

# Lichen flora of Finland – short history of Finnish lichenology and updated species statistics

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We present some statistics on Finnish lichens. The knowledge on taxonomy, distribution and ecology of Finnish lichens is extremely uneven between different lichen groups. At present 1708 lichen species are known from Finland. The number has increased by 20.4 % compared to Vitikainen et al. (1997), even when more than 100 species have been synonymized or proven to be erroneously reported from Finland. Most species are rare in Finland, and 204 species are known from one locality only. The proportion of lichen species known from Finland compared to estimated global number of lichen species is higher than among any other species-rich organism group. This outlines the importance of lichens as a crucial part of the Finnish biodiversity. Data on accepted species described from Finland (n=225) is presented.

## Introduction

Scientific research on Finnish lichens began in the 1850's (Nylander 1852), although some records occur in publications since the 1600's (Brenner 1896). William Nylander (1822–1899), who was born in Oulu, Finland, became the leading lichen taxonomist in the world, describing new species from all over the globe (Ahti 1990, Vitikainen 2001). Nylander also created the lichen floristics in Finland. He encouraged students to lichenological expeditions, arranged funding for them, created channels for publishing the results as well as identified numerous specimens collected by students (Vitikainen 1996). Nylander described a large number of new lichen species from Finland and e.g. contributed to the first published checklist on Finnish lichens (Vitikainen 1996). The latter half of the 1800's was a period of many lichen

expeditions to various parts of Finland (Brenner 1896, Vitikainen 1996, Stenroos et al. 2016). The studies by Edvard A. Vainio (1876–1929) (e.g. Vainio 1881, 1883) were also extremely important for increasing the knowledge on Finnish lichens. In the end of the 1800's the lichen flora of Finland was among the best known in the world.

After Nylander's death the research activity weakened. Nevertheless, new data on Finnish lichens accumulated, just more slowly (see Vitikainen 1996, Stenroos et al. 2016). It was important that Vainio returned to work on Finnish lichens in his old age and published four parts of "Lichenographia Fennica" (Vainio 1921–1934). After Vainio's death Veli Räsänen (1888–1953) became the leading lichenologist in Finland, although Räsänen was a schoolteacher and never had any scientific position at a university (Hakulinen 1956). In addition, many of our bot-

anists had some knowledge on lichens, usually macrolichens, and accumulated biogeographical data on them.

After Räsänen there was again some decline in the studies of Finnish lichen biota. However, the tradition of Finnish lichen taxonomy and biogeography was kept alive by Rainar Hakulinen, Teuvo Ahti and Orvo Vitikainen. Taxonomic studies made by Finnish lichenologists often covered the world, a tradition already started by Nylander. The trade-off of globalization of lichen taxonomy meant less effort on studying Finnish lichens. Globalization was also preferred by scientific funding agencies and possibilities to receive funding for studying Finnish lichen flora were somewhat limited.

Red-listing of species began in the 1980's and resulted also in more interest in the Finnish lichen flora and in the arising of a new generation of lichenologists. For more than a hundred years no checklist of Finnish lichens had been published. This serious shortcoming was corrected by Vitikainen et al. (1997) who published a checklist of Finnish lichens and allied fungi. Biogeographical data on the lichen flora of Finland was presented by Vitikainen (1998).

During the past two decades much new data on Finnish lichens has accumulated and a new checklist was published, as well (see Stenroos et al. 2016). This list was first updated for the new Finnish red-list of lichens (Pykälä et al. 2019) and later for the Finnish Biodiversity Information Facility (FinBIF) (Pykälä et al. 2021) (<https://laji.fi/en/theme/checklist>).

In this paper we present some statistics on the Finnish lichen flora. These figures are based on the recently published updated FinBIF list. We also discuss lichen species described from Finland. We only present data on lichenized fungi. Lichenicolous species and allied fungi are excluded.

## Statistics on Finnish lichen flora

The knowledge on taxonomy, distribution and ecology of Finnish lichens is extremely uneven between different lichen groups. Traditionally, macrolichens have been much better known than crustose lichens. For some lichens probably

50–100 % of their localities are known while for many others the coverage is probably 0–1 % of the localities. We estimate that for over 100 species probably more than half of their localities have been found. Furthermore, ecology and distribution of several hundred species is very poorly understood.

The number of lichen species known from Finland has increased during the recent decades. Vitikainen et al. (1997) listed 1420 lichen species, Stenroos et al. (2016) 1644 species and Pykälä et al. (2019) 1688 species. The current number of lichen species found from Finland is 1708. Thus, the increase is 20.3 % in just over 20 years compared to Vitikainen et al. (1997). More than 100 species have been synonymized or proved to be erroneously reported from Finland after Vitikainen et al. (1997), but c. 380 new species have been added to the checklist.

The most important habitats for lichens are rock outcrops, forests and fells. Altogether 838 species occur mostly on rock outcrops, 547 mostly in forests and 213 mostly on fells. 793 species (46.4 %) grow only or mainly directly on rock surface (epilithic species). 541 species (31.7 %) are epiphytic (including epixylic species). Other species grow on substrates such as soil and moss.

In Finland the south-north gradient is the most prominent gradient as the country is over 1100 kilometers long (Vitikainen 1998). Only 7.9 % of the lichens (135 species) have been found from all biogeographical provinces.

On the contrary, altogether 204 species have been found from one locality only, i.e. 11.9 % of all Finnish lichens. Such a high number of "one locality wonders" suggests that many species have not yet been detected. Species with only one known locality have been mostly found from southern or northernmost part of the country (Figure 1). Highest numbers are from the biogeographical provinces V (48), EnL (38), EH (26) and Ks (19). At commune level most are from the communes Enontekiö (38), Lohja (21), Kuusamo (18), Inari (12) and Parainen (9). 52 of them have been found before the year 1900, and none of these species have been recorded since. 70 species have been first found during the past 20 years.

During the recent decades studies on lichen biota have been focused particularly on habitat

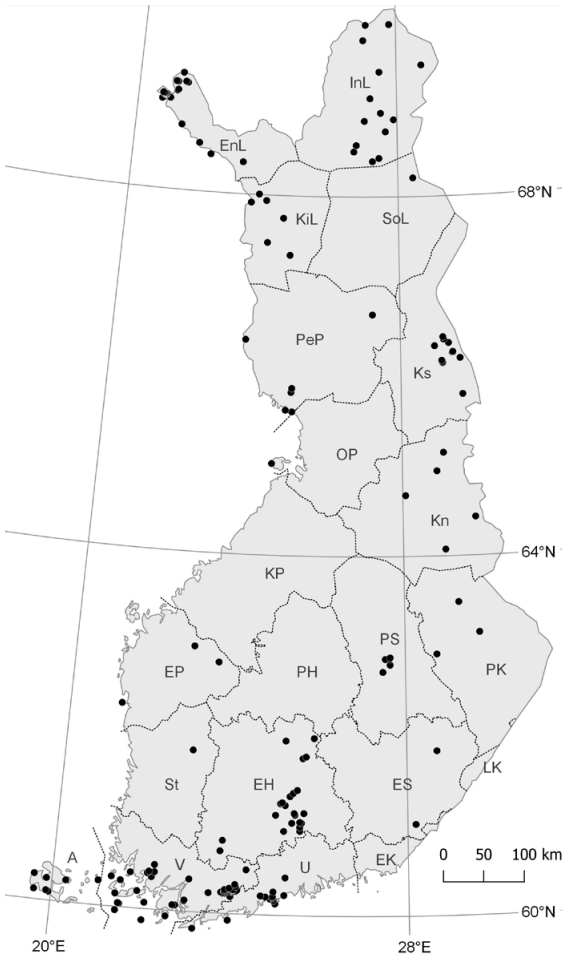


Fig. 1. Distribution of lichens found from one locality only in Finland.

types such as calcareous rocks and old-growth forests. This has resulted in a high number of species new to Finland. A particularly high number of lichens new to Finland have been reported from calcareous rocks (Pykälä 2017, 2018 and references in them). Nevertheless, most or all of them are old inhabitants but not recorded before because of high rarity or previous identification problems.

Based on recent studies it is evident that there may be hundreds of lichen species waiting to be found from Finland, from the field or from the herbaria. Most of these species are either difficult to identify or very rare habitat specialists with an extremely small Finnish population. Many semi-cryptic and cryptic species may also occur (Launis et al. 2019a).

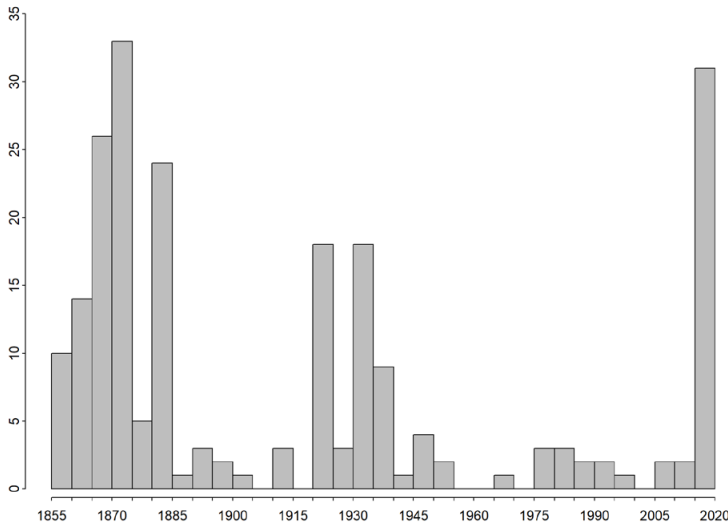
Even if the lichen flora of Finland is well known compared to most other countries of the world, it is less well known compared to birds, vascular plants and bryophytes, for instance. Why so many new lichen species are to be expected? We suggest several explanations. Finland is a relatively large country. The species number of lichens is higher than species number in well-known organism groups. These combined with a low number of lichenologists causes a rather low coverage. In addition, many species are extremely rare habitat specialists that should be intensively searched for in rare habitat types. Globalization of Finnish lichenology started very early. To search for new species has for a long time been unfashionable in science causing difficulties to get any funding. There are very few amateur lichenologists in Finland and the few amateurs search for lichens only besides their major interest organisms. No one has ever searched for new lichen species from Finland as their major long-term duty. The number of cryptic or semi-cryptic species may be high. Thus, in several lichen groups molecular studies may cause an increase in the number of species.

We expect that new species will mainly be found from habitat types already known to be rich in rare lichens. These include calcareous and serpentine rocks, fells, shores, old-growth forests and northern boreal forests. Finland is "a land of thousands of lakes", but lichens growing on shores have largely been neglected.

The proportion of lichen species known from Finland compared to estimated global number of lichen species is 8.2 % (Pykälä 2016). This is a larger proportion than among any other species-rich organism group. This outlines the importance of lichens as a crucial part of the Finnish biodiversity.

### Accepted lichen species described from Finland

Currently, 225 lichen species accepted on the Finnish checklist (i.e. 13.2 % of the Finnish lichen flora) have been originally described from Finland (Table 3). This is a slightly lower number than 15.6 % of the accepted taxa in Vitikainen et al. (1998), which, however, also included li-



◀ Fig. 2. Number of currently accepted species described from Finland during different time periods.

chencolous and allied fungi. Furthermore, 48 lichen species included in Vitikainen et al. are not accepted anymore as distinct species but are considered as synonyms and thus not counted here. Still, many of the species belong to taxonomically poorly known genera, and many nomenclatural changes are to be expected. Additionally, three species have their neotype from Finland.

More than half of the accepted species having their nomenclatural type from Finland were described between 1858–1898 ( $n=118$ ) (Figure 2). A considerable number of species ( $n=57$ ) were described during the years 1900–1950. Between the years 1951–2000 only fourteen new spe-

cies were described (including infraspecific taxa raised to the species level).

A total of 186 species (82.7 %) have been described by Finnish lichenologists. Even most species described by foreign lichenologists have been originally described as infraspecific taxa by Finnish lichenologists (usually Nylander or Vainio).

More than half of the species were described by W. Nylander and E. Vainio (Table 1). After Vainio V. Räsänen described several species. After Räsänen only few species were described during the latter half of the 2000s century, and most were described by foreign lichenologists (several of them were treated as infraspecific taxa by Nylander and Vainio). Between the years 1960–2000 Finnish lichenologists described only three new species from Finland (Brodo & Vitikainen 1984, Vitikainen 1985, Stenroos 1989) (Figures 3 and 4).

Within the past five years Finnish lichenologists have described 31 new lichen species from Finland (Pykälä & Mylly 2016, Pykälä et al. 2017a, b, 2018, 2018, 2020, Launis & Mylly 2019, Launis et al. 2019a, b). The most important driver for revival of Finnish lichen taxonomy has been the Research Program of Poorly Known and Threatened Forest Species financed by the Ministry of Environment (PUTTE) (2003–2016) (Juslén & Sirkiä 2013).

The most important collectors of the type specimens have been E. Vainio and J. P. Norrlin (Table 2). Most of those have been collect-

**Table 1 (left). Persons that have described more than two currently accepted lichen species from Finland.**

**Table 2 (right). Persons that have collected type specimens of more than three currently accepted lichen species described from Finland.**

Table 1		Table 2	
W. Nylander (1822–1899)	76	E. Vainio	68
E. Vainio (1876–1929)	55	J. P. Norrlin	50
L. Mylly	30	J. Pykälä	25
J. Pykälä	25	E. Nylander	12
V. Räsänen (1888–1953)	14	A. Kullhem	10
A. Kantelinen (A. Launis)	14	F. Silén	10
Th. Fries (1832–1913)	6	A. Kantelinen (A. Launis)	7
A. H. Magnusson (1885–1964)	6	W. Nylander	7
A. Kullhem (1839–1877)	4	V. Räsänen	7
		A. Koskinen	4
		A. J. Malmgren	4



▲ Fig. 3. *Peltigera retifoveata* Vitik., 8.8.2010 Kuusamo, Juuma. Photo J. Pykälä.

▼ Fig. 4. *Lecanora circumborealis* Brodo & Vitik., 30.3.2014 Inari, Saariselkä. Photo J. Pykälä.



ed from the biogeographical provinces EH (66), InL (22), V (22), U (19) and Ks (18). The number of accepted species from EH has much declined compared to the value given by Vitikainen (1998) (due to synonymizations) but is still clearly the highest among the biogeographical provinces.

Lichens described from Finland belong to 74 genera. Most of them (205 species, 91.1 %) are crustose lichens. The highest numbers of them are in the genera *Lecidea* (37), *Verrucaria* (30), *Micarea* (14) and *Lecanora* (11).

Dozens of lichens described from Finland have not been reported elsewhere. However, they usually belong to globally poorly known lichen groups, and are likely to occur outside Finland. Nevertheless, several of them may prove to be globally rare species.

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Table 3. Currently accepted lichen species described from Finland				
Scientific name and authors	Year as species	Basionym	Type citation in protologue	Publication as a taxon
<i>Acarospora admissa</i> (Nyl.) Kullh.	1867	<i>Lecanora admissa</i> Nyl.	"Finlandia, Kuhmois, ad saxa granitica (Norrlin, 1866)"	Flora 50: 370 (1867)
<i>Acarospora badiofusca</i> (Nyl.) Th. Fr.	1859	<i>Lecanora badiofusca</i> Nyl.	"ad saxa granitica in Lapponia, Enari (Edwin Nylander)"	Herbarium Musei Fennici 110 (1859)
<i>Acarospora castaneocarpa</i> M. Westb. & Wedin	2015		"Ab, Lohja, Paavola, N of Rautaniemi, stony SE-slope, young <i>Pinus sylvestris</i> -plantation, on calcareous stone, 6683436:3328796, 21.5.2005 J. Pykälä 26880 (H, holotype)"	in Ariyawansa et al., Fungal Diversity: 10.1007/s13225-015-0346-5, [105] (2015)
<i>Acarospora fennica</i> H. Magn.	1929		"Regio Åboensis: Tuorilan kartono ("estate of Tourilan") 1922 Räsänen (hb. Vain.), on a conduit of stone, by a mill"	Kongl. Svenska Vetensk.-Akad. Handl., ser. 3 7(4): 251 (1929)
<i>Acarospora moenium</i> (Vain.) Räsänen	1921	<i>Endocarpon moenium</i> Vain.	"Nylandia: Alppila prope Helsingforsiam (Vain.). Tavastia austr.: Templum in Hollola (Vain.), Templum in Tammela (" <i>Dermatocarpon garovagii</i> " in Kullh. Lich. Rar. Mustiala p. 276, Not. Sällsk. F. Fl. Fenn. Förh. XI, 1871)"	Acta Soc. Fauna Flora Fenn. 49(2): 85 (1921)
<i>Allocicium adaequatum</i> (Nyl.) M. Prieto & Wedin	1869	<i>Calicium adaequatum</i> Nyl.	"Ad corticem alni in Lapponia meridionali, Turtola, socium <i>Calicii byssacei</i> Fr., legit J. P. Norrlin (1867)"	Flora 52: 409 (1869)
<i>Arthonia aggregata</i> Vain.	1883		"in latere saxi granitici supra monyem Riihivaara in Karelia boreali"	Medd. Soc. Fauna Flora Fenn. 10: 156 (1883)
<i>Arthonia boreella</i> (Vain.) Zahlbr.	1922	<i>Arthonia punctiformis</i> subsp. <i>boreella</i> Vain.	"in regione pinifera Lapponiae Inarensis: ad corticem <i>Salicis capreae</i> prope Koppelo et ad corticem <i>alni</i> prope Veskoniemii"	Medd. Soc. Fauna Flora Fenn. 10: 159 (1883)
<i>Arthonia excipienda</i> (Nyl.) Leight.	1871	<i>Arthonia astroidea</i> var. <i>excipienda</i> Nyl.	"ad corticem fraxini"	Not. Sällsk. Fauna Fl. Fenn. Förh., Ny Ser. 1: 242 (1859) [1858-59]
<i>Arthonia incarnata</i> Almq.	1880		"lect est tantum in Suecia, Lögde et Sulä Medelpadiae (ubi ipsi frequenter legimus) et in Fennia, Tavastia Mustiala (Kullhem, qui primus inventi)"	Kongl. Svenska Vetensk.-Akad. Handl. Ser. 2 17(6): 18 (1880)
<i>Arthonia mediella</i> Nyl.	1859		"Ad alnos in Savolaxia"	Not. Sällsk. Fauna Fl. Fenn. Förh. 4: 238 (1859) [1858-59]
<i>Aspicilia epiglypta</i> (Norrl. ex Nyl.) Hue	1881	<i>Lecanora epiglypta</i> Norrl. ex Nyl.	"Supra saxa granitosa ad Helsingfors (Norrlin)"	Flora 64: 4 (1881)
<i>Aspicilia haeyrenii</i> (H. Magn.) Creveld	1939	<i>Lecanora hayerenii</i> H. Magn.	"Tavast. Bor.: Laukas, Seppälä Ilveslahti Linnaasaari 1911 Häyrén (Hfs.), on stone on the bank"	Kongl. Svenska Vetensk.-Akad. Handl. 17(5): 44 (1939)
<i>Aspicilia rimulosa</i> (H. Magn.) Vitik.	1939	<i>Lecanora rimulosa</i> H. Magn.	"Enare, Kaamasjoensum 1877 F. Silén (Hfs.) "in reg. pin." on feldspar with <i>Physcia</i> conf. <i>sciastra</i> "	Kongl. Svenska Vetensk.-Akad. Handl. 17(5): 62 (1939)
<i>Aspicilia verrucigera</i> Hue	1912		"Nyl. et Norrl. Herb. Lich. Fenn. 1880, n. 241, graniticola in Savonia media"	Nouv. Arch. Mus. Hist. Nat., Paris, 5 sér. 2: 48 (1912) [1910]
<i>Atla oulankaensis</i> Pykälä & Myllys	2016		"Koillismaa, Kuusamo, Juuma, Oulanka National Park, gorge Jäkälävuoma, calciferous (dolomitic) schistose rock outcrop, on NW-facing wall, 208 m, 66°15'N, 29°26'E, 16 August 2010, Pykälä 40105 (H - holotype)"	Lichenologist 48:115 (2016)
<i>Atla tibelliorum</i> Pykälä & Myllys	2016		"Enontekiön Lappi, Enontekiö, Porojärvet, Toskalharji, Toskaljärvi N, fell, calcareous alpine grassland, on dolomite pebbles, 730 m, 69°12'N, 21°26'E, 2 August 2011, Pykälä 43330 (H - holotype)"	Lichenologist 48:117 (2016)
<i>Atla vitikainenii</i> Pykälä & Myllys	2016		"Koillismaa, Salla, Oulanka National Park, W of Savikoski, cliff, dolomite rock outcrop, NE-facing wall, on pebbles, with <i>Verrucaria</i> cf. <i>inaspecta</i> Servit, 185 m, 66°25'N, 29°10'E, 17 August 2010, J. Pykälä 40222 (H - holotype)"	Lichenologist 48:118 (2016)
<i>Bacidia dolera</i> (Nyl.) Blomb. & Forssell	1873	<i>Lecidea dolera</i> Nyl.	"Ad corticem <i>abietis</i> in Finlandia media (Norrlin)"	Flora 56: 20 (1873)
<i>Bacidia igniarum</i> (Nyl.) Oxner	1867	<i>Lecidea igniarum</i> Nyl.	"In Finlandia, Tavastia, supra <i>Polyporum igniarum</i> vetustum (Norrlin 1863 et postea)"	Flora 50: 328 (1867)
<i>Bacidia inornata</i> (Nyl.) Blomb. & Forssell	1874	<i>Lecidea inornata</i> Nyl.	"In Finlandia, Hollola, cum <i>Verrucaria gibbosula</i> , super latus lapidis (E. Lang)"	Flora 57: 11 (1874)
<i>Bacidia rivulicola</i> (Vain.) Zahlbr.	1883	<i>Lecidea rivulicola</i> Vain.	"ad saxa dioritica in rivulo prope Kiannanniemi in par. Kianta"	Medd. Soc. Fauna Flora Fenn. 10: 11 (1883)
<i>Bacidia tenella</i> Kullh.	1871		"ad lignum <i>pini</i> , Riuska"	Not. Sällsk. Fauna Fl. Fenn. Förh. 8: 273 (1871) [1870]

Scientific name and authors	Year as species	Basionym	Type citation in protologue	Publication as a a taxon
<i>Biatora albohyalina</i> (Nyl.) Bagl. & Carestia	1874	<i>Lecidea anomala</i> f. <i>albohyalina</i> Nyl.	"ad corticem <i>alni</i> et <i>populi</i> in Ostrobotnia boreali orientali (A. Chydenius et K. P. Malmgren)"	Not. Sällsk. Fauna Fl. Fenn. Förh. 5: 203 (1861)
<i>Biatora hemipolia</i> (Nyl.) S. Ekman & Printzen	1895	<i>Lecidea arceutina hemipolia</i> Nyl.	no locality given	Flora 56: 294 (1873)
<i>Biatora ocelliformis</i> (Nyl.) Arnold	1865	<i>Lecidea ocelliformis</i> Nyl.	"In Finlandia media ad corticem <i>Sorbi aucupariae</i> . Legit prestantissimus J. P. Norrlin"	Flora 48: 145 (1865)
<i>Biatora pallens</i> (Kullh.) Printzen	1871	<i>Bilimbia pallens</i> Kullh.	"Mustiala, ad corticem <i>Tiliae</i> "	Not. Sällsk. Fauna Fl. Fenn. Förh. 8: 274 (1871) [1870]
<i>Biatora sphaeroidiza</i> (Vain.) Printzen & Holien	1934	<i>Lecidea sphaeroidiza</i> Vain.	"ad corticem ramorum et trunci <i>Abietis</i> in ins. Mjölo prope Helsingforsiam sat abundanter cum <i>L. helvola</i> et <i>L. epixanthoidiza</i> (Vain. a 1882)"	Acta Soc. Fauna Flora Fenn. 57(2): 399 (1934)
<i>Bryoria fuscescens</i> (Gyeln.) Brodo & D. Hawksw., nom. cons. prop.	1931	<i>Alectoria fuscescens</i> Gyeln.		Nyt Mag. Naturvidensk. 70: 55 (1932) [1931]
<i>Bryoria simplicior</i> (Vain.) Brodo & D. Hawksw.	1921	<i>Bryoria nidulifera</i> f. <i>simplicior</i> Vain.	"In Lapponia, praecipue in regione <i>pinifera</i> Inarensi"	Medd. Soc. Fauna Flora Fenn. 6: 115 (1881)
<i>Calicium denigratum</i> (Vain.) Tibell	1976	<i>Calicium curtum</i> var. <i>denigratum</i> Vain.	"ad truncum vetustum <i>pini</i> in ericeto prope pag. Lentiira in par. Kuhmo"	Medd. Soc. Fauna Flora Fenn. 6: 95 (1881)
<i>Calicium pinastri</i> Tibell	1999		"Finland, Ostrobotnia media, Lappajärvi, Isakspark, 6.IV.1907 Backman (holotype, H)"	Mycotaxon 70: 436 (1999)
<i>Caloplaca ahtii</i> Söchting	1994		"Finland. Kuusamo, Liikasenvaara, S-slope of hill Korvasvaara, 240-280 m, 23 August 1978 Söchting 3088 (C, holotype; H, isotype)"	Acta Bot. Fenn. 150: 173 (1994)
<i>Caloplaca borealis</i> (Vain.) Poelt	1969	<i>Lecanora pyracea</i> var. <i>borealis</i> Vain.	"ad Mujejärvi in par. Nurmes Kareliae borealis; in regione infralaponnica Ostrobotniae; ad Ohtosenvaara et Kylmäla in par. Kuhmo et ad Vasonniemi in par. Kianta; in regione <i>abietina</i> montis Päänuorunen in Lapponia Rossica; in regione <i>betulina</i> ; ad Köngas prope Mare glaciale; ad Koroppi in Karelia Rossica"	Medd. Soc. Fauna Flora Fenn. 6: 146 (1881)
<i>Caloplaca leucospilodes</i> (Nyl.) H. Olivier	1875	<i>Lecanora leucospilodes</i> Nyl.	"Supra lapides graniticos in Hollola (Lang)"	Flora 58: 360 (1875)
<i>Caloplaca pleiophora</i> (Nyl.) Th. Fr.	1865	<i>Lecanora pleiophora</i> Nyl.	"Ad corticem vetustum in <i>Alni</i> in Finlandia, Evois (Norrlin, 1865)"	Flora 48: 603 (1865)
<i>Caloplaca turkuensis</i> (Vain.) Zahlbr.	1929	<i>Placodium turkuense</i> Vain.	"Ad corticem in basi trunci <i>Ulmi montani</i> in Vartiovuori in Turku (leg. Vainio)"	Ann. Soc. Zool.-Bot. Fenn. Vanamo 9(8): 320 (1929)
<i>Candelariella coralliza</i> (Nyl.) H. Magn.	1875	<i>Lecanora coralliza</i> Nyl.	"In Finlandia saxicola Norrlin et Lang"	Flora 58: 15 (1875)
<i>Candelariella kuusamoënsis</i> Räsänen	1939		"Ks: Kuusamo, Rukatunturi, wo ich i.J. 1934 diese Art auch an Felsenmoosen im Halbschatten"	Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo 12(1): 56 (1939)
<i>Candelariella lutella</i> (Vain.) Räsänen	1939	<i>Lecanora xanthostigma</i> var. <i>lutella</i> Vain.	"Luhanka: Vanhoinen ja Tammijärvi; Korpilahti: Putkilähti; lepän kuorella"	Medd. Soc. Fauna Flora Fenn. 3: 102 (1878)
<i>Candelariella vainioana</i> Hakul.	1954		"Die Holotype, gesammelt 1874 von E. A. Vainio in Finnland, Süd-Häme "Hollola, Häyhtö, in lapide", befindet sich unter der Nummer 4230 in der Sammlung Vainio in Turku"	Ann. bot. Soc. Zool.-Bot. fenn. Vanamo 27(3): 100 (1954)
<i>Carbonicola anthracophila</i> (Nyl.) Bendiksby & Timdal	1865	<i>Lecidea anthracophila</i> Nyl.	"Ad lignum <i>pini carbonatum</i> in Finlandia, Evois, legit Norrlin"	Flora 48: 603 (1865)
<i>Catillaria chloroticella</i> (Nyl.) Zahlbr.	1866	<i>Lecidea chloroticella</i> Nyl.	"In Finlandia media, Tavastia, supra pileum vetustum <i>Polyporii ignarii</i> , legit Norrlin"	Flora 49: 85 (1866)
<i>Catillaria erysiboides</i> (Nyl.) Th. Fr.	1859	<i>Lecidea erysiboides</i> Nyl.	"ad truncos <i>pini</i> putridos prope Helsingfors"	Not. Sällsk. Fauna Fl. Fenn. Förh., Ny Ser. 1: 232 (1859) [1858-59]
<i>Cetrariella commixta</i> (Nyl.) A. Thell & Kärnefelt	1860	<i>Platysma commixtum</i> Nyl.	"Supra rupes in montibus elevatis Europæ mediae et Scandinaviae"	Syn. Meth. Lich. 1(2): 310 (1860)
<i>Cetrariella fastigiata</i> (Nyl.) Kärnefelt & A. Thell	1977	<i>Cetraria delisei</i> subsp. <i>fastigiata</i> Delise ex Nyl.	"1 tall. reg. mellan Hetta - Ounastunturi"	in Norrl. Not. Sällsk. Fauna Fl. Fenn. Förh. 13: 325 (1873)
<i>Chaenotheca gracillima</i> (Vain.) Tibell	1881	<i>Coniocybe gracillima</i> Vain.	"ad lignum putridum loco umbroso sicco in monte Kalliovaara in par. Lieksa Kareliae borealis"	Medd. Soc. Fauna Flora Fenn. 6: 97 (1881)
<i>Cladonia bacilliformis</i> (Nyl.) Sarnth.	1896	<i>Cladonia cameola</i> var. <i>bacilliformis</i> Nyl.	"Supra truncos cariosos <i>pini</i> , simul cum <i>Cladonia botryte</i> , in sylvis ad Helsingfors"	Syn. Meth. Lich. 1(2): 201 (1860)



Scientific name and authors	Year as species	Basionym	Type citation in protologue	Publication as a a taxon
<i>Cladonia borealis</i> S. Stenroos	1989		"Finland, Etelä-Häme, Ylöjärvi: Pengonpohja, mossy rock outcrop, 25.VII.1905 A. A. Sola (H, holotype; BM, isotype)"	Ann. Bot. Fenn. 26: 160 (1989)
<i>Cladonia subfurcata</i> (Nyl.) Arnold	1885	<i>Cladonia degenerans</i> f. <i>subfurcata</i> Nyl.	"Vid Muonio, Kätkesu'anto och nära Lompolutunturi på sumpig mark"	In Norrlin, Not. Sällsk. Fauna Fl. Fenn. Förh. 13: 320 (1874)
<i>Clauroxia chalybeoides</i> (Nyl.) D. Hawksw.	1875	<i>Lecidea chalybeoides</i> Nyl.	"Supra saxa quartzosa in Finlandia (Lang)"	Flora 58: 12 (1875)
<i>Cliostomum leprosum</i> (Räsänen) Holien & Tønsberg	1939	<i>Catillaria leprosa</i> Räsänen	"Tavastia borealis: Saarijärvi, Pyhäjärvi, ad caudicem basalem <i>Piceae excelsae</i> in piceeto juxta viam publicam, 11.VIII.1937 Arvo Koskinen"	Lich. Fenn. Exs.: no. 492 (1939)
<i>Collemopsidium argilospilum</i> (Nyl.) Coppins & Aptroot	1874	<i>Verrucaria argilospila</i> Nyl.	"In Finlandia, Hollola, supra terram argillaceam (Norrlin)"	Flora 57: 15 (1874)
<i>Collemopsidium iocarpum</i> (Nyl.) Nyl.	1861	<i>Pyrenopsis iocarpa</i> Nyl.	"Supra scopulos graniticos ad Christinestad juxta ipsam aquam maris (A. J. Malmgren, 1859)"	Not. Sällsk. Fauna Fl. Fenn. Förh. 5: 26 (1861)
<i>Cryptothele granuliformis</i> (Nyl.) Henssen	1859	<i>Collema granuliforme</i> Nyl.	"ad rupes graniticas humidias simul cum <i>Phylisco endocarpoide</i> prope Helsingfors. Perperam granuliferum in Herb. M. F."	Not. Sällsk. Fauna Fl. Fenn. Förh., Ny Ser. 1: 30 (1859) [1858-59]
<i>Dermatocarpon deminuens</i> Vain.	1921		"In rupe granitica decliva in monte Korkmäki in par. Finby in Regione Aboënsi (Vain.)"	Acta Soc. Fauna Flora Fenn. 49(2): 15 (1921)
<i>Dermatocarpon meiophyllizum</i> Vain.	1921		"supra rupem graniticam saepe inundatum in rivulo ad Tali in par. Helsinge et in latere rupis subirrigato in Gesterby in par. Sibbo in Nylandia (Vain.)"	Acta Soc. Fauna Flora Fenn. 49(2): 14 (1921)
<i>Epilichen glauconigellus</i> (Nyl.) Hafellner	1861	<i>Lecidea glauconigella</i> Nyl.	"ad saxa in regione aboënsi, Merimasku, lecta a cl P. A. Karsten"	Not. Sällsk. Fauna Fl. Förh. 5: 238 (1861)
<i>Evernia mesomorpha</i> Nyl.	1861		"ad rupes in Savolaxia, Taipalsaari, eam sterilem legit Edwin Nylander (1852)"	Not. Sällsk. Fauna Fl. Förh. 5: 74 (1861)
<i>Fuscopannaria confusa</i> (P. M. Jørg.) P. M. Jørg.	1991	<i>Pannaria confusa</i> P. M. Jørg.	"Satakunta, Kullaa, ad septentrionem versus ab lacu Joutsijärvi, ad caudicem tenuiore decorticatum arboris prolapsae in valle silvae frondosae, 29.VIII.1938, Matti Laurila (H, holotypus; BG, BM, UPS, isotypi)"	Ann. Bot. Fenn. 28: 87 (1991)
<i>Gregorella humida</i> (Kullh.) Lumbsch	1870	<i>Biatora humida</i> Kullh.	"supra terram argillaceam Kaukijärvi"	Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 274 (1871) [1870]
<i>Ionaspis obtecta</i> (Vain.) R. Sant.	1878	<i>Lecanora obtecta</i> Vain.	"late est distributa in Fennia"	Medd. Soc. Fauna Flora Fenn. 3: 107 (1878)
<i>Japewia tornöensis</i> (Nyl.) Tønsberg	1859	<i>Lecidea tornöensis</i> Nyl.	"Ad corticem pini loco in Tengeliö, limite meridionali Lapponiae Tornoënsis (Edwin Nylander)"	Herb. Mus. Fenn.: 110 (1859)
<i>Lambiella gyrizans</i> (Nyl.) M. Westb. & Resl.	1861	<i>Lecidea gyrizans</i> Nyl.	"ad rupes montis Bötömfället sat frequens"	Not. Sällsk. Fauna Fl. Fenn. Förh. 7: 83 (1861)
<i>Lecanora anopta</i> Nyl.	1873		"super ligna saepium in Finlandia, Hollola (Norrlin)"	Flora 56: 292 (1873).
<i>Lecanora apochroeoidea</i> Vain.	1883		"ad ligna subputridum pini loco aprico prope Kultala in regione coniferarum mixtarum Lapponiae Inarenis"	Medd. Soc. Fauna Flora Fenn. 10: 207 (1883)
<i>Lecanora chloroleprosa</i> (Vain.) H. Magn.	1952	<i>Lecanora chlorophaeodes</i> subsp. <i>chloroleprosa</i> Vain.	"ad saxa aprica locis ventosis in Karelia boreali et Hoglandia atque Tavastia (Luhanka: Judinsalo) legi. in Kar. boreali ad pagum Lieksa (paroe. Pielisjärvi)"	Medd. Soc. Fauna Flora Fenn. 3(3): 105 (1878)
<i>Lecanora chlorophaeodes</i> Nyl.	1873		"saxicola in Finlandia (Norrlin)"	Flora 56: 290 (1873)
<i>Lecanora circumborealis</i> Brodo & Vitik.	1984		"holotype: Finland prov. Tavastia australis, Padasjoki, supra ramos <i>betulae</i> , 1873 J. P. Norrlin (as <i>L. chlorona</i> var. <i>coilocarpa</i> (Ach.) Nyl., Norrl. & Nyl.)"	Mycotaxon 21: 288 (1984)
<i>Lecanora hypoptoides</i> (Nyl.) Nyl.	1867	<i>Lecidea hypoptoides</i> Nyl.	"Finlandia, Tavastia, ad lignum (Norrlin)"	Flora 50: 371 (1867)
<i>Lecanora kariana</i> Räsänen	1936		"Lk. Kittilä Pallastunturit Mustavaara. Auf Granitein"	in Kari: Ann.Univ. Turkuensis A 4(6): 13 (1936)
<i>Lecanora leptacinella</i> Nyl.	1871		"Leutsuvaara på en bergvägg (granit)"	in Norrlin, Not. Sällsk. Fauna Fl. Fenn. Förh. 13: 330 (1871)
<i>Lecanora leptyroides</i> (Nyl.) G. B. F. Nilsson	1931	<i>Lecanora angulosa</i> (Schreb.) Ach. var. <i>leptyroides</i> Nyl.	absent	Flora 57: 16 (1874), not validly published
<i>Lecanora pseudohypopta</i> Vain.	1883		"ad saepimentum prope Kettula in par. Kianta"	Medd. Soc. Fauna Flora Fenn. 10: 206 (1883)
<i>Lecanora stenotropa</i> Nyl.	1872		"haud rara in Scandinavia"	Flora 55: 251 (1872)
<i>Lecanora tanaënsis</i> Nyl.	1877		"Supra terram sabulosam in Lapponia, Utsjoki (Silén)"	Flora 60: 458 (1877)

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<i>Lecidea albofuscens</i> Nyl.	1867		"Finlandia, Evois, ad corticem <i>abietis</i> (Norrlin, 1866)"	Flora 50: 370 (1867)
<i>Lecidea amphoteroides</i> Vain.	1934		"Kb: loco abcondito in latere rupis chloritico-schistosæ ad Hiidenportti in par. Nurmes (" <i>Lecidea pycocarpa</i> * <i>L. amphotera</i> in Vain. Adj. Lich. Lapp. II, 1883, p. 109)"	Acta Soc. Fauna Flora Fenn. 57(2): 20, 289 (1934)
<i>Lecidea apochroella</i> Nyl.	1865		"Ad lignum putridum prope urbem Borgoam in Finlandia meridionali (Th. Saelen)"	Flora 48: 6 (1865)
<i>Lecidea aviaria</i> Vain.	1934		"supra saxa littoralia aviaria in ins. Blåskär in Ingå (W. Brenner)"	Acta Soc. Fauna Flora Fenn. 57(2): 84 (1934)
<i>Lecidea betulicola</i> (Kullh.) H. Magn.	1871	<i>Biatora betulicola</i> Kullh.	"ad corticem <i>betulae</i> " [Mustiala]	Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 275 (1871) [1870]
<i>Lecidea cavernarum</i> (Räsänen) H. Magn.	1947	<i>Biatora cavernarum</i> Räsänen	"Al, Mariehamn, ad rupem graniticam in caverna subumbrosa, leg. 1924 E. A. Vainio"	Ann. bot. Soc. Zool.-Bot. fenn. Vanamo 21(16): 5 (1946)
<i>Lecidea consimilis</i> Nyl.	1867		"In Finlandia, Evois, ad lignum vetustum legit Norrlin (1865)"	Flora 50: 178 (1867)
<i>Lecidea cuculi</i> Vain.	1934		"N: saxa granitica loco aperto ventosoque in summo Monte Kukubacka (collis cuculi) in Sibbo, una cum <i>Rhizocarpus geographicus</i> "	Acta Soc. Fauna Flora Fenn. 57(2): 248 (1934)
<i>Lecidea cupuliformis</i> (Räsänen) H. Magn.	1950	<i>Biatora cupuliformis</i> Räsänen	"PH, Saarijärvi, Opisto. Ad basim <i>Pini silvestris</i> , super corticem per leprosum, leg. 1949 Arvo Koskinen"	Arch. Soc. Zool. Bot. fenn. Vanamo 5(1): 30 (1951)
<i>Lecidea demolita</i> Vain.	1934		"in rupe gneissacea et micareo-schistosa in montibus Observatorii Helsingforsiae a. 1882 a me collecta (loco nunc demolito)"	Acta Soc. Fauna Flora fenn. 57(2): 325 (1934)
<i>Lecidea enterophaea</i> Vain., nom illeg.	1883		"ad lapides granulíticos in regione subalpina jugi Suolonselkä in Lapponia"	Meddel. Soc. Fauna Flora Fennica 10: 108 (1883)
<i>Lecidea extenuata</i> Vain.	1883		"ad rupem graniticam in regione subalpina jugi Suolonselkä in Lapponia parce fortuito que lecta"	Medd. Soc. Fauna Flora Fenn. 10: 78 (1883)
<i>Lecidea heliophila</i> Räsänen	1936		"Lk. Kittilä Keimiötunturi (Kari, 1925). Auf Exponierten kieselhaltigen Steinen"	in Kari, Ann.Univ. Turkuensis A 4(6): 31 (1936)
<i>Lecidea helsinkiensis</i> Vain.	1934		"in rupe granitica in Gumtäckat prope Helsingforsiam a me a. 1881 collecta"	Acta Soc. Fauna Flora Fenn. 57(2): 322 (1934)
<i>Lecidea hypochlorella</i> Vain.	1883		"ad lapicem graniticam loco aprico ventosoque in jugo Suolonselkä"	Medd. Soc. Fauna Flora Fenn. 10: 26 (1883)
<i>Lecidea ivalensis</i> Vain.	1883		"ad rupem granuliticam in regione subalpina montis Hammastunturi prope flumen Ivalojoki in Lapponia Inarensis cum <i>L. coracina crescens</i> "	Medd. Soc. Fauna Flora Fenn. 10: 65 (1883)
<i>Lecidea keimioënsis</i> Vain.	1934		"ad rupem dioriticam in Keimiötunturi in Kittilä (L. Kari)"	Acta Soc. Fauna Flora Fenn. 57(2): 92 (1934)
<i>Lecidea koskinenii</i> (Räsänen) H. Magn.	1939	<i>Biatora koskinenii</i> Räsänen	"Om: Haapajärvi, beim Krankenhaus des Kirchdorfs, an Kiefer (leg. A. Koskinen 3.VII.1937)"	Ann. bot. Soc. Zool.-Bot. fenn. Vanamo 21(1): 154 (1939)
<i>Lecidea melaphanoides</i> Nyl.	1875		"Supra saxa granitica prope Helsingfors (E. Lang)"	Flora 58: 299 (1875)
<i>Lecidea microphaea</i> Nyl.	1866		"In Finlandia, Tavastia, legit J. P. Norrlin (1865). Supra <i>Polyporum fomentarium vetustum</i> "	Flora 49: 84 (1866)
<i>Lecidea montanella</i> Vain.	1934		"L. Enont.: ad terram argillaceam in reg. <i>Betulina</i> ad Pättikkö ..."	Acta Soc. Fauna Flora Fenn. 57(2): 371 (1934)
<i>Lecidea nugaria</i> Nyl.	1875		"Supra saxa lacustria in Finlandia, Korpilahti (Lang)"	Flora 58: 446 (1875)
<i>Lecidea olivascens</i> Th. Fr.	1874		"Ad corticem <i>Alni</i> prope Mustiala Fenniae mediae, socia <i>Pertusariae protuberanti</i> (P. A. Karsten)"	Lichenogr. Scand., vol. I, pars. II: 471 (1874)
<i>Lecidea paracitica</i> Nyl.	1872		"Ad lignum pini, in Finlandia, Mustiala (Kullhem)"	Flora 55:355 (1872)
<i>Lecidea phaeopelidna</i> Vain.	1883		"ad corticem salicis desiccatae in abiegno prope Hossa in par. Kianta"	Medd. Soc. Fauna Flora Fenn. 10: 99 (1883)
<i>Lecidea phaeostigmella</i> Nyl.	1867		"In Finlandia, Paldamo, supra pileum vetustum <i>Polypori fomentarii</i> , legit 1866 Silén"	Flora 50: 177 (1867)
<i>Lecidea plebeja</i> Nyl.	1865		"Ad lignum <i>pini</i> in Finlandia media (Norrlin)"	Flora 48: 148 (1865)
<i>Lecidea prasinolepis</i> (Nyl.) Th. Fr.	1874	<i>Lecidea vernalis</i> subsp. <i>prasinolepis</i> Nyl.	"supra terram humosam in Enari (Edwin Nylander)"	Not. Sällsk. Fauna Fl. Förh. 5: 202 (1861)
<i>Lecidea rhagadiella</i> (Nyl.) Th. Fr.	1869	<i>Lecanora rhagadiella</i> Nyl.	"Lapponia, Kilpisjoki, ad saxa granitica (Norrlin)"	Flora 52: 409 (1869)
<i>Lecidea stenotera</i> (Nyl.) Nyl.	1866	<i>Lecidea dovrensis</i> var. <i>stenotera</i> Nyl. in Saelen	"Supra terram in Lapponia, Enari (Edwin Nylander)"	Herb. Mus. Fenn.: 111 (1859)

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<i>Lecidea subfuscescens</i> Vain., nom. illeg.	1883		"ad corticem desiccatum <i>salicis</i> prope Veskoniem"	Medd. Soc. Fauna Flora Fenn. 10: 100 (1883)
<i>Lecidea subhumida</i> Vain.	1883		"supra lignum pini prope Paatsjoki in regione <i>pinifera</i> Lapponiæ Inarenensis"	Medd. Soc. Fauna Flora Fenn. 10: 50 (1883)
<i>Lecidea subinsequens</i> Nyl.	1873		"Lignicola in Lapponia (Norrlin)"	Flora 56(19): 289 (1873)
<i>Lecidea submilvina</i> Vain.	1883		"in rupe granitica littorali ad lacum Inarijärvi in regione <i>pinifera</i> Lapponiæ Inarenensis"	Medd. Soc. Fauna Flora Fenn. 10: 43 (1883)
<i>Lecidea swartzioidea</i> Nyl.	1859		"ad saxa gneissacea insularum Alandiae"	Not. Sällsk. Fauna Fl. Fenn. Förh. 4: 240 (1859) [1858-59]
<i>Lecidea sylvestris</i> Vain.	1934		"ad corticem sorbi in horto Kaisaniemi Helsingforsiae (Vain. a. 1874)"	Acta Soc. Fauna Flora Fenn. 57(2): 400 (1934)
<i>Lecidea tianensis</i> Vain.	1934		"Ta: ad corticem piceae excelsae prope Tianen in Korpilahti"	Acta Soc. Fauna Flora Fenn. 57(2): 242 (1934)
<i>Lepra ophthalmiza</i> (Nyl.) Hafellner	1865	<i>Pertusaria multipuncta</i> var. <i>ophthalmiza</i> Nyl.	"in Lapponia Kemensi legit Edwin Nylander"	Not. Sällsk. Fauna Fl. Förh. 5: 180 (1861)
<i>Lepraria diffusa</i> (J. R. Laundon) Kukwa	1989	<i>Leprroloma diffusum</i> J. R. Laundon	"lääni Oulu, Paltamo, Melalahti, Viilonkallio, ad rupem dolomiticam, 11 October 1959, A. J. Huuskonen & L. Heikkinen [Hakulinen, Lichenotheca Fennica exs. no. 1293] (BM - holotypus)"	Lichenologist 21: 16 (1989)
<i>Lepraria neglecta</i> (Nyl.) Lettau	1859	<i>Lecidea neglecta</i> Nyl.	"supra muscos pulvinatos minores (Grimmias et Andreaes), quos (ad saxa granitica) incrustans obducit, prope Helsingfors"	Not. Sällsk. Fauna Fl. Fenn. Förh., Ny Ser. 1: 233 (1859) [1858-59]
<i>Leproplaca chrysojeta</i> (Vain.) J. R. Laundon ex Ahti	1931	<i>Placodium chrysojetum</i> Vain. ex Räs.	"In Finby, Regio aboënsis, gefunden. E. A. Vainio, s. 19"	Medd. Soc. Fauna Flora Fenn. 47: 229 (1921)
<i>Leptochidium crenatum</i> (Nyl.) P. M. Jørg.	2006	<i>Leptogium rivulare</i> var. <i>crenatum</i> Nyl.	"in Norrl. Lapp. p. 315, e Kilpiskoski"	Flora 58: 106 (1875)
<i>Lichinodium sirosiphoideum</i> Nyl.	1875		"In Finlandia, Hollola, supra thallum <i>Parmeliae saxatilis saxicolae</i> (Lang)"	Flora 58: 297 (1875)
<i>Melanelixia subaurifera</i> (Nyl.) O. Blanco et al.	1873	<i>Parmelia subaurifera</i> Nyl.	"Ad corticem <i>pini</i> , <i>populi</i> et <i>salicis</i> in Finlandia et quoque ibi lignicola"	Flora 56: 22 (1873)
<i>Melanohalea exasperatula</i> (Nyl.) O. Blanco et al.	1873	<i>Parmelia exasperatula</i> Nyl.	"Corticola in Finlandia media (Norrlin)"	Flora 56: 299 (1873)
<i>Micarea anterior</i> (Nyl.) Hedl.	1875	<i>Lecidea anterior</i> Nyl.	"Supra ligna putrescentia in Finlandia media (Norrlin et Lang)"	Flora 58: 299 (1875)
<i>Micarea botryoides</i> (Nyl.) Coppins	1980	<i>Lecidea apochroella</i> var. <i>botryoides</i> Nyl.	"In Finlandia, Evois, ad lignum putridum (Norrlin)"	Flora 50: 373 (1867)
<i>Micarea czarnotae</i> Launis, van den Boom, Sérusiaux & Myllys	2019		"Finland, Varsinais-Suomi, Nummi-Pusula, Myllypuro, mixed forest between Vahermanjärvi and Tarkeelanjärvi, near River Myllypuro, on bark of <i>Pinus sylvestris</i> , in N-facing shaded and moist microhabitat, YKJ N6719586, E3335308, 2011, Launis 109111 (H - holotype)"	Lichenologist 51: 18 (2019)
<i>Micarea fallax</i> Launis & Myllys	2019		Finland, Varsinais-Suomi: Karkkila, Myllypuro, mixed forest between Lake Vahermanjärvi and Lake Tarkeelanjärvi, near Myllypuro River, on bark of <i>Pinus sylvestris</i> , in shaded and moist microhabitat, WGS84 lat. 60°33.18022; long. 23°59.67047; 10 Sep 2011, A. Launis 1091115 (holotype H)"	Mycologia 111: 579 (2019)
<i>Micarea fennica</i> Launis & Myllys	2019		"Finland, Pohjois-Häme, Rautalampi, Kalajanvuori, mixed old-growth forest dominated by <i>Betula</i> spp., <i>Picea abies</i> , <i>Pinus sylvestris</i> and <i>Populus tremula</i> . On standing dead <i>P. sylvestris</i> (1.4 m tall), on soft lignum. Together with <i>M. prasina</i> , WGS-84: Lat. 62° 34,74664; Lon. 26° 42,03070; 11.6.2015, Launis 3220 holotype (H), isotype (E)"	Phytotaxa 409: 182 (2019)
<i>Micarea laeta</i> Launis & Myllys	2019		"Finland, Etelä-Häme, Jyväskylä, Korpilahti, <i>Picea abies</i> -dominated mixed managed forest, on bark of standing decaying <i>Betula</i> sp., on shaded N-side of the tree, YKJ E3418597, N6885262, 5 September 2015, Launis 59153a (H - holotype), 59153b (E - isotype)"	Lichenologist 51: 19 (2019)
<i>Micarea lapillicola</i> (Vain.) Coppins & Muhr	1883	<i>Lecidea lapillicola</i> Vain.	"ad lapillos et lapides graniticos et gneissaceos in jugo arenoso aprico prope templum parce ciae Kuhmo in regione infralapponica"	Medd. Soc. Fauna Flora Fenn. 10: 107 (1883)

Scientific name and authors	Year as species	Basionym	Type citation in protologue	Publication as a a taxon
<i>Micarea melanobola</i> (Nyl.) Coppins	1867	<i>Lecidea melanobola</i> Nyl.	"Finlandia, Kuhmois, ad corticem abietis (Norrlin, 1866)"	Flora 50: 371 (1867)
<i>Micarea microareolata</i> Launis, Pykälä & Myllys	2019		"Finland, Etelä-Savo, Jyväskylä, Korpilahti, <i>Picea abies</i> -dominated mixed managed forest, on bark of standing decaying <i>Picea abies</i> , YKJ E3418403, N6885234, 2015, Launis 59152 (H - holotype)"	Lichenologist 51: 21 (2019)
<i>Micarea misella</i> (Nyl.) Hedl.	1892	<i>Lecidea anomala</i> f. <i>misella</i> Nyl.	"ad ligna vetusta in Finlandia meridionali"	Not. Sällsk. Fauna Fl. Förh. 5: 202 (1861)
<i>Micarea pseudomicrococca</i> Launis & Myllys	2019		"Finland, Etelä-Häme, Jämsä, Hallinmäki Nature Reserve, <i>Betula</i> sp./ <i>Picea abies</i> -dominated oldgrowth forest, on bark of decaying <i>Betula</i> stump, YKJ E3401759, N6894425, 2015, Launis 59151 (H - holotype)"	Lichenologist 51: 22 (2019)
<i>Micarea pusilla</i> Launis, Malíček & Myllys	2019		"Finland. Uusimaa: Tuusula, near Korso, shaded and dense <i>Picea abies</i> -dominated managed forest, on wood of fallen decaying (early stage) <i>Picea abies</i> , WGS84 lat. 60°21.26638 long. 25°1.93227' 10 Oct 2013, A. Launis 101035 (holotype H)"	Mycologia 111: 587 (2019)
<i>Micarea submilliaria</i> (Nyl.) Coppins	1869	<i>Lecidea submilliaria</i> Nyl.	"Supra terram in Lapponia, pone Leutsowaara (Norrlin)"	Flora 52: 410 (1869)
<i>Micarea vulpinaris</i> (Nyl.) Muhr	1869	<i>Lecidea vulpinaris</i> Nyl.	"Lignicola in Lapponia infera, Alkula (Norrlin)"	Flora 52: 410 (1869)
<i>Miriquidica leucophaeoides</i> (Nyl.) Hertel & M. P. Andreev	1870	<i>Lecidea leucophaeoides</i> Nyl.	"Ad saxa in Finlandia boreali, Kuusamo (Silén)"	Flora 53: 35 (1870)
<i>Miriquidica nigroleprosa</i> (Vain.) Hertel & Rambold	1883	<i>Lecanora nigroleprosa</i> Vain.	"in latere scopuli granitici prope Suomula in par. Kianta"	Medd. Soc. Fauna Flora Fenn. 10: 208 (1883)
<i>Miriquidica plumbeoatra</i> (Vain.) A. J. Schwab & Rambold	1883	<i>Lecidea plumbeoatra</i> Vain.	"ad saxa granitica littoralia in insula Kynsaari lacus Pielsjärvi in Karelia boreali"	Medd. Soc. Fauna Flora Fenn. 10: 82 (1883)
<i>Miriquidica ventosa</i> (Vain.) Timdal	1934	<i>Lecidea ventosa</i> Vain.	"Loco ventoso in littore lacus Päijänne in latere rupis graniticae in Rappukallio in Korpilahti et in scopulo erratico in Onkisalo in Luhanka (Ta.)"	Acta Soc. Fauna Flora Fenn. 57(2): 39 (1934)
<i>Ochrolechia mahuensis</i> Räsänen	1947		"Tb, Saarijärvi, Mahlu. Ad corticem <i>Pini silvestris</i> , leg. 1944 Arvo Koskinen"	Ann. Bot. Soc. Zool-Bot. Fenn. Vanamo 21: 1 (1947)
<i>Ochrolechia microstictoides</i> Räsänen	1936		"Ostrobotnia borealis: Simo, Simonkylä, Pahnilankangas, ad corticem <i>Juniperi communis</i> , 15.VII.1936 V. Räsänen"	Lich. Fenn. Exs.: no. 226 (1936)
<i>Opegrapha catarrhapha</i> (Vain.) H. Olivier	1914	<i>Opegrapha abscondita</i> subsp. <i>catarrhapha</i> Vain.	"In regione <i>pinifera</i> Lapponiae Inarensis: in latere scopuli granitici ad montem Ruottuivaara aundanter crescens"	Medd. Soc. Fauna Flora Fenn. 10: 152 (1883)
<i>Ophioparma lapponica</i> (Räsänen) Hafellner & R. W. Rogers	1931	<i>Haematomma lapponicum</i> Räsänen	"In Lapponia fennica et in Petsamo ad saxa granitica"	Ann. Acad. Scient. Fenn. Ser. A 34(4): 67 (1931)
<i>Orphniospora moriopsoides</i> (Vain.) comb. ined.	1931	<i>Lecidea atrata</i> subsp. <i>moriopsoides</i> Vain.	"ad rupem granuliticam in regione subalpina jugi Suolonselkä in Lapponia Inarensi"	Medd. Soc. Fauna Flora Fenn. 10: 152 (1883)
<i>Parmelia fraudans</i> (Nyl.) Nyl.	1875	<i>Parmelia saxatilis</i> subsp. <i>fraudans</i> Nyl.	"Ad saxa vel intermuscos in Savolaxia (Edwin Nylander) et prope Kajana (K. P. Malmgren)"	Not. Sällsk. Fauna Fl. Förh. 5: 100 (1861)
<i>Parvoplaca suspiciosa</i> (Nyl.) Arup, Söchting & Frödén	1880	<i>Lecanora suspiciosa</i> Nyl.	"Supra corticem <i>populi</i> ad Waehae Niva in Lapponia (Norrlin)"	Flora 63: 388 (1880)
<i>Peltigera extenuata</i> (Nyl. ex Vain.) Lojka	1886	<i>Peltigera canina</i> var. <i>extenuata</i> Nyl. ex Vain.	"in Mus. Fenn., Norrl. Tav. p. 178"	Medd. Soc. Fauna Flora Fenn. 2: 49 (1878)
<i>Peltigera lepidophora</i> (Nyl. ex Vain.) Bitter	1904	<i>Peltigera canina</i> var. <i>lepidophora</i> Vain.	"inter muscos ad muros vallorum prope <i>Viburcum</i> . In par. Lammi (Tavastiae), inter muscos ad rupem, ann. 1871 legi atque ad terram argillaceam in decline ripæ prope Jyväskylä a. 1873"	Medd. Soc. Fauna Flora Fenn. 2: 49 (1878)
<i>Peltigera retifoveata</i> Vitik.	1985		"Finland. Prov. Koillismaa. Kuusamo: Juuma, Jäkälävuoma, about 180 m, among mosses on ground, 1981 Vitikainen 10135 (H, holotypus, BM, CANL, GZU, LE, NY, S, TNS, UPS, US, W, isotypii)"	Ann. Bot. Fenn. 22: 296 (1985)
<i>Pertusaria atropallida</i> Vain.	1881		"ad corticem <i>abietis</i> in abiegno in monte Näränkavaara parociae Kuusamo (reg. abietina)"	Medd. Soc. Fauna Flora Fenn. 6: 180 (1881)
<i>Pertusaria poriniza</i> Nyl.	1874		"In Finlandia, Padasjoki, supra corticem alni (E. Lang)"	Flora 57: 8 (1874)
<i>Pertusaria raesaenenii</i> Erichsen	1934		"Finland (Ostrobotnia): an <i>Populus tremula</i> bei Simo; 12.6.1915, leg. V. Räsänen"	Feddes Repert. 35: 386 (1934)

Scientific name and authors	Year as species	Basionym	Type citation in protologue	Publication as a a taxon
<i>Physcia alnophila</i> (Vain.) Loht., Moberg, L. Myllys & Tehler	2009	<i>Physcia aiopila</i> f. <i>alnophila</i>	"In Karelia boreali et regione infralaponnica pluribus locis annotata et lecta; in regione coniferarum mixtarum ad Ivalojoiki et in regione <i>pinifera</i> ad Veskonieni in par. Inari"	Medd. Soc. Fauna Flora Fenn. 6: 136 (1881)
<i>Physcia subalbinea</i> Nyl.	1874		"Muscicola in Finlandia, Hollola (Norrlin)"	Flora 57: 306 (1874)
<i>Placynthium pannariellum</i> (Nyl.) H. Magn.	1859	<i>Pterygium pannariellum</i> Nyl.	"supra rupes graniticas Savolaxiæ simul cum <i>Verrucaria umbrina</i> , apricas lacuum"	Not. Sällsk. Fauna Fl. Fenn. Förh., Ny Ser. 1: 236 (1859) [1858-59]
<i>Porpidia ochrolemma</i> (Vain.) Brodo & R. Sant.	1881	<i>Pertusaria ochrolemma</i> Vain.	"ad saxa dioritica littoralia interdum in insula Kynsi-saari et alia insula lacus Pielisjärvi prope Kopras in par. Nurmes Kareliæ borealis; ad saxa dioritica inunda in rivulo prope Saarijärvi in par. Kianta (in regione infralaponnica)"	Medd. Soc. Fauna Flora Fenn. 6: 180 (1881)
<i>Protothelenella sphinctrinoides</i> (Nyl.) H. Mayrhofer & Poelt	1858	<i>Verrucaria sphinctrinoides</i> Nyl. 1858	"Supra muscos in Lapponia, ad Patsjoki in Enari, eam legit Edwin Nylander"	Not. Sällsk. Fauna Fl. Fenn. Förh., 4: 6 (1858) [1858-59]
<i>Psilolechia clavulifera</i> (Nyl.) Coppins	1869	<i>Lecidea clavulifera</i> Nyl.	"In Lapponia, supra radices <i>abietis</i> dejectæ (J. P. Norrlin)"	Flora 52: 294 (1869)
<i>Psorotichia fuliginascens</i> (Nyl.) Forssell	1873	<i>Collemopsis fuliginascens</i> Nyl.	"ad saxa micaceo-schistosa in Finlandia, Asikkala (Norrlin)"	Flora 56: 289 (1873)
<i>Pterygiopsis concordatula</i> (Nyl.) P. M. Jørg.	1875	<i>Pyrenopsis concordatula</i> Nyl.	"Supra lapides riparios in Finlandia, Korpilahti (Lang)"	Flora 58: 440 (1875)
<i>Pycnora sorophora</i> (Vain.) Hafellner	1981	<i>Lecidea xanthococca</i> subsp. <i>sorophora</i> Vain.	"Ta: Ad lignum truncis erectis <i>Pini silvestris</i> in turfosis ad Tianen et Soima in Korpilahti. Okaj.: Paltamo (F. Silén, 13040 in hb. Nyl.)"	Lichenogr. Fenn. 4: 237 (1934)
<i>Pyrenopsis grumulifera</i> Nyl.	1861		"supra saxa granitica in Ostrobottnia australi, Jurva, eam legit cl. A. J. Malmgren"	Not. Sällsk. Fauna Fl. Förh. 5: 26 (1861)
<i>Pyrenopsis haemalella</i> (Nyl.) Blomb. & Forssell	1877	<i>Euopsis haemalella</i> Nyl.	"Supra saxa granitica in Finlandia, litti (F. Silén)"	Flora 60: 457 (1877)
<i>Ramboldia insidiosa</i> (Th. Fr.) Hafellner	1867	<i>Lecidea insidiosa</i> Th.Fr.	"Parasitisk på skorpan och apothecierna af <i>Lecanora subfusca</i> och <i>varia</i> vid Mustiala i Finland, upptäckt och benäget meddelad af Dr. A. Kullhem"	Bot. Not. 153 (1867)
<i>Rhaphidicyrtis trichosporella</i> (Nyl.) Vain.	1874	<i>Mycoporum trichosporellum</i> Nyl.	"In Finlandia, Padasjoki, supra corticem <i>betulae</i> (E. Lang)"	Flora 57: 14 (1874)
<i>Rhizocarpon anaperum</i> (Vain.) Vain.	1883	<i>Lecidea anapera</i> Vain.	"ad lapillos graniticos in regione subalpina montis Iivaara in par. Kuusamo"	Medd. Soc. Fauna Flora Fenn. 10: 141 (1883)
<i>Rhizocarpon cinereonigrum</i> Vain.	1922		"ad saxum diabasicum in Kuusto in Tammela in Ta (A. Kullhem)"	Acta Soc. Fauna Flora Fenn. 53(1): 332 (1922)
<i>Rhizocarpon eupetraeum</i> (Nyl.) Arnold	1870	<i>Lecidea eupetraeae</i> Nyl.	"ad saxa in Suecia (ipse), in Finlandia (Silén) et in Lapponia (Norrlin)"	Flora 53: 36 (1870)
<i>Rhizocarpon inarense</i> (Vain.) Vain.	1898	<i>Lecidea chionophila</i> subsp. <i>inarenis</i> Vain.	"In latere rupis graniticæ ad Veskonieni in regione <i>pinifera</i> Lapponiæ Inarenis"	Medd. Soc. Fauna Flora Fenn. 10: 124 (1883)
<i>Rhizocarpon saanaënsae</i> Räsänen	1942		"Le. Enontekiö Saanaavaara 1867 (J. P. N., typus)"	Ann. Bot. Soc. Vanamo 16(12): 61 (1942)
<i>Rhizocarpon submodestum</i> (Vain.) Vain.	1883	<i>Lecidea submodesta</i> Vain.	"ad rupem graniticum in regione subalpina jugi Suolonselkä in Lapponia Inarenis"	Medd. Soc. Fauna Flora Fenn. 10: 137 (1883)
<i>Rinodina deflectens</i> (Nyl.) Blomb. & Forssell	1875	<i>Lecanora deflectens</i> Nyl.	"In Finlandia, Hollola, saxicola (Lang)"	Flora 58: 8 (1875)
<i>Rinodina mniaroeiza</i> (Nyl.) Arnold	1870	<i>Lecanora mniaroeiza</i> Nyl.	"supra muscos in Finlandia et in Lapponia (Silén et Norrlin)"	Flora 53: 33 (1870)
<i>Rinodina muscicola</i> H. Magn.	1947		"Finland. Tav. austr.: Hollola, E. Lang (=Vainio) 1871, called <i>Lecanora sophodes</i> * <i>laevigata</i> f. <i>muscicola</i> by Nyl. in Hb. (Hfs)"	Acti Horti Gothob. 17: 234 (1947)
<i>Sagedia simoënsis</i> (Räsänen) A.Nordin, Savić & Tibell	1925	<i>Aspicilia simoënsis</i> Räsänen	"Primum lecta, in Ostrobottnia boreali, par. Simo, ad saxum jugi Pahnila"	Medd. Soc. Fauna Flora Fenn. 50: 39 (1925)
<i>Sarcogyne hypophaeoides</i> Vain. ex H. Magn.	1935		"Finland. Tavast. or.: Luhanka, Keikäsniemi, E. A. Lang (später Vainio). Deutschland, Schlesien: Krummhübel b. Schmiedeberg B. Stein (Berlin)"	Rabenh. Krypt.-Fl., Ed. 2 9(Abt. 5/1): 84 (1935)
<i>Schaereria parasemella</i> (Nyl.) Lumbsch	1868	<i>Lecidea parasemella</i> Nyl.	"Supra thallum <i>Lecideae vernalis</i> in Lapponia Pahtvaara (Norrlin)"	Flora 51: 344 (1868)

Scientific name and authors	Year as species	Basionym	Type citation in protologue	Publication as a a taxon
<i>Schaereria sereniior</i> (Vain.) Vitik.	1913	<i>Lecidea tenebrosa</i> subsp. <i>somphotera</i> var. <i>sereniior</i> Vain.	"ad rupem graniticam in insula Inarijärvi in regione <i>pinifera</i> Lapponiæ"	Medd. Soc. Fauna Flora Fenn. 10: 88 (1883)
<i>Scoliosporum intrusum</i> (Th. Fr.) Hafellner	1867	<i>Lecidea intrusa</i> Th. Fr.	"bland <i>Lecidea panæola</i> vid Mustiala (Finland), upptäckt af Dr. A. Kullhem"	Bot. Not.: 152 (1867)
<i>Scutula circumspecta</i> (Vain.) Kistenich, Timdal, Bendiksbys & S. Ekman	1895	<i>Lecidea bacillifera</i> var. <i>circumspecta</i> Nyl. ex Vain.	"in Norrli. & Nyl. H.L.F. No 185"	Medd. Soc. Fauna Flora Fenn. 10: 22 (1883)
<i>Spilonea revertens</i> Nyl.	1865		"Ad saxa granitica et micareo-schistosa in Finlandia media, Asikkala, jam 1863 detectum a praestantissimo J. P. Norrlin"	Flora 48: 601 (1865)
<i>Steinia geophana</i> (Nyl.) Stein	1861	<i>Lecidea geophana</i> Nyl.	"supra terram argillaceam prope Raumo lecta a praeclear P. A. Karsten"	Not. Sällsk. Fauna Fl. Förh. 5: 212 (1861)
<i>Strangospora torvula</i> (Nyl.) R. A. Anderson	1875	<i>Lecidea torvula</i> Nyl.	"In Finlandia, Luhanko, supra saxa granitica (E. Lang), socia <i>Lecideae eupetraeae</i> "	Flora 58: 9 (1875)
<i>Thelidium incinctum</i> (Vain.) Vain.	1921	<i>Verrucaria pyrenophora</i> var. <i>incincta</i> Vain.	"ad saxum gneissaceum prope Porontimajärvi, in par. Kuusamo legit F. Silén"	Medd. Soc. Fauna Flora Fenn. 10: 170 (1883)
<i>Thelidium microstictum</i> Vain.	1921		"Regio Aboënsis: Kaukasalo in Finby (Vain.). In latere praerupto rupis calcariae"	Acta Soc. Fauna Flora Fenn. 49(2): 123 (1921)
<i>Thelidium olivaceonitens</i> Vain.	1921		"In rupe gneissacea umbrosa ad Päivärinne prope Kuopio in Savonia bor. (K. Linkola)"	Acta Soc. Fauna Flora Fenn. 49(2): 127 (1921)
<i>Thelocarpon depressellum</i> Vain.	1883		"ad lignum putridum in littore turfoso stagni prope Pietari in par. Kianta in regione infralapponica Ostro-botniæ"	Medd. Soc. Fauna Flora Fenn. 10: 198 (1883)
<i>Thelocarpon impressellum</i> Nyl.	1867		"In Finlandia, Padasjoki, ad saxa micaceo-schistosa sylvae <i>betulinae</i> , legit Norrlin 1866"	Flora 50: 179 (1867)
<i>Thelocarpon intermediellum</i> Nyl.	1865		"Ad lignum <i>alni</i> putrescens in Finlandia media (Norrlin)"	Flora 48: 261 (1865)
<i>Toniniopsis illudens</i> (Nyl.) Kistenich, Timdal, Bendiksbys & S. Ekman	1870	<i>Lecidea illudens</i> Nyl.	"In Finlandia boreali, Kuusamo, supra muscos destructos (Silén)"	Flora 53: 34 (1870)
<i>Verrucaria ahtii</i> Pykälä, Launis & Myllys	2017		"Finland, Varsinais-Suomi, Lohja, Lohja, NW of Tytyri lime processing factory, high road bank, on pebbles enriched by calciferous dust, 53 m, 60°15'N, 24°04'E, 6 February 2008, J. Pykälä 32349 (H - holotype)"	Lichenologist 49: 108 (2017)
<i>Verrucaria bifurcata</i> Pykälä, Kantelinen & Myllys	2020		"Holotype. Finland. Varsinais-Suomi, Länsi-Turunmaa (Parainen), Ersby, 150 m SE of Stormossen, abandoned lime quarry, quarry waste hill, S-slope, on pebbles, 27 m alt., 60°17'N, 22°15'E, 3 Sept 2009 J. Pykälä 36722 (H9205739)"	MycKeys 72: 54 (2020)
<i>Verrucaria cavernarum</i> Pykälä & Myllys	2020		"Holotype. Finland. Koillismaa, Kuusamo, Oulanka National Park, Mataraniemi, shore of Oulankajoki river, treeless stony river shore, on dolomite stones, 145 m alt., 66°22'N, 29°20'E, 26 Aug 2011, J. Pykälä 45168 (H9205102)"	MycKeys 72: 57 (2020)
<i>Verrucaria cinereolurida</i> Vain.	1921		"In latere rupis subcalcariae in Kaukasalo in par. Finby (Vain.) et ad saxum gneissaceum in Kuusisto (A. Kullhem) in regione aboënsi"	Acta Soc. Fauna Flora Fenn. 49(2): 70 (1921)
<i>Verrucaria deversa</i> Vain.	1921		"Regio aboënsis: Kaukasalo et Förby in par. Finby (Vain.). Nylandia: Juvas in pag. Gesterby in Sibbo (Vain.). Nylandia: Degerö prope Helsingforsiam (Vain.). Kuusamo: ad Kuoppaaja prope Paanajärvi (Vain.)"	Acta Soc. Fauna Flora Fenn. 49(2): 49 (1921)
<i>Verrucaria difficilis</i> Pykälä & Myllys	2020		"Holotype. Finland, Varsinais-Suomi, Karkkila, Haavisto, 100 m S of E-part of litalammi, S-slope, clear cut herb-rich forest, on calcareous stone, 60°31'N, 24°23'E, 123 m alt., 7 June 2008 J. Pykälä 32687 (H9205096)"	MycKeys 72: 60 (2020)
<i>Verrucaria epilitha</i> Vain.	1921		"Regio aboënsis: Kalkkimäennokka ad Ristiniemi inter terram firmam et Isosaari in par. Karjalohja (C. E. Boldt)"	Acta Soc. Fauna Flora Fenn. 49(2): 51 (1921)
<i>Verrucaria fuscicolorida</i> Vain.	1921		"ad saxa granitica (forsan litoralia) in Alandia (Edwin Nylander), <i>V. margacea</i> ", sec. determ. W. Nylandri in mus. Fenn."	Acta Soc. Fauna Flora Fenn. 49(2): 71 (1921)
<i>Verrucaria fuscozonata</i> Pykälä, Kantelinen & Myllys	2020		"Holotype. Finland. Koillismaa, Kuusamo, Oulanka National Park, Pikkuköngäs, N shore of river Oulankajoki, dolomite rock outcrop, on SW-facing wall, 160 m alt., 66°22'N, 29°19'E, 12 Aug 2009, J. Pykälä 36222 (H)"	MycKeys 72: 63 (2020)

Scientific name and authors	Year as species	Basionym	Type citation in protologue	Publication as a a taxon
<i>Verrucaria helsingiensis</i> Vain.	1921		"ad caementum muri in Alppila ad Helsingforsiam, a. 1884 legi"	Acta Soc. Fauna Flora Fenn. 49(2): 52 (1921)
<i>Verrucaria inverecundula</i> Pykälä & Myllys	2019		"Finland, Koillismaa, Kuusamo, Oulanka National Park, Kiutaköngäs N, steep S-slope, <i>Pinus sylvestris</i> -dominated forest, dolomite rock outcrop, on SW-facing wall, scarce, 182 m, 66°22'N, 29°19'E, 19 August 2010 J. Pykälä 40328 (H - holotype)"	Nova Hedwigia 109: 498 (2019)
<i>Verrucaria juankoskiensis</i> Pykälä & Myllys	2019		"Finland, Pohjois-Karjala, Juankoski, Siikajärvi, Huosiaisniemi, nature reserve, <i>Picea abies</i> -dominated herb-rich forest, dolomite rock outcrop, steep W-slope, on pebbles, 102 m, 63°12'N, 28°21'E, 25 July 2011 J. Pykälä 42783 (H - holotype)"	Nova Hedwigia 109: 499 (2019)
<i>Verrucaria kiskoensis</i> Pykälä & Myllys	2019		"Finland, Varsinais-Suomi, Salo (Kisko), Haapaniemi, Iso Sorronlahti 200 m N, <i>Picea abies</i> -dominated herb-rich forest, abandoned lime quarry, on N-facing wall, 47 m, 60°13'N, 23°30'E, 31 May 2010, J. Pykälä 37663 (H - holotype)"	Nova Hedwigia 109: 502 (2019)
<i>Verrucaria kuusamoensis</i> Pykälä, Kantelinen & Myllys	2020		"Finland. Koillismaa, Kuusamo, Juuma, Oulanka National Park, Hautaniitynuoma, gorge, dolomite rock outcrop, on high NE-facing wall, 190 m alt., 66°15'N, 29°26'E, 21 Aug 2011, J. Pykälä 44703 (H9205113 – holotype, UPS – isotype)"	MycKeys 72: 65 (2020)
<i>Verrucaria lapponica</i> Pykälä	2017		"Finland, Enontekiön Lappi, Enontekiö, Porojärvet, Toskalharji, Toskaljärvi N, fell, dolomite scree, gentle SE-slope, on dolomite pebbles, 710 m, 69°12'N, 21°26'E, 2 August 2011, J. Pykälä 43190 (H - holotype)"	Lichenologist 49: 30 (2017)
<i>Verrucaria modica</i> Pykälä & Myllys	2019		"Finland, Varsinais-Suomi, Salo (Särkisalo), Kaukosalo, Pyölinmäki, abandoned lime quarry, quarry spoil heap, on calcareous pebbles, 15 m, 60°07'N, 22°58'E, 17 June 2011, J. Pykälä 42186 (H - holotype)"	Nova Hedwigia 109: 503 (2019)
<i>Verrucaria othmarbreussii</i> Pykälä & Myllys	2017		"Finland, Varsinais-Suomi, Parainen (Korpoo), Äfvensår, Ronudden, calcareous rock on shore of the Baltic Sea, small abandoned lime quarry, under overhanging NW-facing wall, on flat rock, 2 m, 60°17'N, 21°32'E, 15 July 2011, J. Pykälä 38937 (H - holotype; UPS - isotype)"	Lichenologist 49: 33 (2017)
<i>Verrucaria oulankaensis</i> Pykälä & Myllys	2017		"Finland, Koillismaa, Salla, Oulanka National Park, Pikkuköngäs, shore of river Oulankajoki, high cliff, calciferous (dolomite) schistose rock outcrop, on SW-facing wall, 180 m, 66°25'N, 29°09'E, 10 August 2009, J. Pykälä 36100 (H - holotype)"	Lichenologist 49: 113 (2017)
<i>Verrucaria polystictoides</i> Vain.	1921		"ad cementum muri in castello Savonlinna in Savonia austr. (O. Carlenius)"	Acta Soc. Fauna Flora Fenn. 49(2): 69 (1921)
<i>Verrucaria raesaenenii</i> Pykälä & Myllys	2019		"Finland, Varsinais-Suomi, Salo (Kiikala), Saari, Kalkkimäki, abandoned lime quarry, on SE-facing wall, 105 m, 60°25'N, 23°40'E, 4 July 2009, J. Pykälä 34626 (H - holotype)"	Nova Hedwigia 109: 504 (2019)
<i>Verrucaria saanaensis</i> Pykälä	2017		"Finland, Enontekiön Lappi, Enontekiö, Kilpisjärvi, Saana, Nature Reserve, E-part, fell, steep SW-slope, alpine grassland, on dolomite boulder, scarce, 730 m, 69°02'N, 20°51'E, 12 August 2011 J. Pykälä 44219 (H - holotype; UPS - isotype)"	Lichenologist 49: 34 (2017)
<i>Verrucaria subdevergens</i> Pykälä & Myllys	2020		"Holotype. Finland, Koillismaa, Kuusamo, Oulanka National Park, Taivalköngäs, shore of Oulankajoki river, dolomite rock outcrop, on gentle NE-slope, 165 m alt., 66°24'N, 29°11'E, 25 Aug 2011, J. Pykälä 45109 (holotype: H9205097)"	MycKeys 72: 67 (2020)
<i>Verrucaria subfossans</i> Vain.	1921		"in latere rupis subcalcariae in Kaukasalo in par. Finby in Regione Aboënsi (Vain.) una cum <i>V. cinereolurida</i> "	Acta Soc. Fauna Flora Fenn. 49(2): 74 (1921)
<i>Verrucaria subfuliginea</i> Vain.	1883		"ad saxa dioritica et granitica inundata vel subinundata in insula lacus Kianta ad Kiannanniemi et in rivulo ad Suomula in par. Kianta"	Medd. Soc. Fauna Flora Fenn. 10: 171 (1883)
<i>Verrucaria sublapponica</i> Pykälä & Myllys	2017		"Finland, Enontekiön Lappi, Enontekiö, Porojärvet, Toskalharji, Toskalpahta, fell, SW-slope, scree, on dolomite pebbles, 770 m, 69°11'N, 21°29'E, 1 August 2011 J. Pykälä 43029 (H - holotype)"	Lichenologist 49: 35 (2017)

Scientific name and authors	Year as species	Basionym	Type citation in protologue	Publication as a a taxon
<i>Verrucaria tallbackaensis</i> Pykälä, Launis & Myllys	2019		"Finland. Uusimaa, Sipoo, Martinkylä, Byända, Tallbacka, <i>Picea abies</i> -dominated forest, abandoned lime quarry, on overhanging W-facing wall, scarce, 60 m, 60°25'N, 25°12'E, 11 July 2007 J. Pykälä 31340 (H - holotype)"	Nova Hedwigia 109: 505 (2019)
<i>Verrucaria tenebrosa</i> Pykälä, Launis & Myllys	2018		"FINLAND. Koillismaa: Kuusamo, Juuma, Oulanka National Park, Hautaniitynvuoma, gorge, dolomite rock, NE-slope, beneath NE-facing wall, on pebble, 66°15'N, 29°26'E, 190 m a.s.l., 21 August 2011, J. Pykälä 44686 (holotype H!)"	Phytotaxa 361: 215 (2018)
<i>Verrucaria trabalis</i> Nyl.	1875		"supra trabes inundatas molendinae in Finland (Lang)"	Flora 58: 14 (1875)
<i>Verrucaria umbrinula</i> Nyl.	1870		"ad saxa in Lapponia (Norrlin)"	Flora 53: 37 (1870)
<i>Verrucaria vacillans</i> Pykälä & Myllys	2020		"Holotype. Finland. Enontekiön Lappi, Enontekiö, Porojärvet, Toskalharji, Toskalpahta, fell, SW-slope, scree, on dolomite boulder, 795 m alt., 69°11'N, 21°29'E, 1 Aug 2011, J. Pykälä 43118 (H9205851)"	MycKeys 72: 72 (2020)
<i>Verrucaria vitikainenii</i> Pykälä, Launis & Myllys	2017		"Finland, Koillismaa, Salla, Hautajärvi, Kurtinniitykuru, cliff, dolomite rock outcrop, beneath W-facing wall, steep slope, on dolomite pebbles, 205 m, 66°26'N, 29°09'E, 29 August 2011, J. Pykälä 45435 (H - holotype)"	Lichenologist 49: 114 (2017)
<i>Xylographa carneopallida</i> (Räsänen) T. Sprib.	2014	<i>Xylographa rubescens</i> var. <i>carneopallida</i> Räsänen 1939	"Sb: Kuopio, Tiiholankylä, Vehmasjärvi, an vermorschtem Kiefernholz. Leg. K. Linkola 1909"	Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo 12(1): 181 (1939)
<i>Xylographa difformis</i> (Vain.) Vain.	1928	<i>Xylographa parallella</i> var. <i>difformis</i> Vain. 1883	"in Karelia boreali: supra pontem ligneum prope pag. Lieksa in paroecia ejusdem nominis; in regione infralaponica 1883 Ostrobothniæ: ad parietem ligneum prope templum paroeciæ Kuhmo"	Medd. Soc. Fauna Fl. Fenn. 10: 148 (1883)
<i>Xylographa rubescens</i> Räsänen	1921		"supra tectum ligneum vetustum in Tiurasenkrunni in par. Simo in Ostrobotnia bor."	In Vainio: Medd. Soc. Fauna Fl. Fenn. 47: 51 (1921)
<i>Xyloschistes platytropa</i> (Nyl.) Vain.	1868	<i>Xylographa platytropa</i> Nyl.	"Ad lignum in Finlandia, Evois (Norrlin, 1866)"	Flora 51: 163 (1868)