Bispora* → *Intralichen christiansenii*
christiansenii, *Hobsonia* → *Illosporiopsis christiansenii*
ciliata var. *tenuis*, *Cladonia* → *Cladonia ciliata* f. *flavicans*
citrina, *Caloplaca* → *Flavoplaca citrina*
corniculatum, *Leptogium* → *Scytinium palmatum*
crenulata, *Lecanora* → *Myriolecis crenulata*
crenulatella, *Caloplaca* → *Xanthocarpia crenulatella*
cristatum, *Collema* → *Lathagrium cristatum*
cytospora, *Phoma* → *Briancoppinsia cytospora*
decipiens, *Caloplaca* → *Calogaya decipiens*
degeliana, *Rinodina* → *Rinodina subparieta*
didactyla var. *extenuata*, *Peltigera* → *Peltigera extenuata*
dispersa, *Lecanora* → *Myriolecis dispersa*
elabens, *Pyrrhospora* → *Ramboldia elabens*
elegans, *Xanthoria* → *Rusavskia elegans*
exasperata, *Melanelia* → *Melanohalea exasperata*
exasperatula, *Melanelia* → *Melanohalea exasperatula*
fagicola, *Pachyphiale* → *Gyalecta fagicola*
ficuzzae, *Phoma* → *Didymocyrtis ramalinae*
filipendula, *Usnea* → *Usnea dasypoga*
flavocitrina, *Caloplaca* → *Flavoplaca flavocitrina*
flavorubescens, *Caloplaca* → *Gyalolechia flavorubescens*

- foliaceiphila*, *Phoma* → ***Didymocyrtis foliaceiphila***
friesii, *Hypocenomyce* → ***Xylopsora friesii***
fucatus, *Mycoblastus* → ***Violella fucata***
fuliginosa, *Melanelia* (pro parte) → ***Melanelixia glabrata***
fuliginosa, *Melanelia* → ***Melanelixia fuliginosa***
fulva, *Xanthoria* → ***Xanthomendoza fulva***
fulvovireagens, *Usnea* → ***Usnea glabrescens***
gibberulosa, *Melaspilea* → ***Hazslinszkya gibberulosa***
globulosa, *Bacidia* → ***Biatora globulosa***
globulosa, *Lecania* → ***Biatora globulosa***
gloeocapsa, *Bryophagus* → ***Cryptodiscus gloeocapsa***
hagenii, *Lecanora* → ***Myriolecis hagenii***
hemisphaerica, *Pertusaria* → ***Varicellaria hemisphaerica***
heppii, *Acarospora* → ***Caeruleum heppii***
heppii, *Myriospora* → ***Caeruleum heppii***
herbidella, *Caloplaca* → ***Blastenia herbidella***
holocarpa, *Caloplaca* → ***Athalia holocarpa***
hyalina, *Lecania* → ***Biatora globulosa***
hypnorum, *Mycobilimbia* → ***Bryobilimbia hypnorum***
infumata, *Melanelia* → ***Melanohalea infumata***
involuta, *Trapelia* → ***Trapelia glebulosa***
lapponina, *Arthopyrenia* → ***Arthopyrenia analepta***
leucopellaea, *Arthonia* → ***Felipes leucopellaeus***
leucostoma, *Pertusaria* → ***Pertusaria leioplaca***
lichenicola, *Trimmatostroma* → ***Intralichen lichenicola***
lichenicola, *Wentomyces* → ***Neocoleroa lichenicola***
lichenoides, *Calicium* → ***Calicium salicinum***
lichenoides, *Leptogium* → ***Scytinium lichenoides***
lichenum, *Bispora* → ***Intralichen lichenum***
limosum, *Collema* → ***Enchylimum limosum***
lobificans, *Lepraria* → ***Lepraria finkii***
loxodes, *Neofuscelia* → ***Xanthoparmelia loxodes***
merochlorophaea var. *novochlorophaea*, *Cladonia* → ***Cladonia novochlorophaea***
muralis, *Lecanora* → ***Protoparmeliopsis muralis***
muscigena, *Arthonia* → ***Bryostigma muscigenum***
naegelii, *Bacidia* → ***Lecania naegelii***
nivea, *Sclerophora* → ***Sclerophora pallida***
nyssaegenum, *Anisomeridium* → ***Anisomeridium polypori***
obscuratum, *Rhizocarpon* → ***Rhizocarpon reductum***
olivacea, *Melanelia* → ***Melanohalea olivacea***
ophthalmiza, *Pertusaria* → ***Lepra ophthalmiza***
oxyspora, *Phacopsis* → ***Nesolechia oxyspora***
palmatum, *Leptogium* → ***Scytinium palmatum***
panniformis, *Melanelia* → ***Montanelia panniformis***
parmeliae, *Nectriopsis* → ***Ovicuculispora parmeliae***
percrenata, *Trapeliopsis* → ***Trapeliopsis glaucolepidea***
persimilis, *Lecanora* → ***Myriolecis persimilis***
pharcidia, *Buellia* → ***Diplotomma pharcidium***
physciacearum, *Syzygospora* → ***Heterocephalacria physciacearum***
phlogina, *Caloplaca* → ***Polycauliona phlogina***
pineti, *Dimerella* → ***Coenogonium pineti***
piniperda, *Lecanora* → ***Lecanora albellula***
polycarpa, *Xanthoria* → ***Polycauliona polycarpa***
proximella, *Melaspilea* → ***Melaspileella proximella***
pseudeverniae, *Diederichia* → ***Didymocyrtis pseudeverniae***
pulla, *Neofuscelia* → ***Xanthoparmelia pulla***
punctiformis, *Arthopyrenia* → ***Naetrocymbe punctiformis***
pygmaea var. *athallina*, *Muellerella* → ***Muellerella erratica***
pygmaea var. *ventosicola*, *Muellerella* → ***Muellerella ventosicola***
pyracea, *Caloplaca* → ***Athalia pyracea***
ramalinae, *Vouauxiomyces* → ***Abrothallus suecicus***
rheithrophila, *Verrucaria* → ***Hydropunctaria rheithrophila***
ruana, *Arthonia* → ***Arthothelium ruanum***
rufescens, *Opegrapha* → ***Pseudoschismatomma rufescens***
rugosella, *Lecanora* → ***Lecanora chlarotera***
sabuletorum, *Mycobilimbia* → ***Bilimbia sabuletorum***
sambuci, *Lecanora* → ***Myriolecis sambuci***
santessonii, *Vouauxiomyces* → ***Abrothallus cetrariae***
saxicola, *Caloplaca* → ***Calogaya saxicola***
scabrata, *Usnea* → ***Usnea barbata***
semipallida, *Lecanora* → ***Myriolecis semipallida***
semipinnata, *Physcia* → ***Physcia leptalea***
septentrionalis, *Melanelia* → ***Melanohalea septentrionalis***
sorediata, *Melanelia* → ***Montanelia sorediata***
sorediifera, *Opegrapha* → ***Zwackhia sorediifera***

sorophora, *Hypocenomyce* → ***Pycnora sorophora***
sphaeroides, *Bacidia* → ***Mycobilimbia***
carneoalbida
sphaeroides, *Biatora* → ***Mycobilimbia***
carneoalbida
subargentifera, *Melanelia* → ***Melanelixia***
subargentifera
subaurifera, *Melanelia* → ***Melanelixia subaurifera***
subrugosa, *Lecanora* → ***Lecanora argentata***
tenax, *Collema* → ***Enchylium tenax***
teretiusculum, *Leptogium* → ***Scytinium***
teretiusculum
tuberculata, *Micarea* → ***Brianaria tuberculata***
ucrainica, *Xanthoria* → ***Polycauliona ucrainica***
umbellifera, *Omphalina* → ***Lichenomphalia***
umbellifera
varia, *Opegrapha* → ***Alyxoria varia***
verruculifera, *Neofuscelia* → ***Xanthoparmelia***
verruculifera
vezdae, *Fellhanera* → ***Fellhaneropsis vezdae***
viridis, *Opegrapha* → ***Zwackhia viridis***
vouauxii, *Leproloma* → ***Lepraria vouauxii***
vulgata var. *subsiderella*, *Opegrapha* → ***Opegrapha***
niveoatra

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PAPILDYTAS LIETUVOS KERPIŲ IR SU JOMIS SUSIJUSIŲ GRYBŲ SĄRAŠAS

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Santrauka

Straipsnyje pateikiamas naujas, papildytas, kerpės formuojančių, lichenofilinių ir su kerpėmis susijusių grybų sąrašas, iš viso 756 rūšys, užregistruotos Lietuvoje. Iš jų 621 rūšis yra kerpės, 115 rūšių – lichenofiliniai grybai ir 20 – saprotrofiniai grybai, ku-

rie įprastai analizuojami lichenologinėje literatūroje. Kiekvienai rūšiai nurodomas paplitimo dažnumas Lietuvoje, išskyrus dvylikai rūšių, žinomų tik iš literatūros duomenų. Kartu pateikti ir pastaruosius du dešimtmečius naudoti rūšių sinonimai.