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Checklist of Ukrainian lichens

Abstract

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This first-approximation checklist of the lichenized and lichenicolous fungi of Ukraine is based on 270 papers which were listed in previous summarizing articles, plus several recent or previously overlooked literature reports, and on original results deriving from the revision of herbarium material. Approximately 80 new or previously overlooked records were added to the previously known bibliography. The number of taxa accepted in the checklist is: 269 genera, 1222 species, 21 subspecies and 16 varieties. 1147 species are consistently or facultatively lichenized; 29 non-lichenized (but mainly not lichenicolous); and 46 are lichenicolous fungi (excluding lichenicolous lichens).

Introduction

The regular publication of national or regional checklists is fundamental for lichen taxonomy, floristics and phytogeography. Until recently, very few lichen checklists were available for southern Europe (e.g. that of Kusan, 1953, for the former Yugoslavia). In recent years, however, especially thanks to the activity of the OPTIMA Commission for Lichens, there has been a rapid increase in the production of checklists for several south European areas, like Austria (Türk & Poelt 1993), Italy (Nimis 1993), Morocco (Egea, this volume), Sardinia (Nimis & Poelt 1987), Tunisia (Seaward, this volume), Mediterranean Turkey (John, this volume); noteworthy in this respect is also the checklist of lichens and lichenicolous fungi of Macaronesia published by Hafellner (1995).

This paper contains a checklist of lichens and lichenicolous fungi of the Ukraine, a country which, although not belonging to the Mediterranean region, also includes some coastal regions with a quasi-Mediterranean climate, sharing many species with the lichen flora of the Mediterranean region in the strict sense. The most comprehensive works on the lichens of Ukraine were "Vyznachnyk lishaynikov URSS" (Oxner 1937) and the three volumes of "Flora lishaynikov Ukrainy" (Oxner 1956, 1968, 1993). These floras were written during various historical periods, when the administrative delimitation of Ukraine was quite different from the present one; moreover, the flora by Oxner (1956-1993) was not completed. Much has changed in lichenology during this period, certainly not least within the field of lichen systematics. Until now, no updated lichen checklist for the whole of the present Ukraine was available. There are, however, regional lists for various

parts of the country: the Carpathians (Makarevich & al. 1982), Crimea (Kopachevskaya 1986) the Ukrainian Plains (Kondratyuk & Solonina 1990a). These works include extensive synonymies for each taxon, and all relevant literature as well. The present paper contains a preliminary checklist of the lichen and lichenicolous fungi of Ukraine, based on the previously mentioned sources, on new literature records, and on the original revision of several herbarium specimens.

Study Area

Ukraine, in the southern part of eastern Europe, has a surface area of 603,700 km², extending for 1,300 km from east to west and for 900 km from north to south. On the west, it borders with Poland, Slovakia, Hungary and Romania, on the north with Byelorussia; on the south-east and east with Russia, on the south-west with Moldova. On the south it borders with the Sea of Azov and the Black Sea.

Ukraine may be divided into five geographic zones, which run more or less parallel from west to east:

- 1) the belt of mountains including the Carpathians in the west and the Crimean Mts. in the south. It accounts for no more than 5% of the total surface. The highest peaks are Hoverla (2,001 m) in the Carpathians and Roman Kosh (1,543 m) in the Crimean Mountains;

- 2) the belt of the northern Volhynia, including lands extending east of the Dnieper River up to the northeastern boundary of Ukraine;

- 3) the central plateau and upland belt including much of Volhynia, eastern Galicia, and Podolia, which is connected by the ridges of Zaporozhia to uplands further east in the Donbas;

- 4) the East European upland north of the Ukraine/Russia boundary;

- 5) the belt of coastal lowlands near the Black Sea from the mouth of the Danube to the northern shore of the Sea of Azov, including the northern part of Crimea.

The climate of Ukraine is moderately continental on the north and east, and warm on the extreme south. Average temperatures in January range from -8°C on the north-east to 4°C in the southern shores of Crimea. In July they are of 18°C on the north-west and 24°C on the south-east. Precipitation varies from 300 mm/year in the south-east to 1600 mm in the Carpathians.

The great physiographic and climatic diversity produces a great complexity of vegetation types, from subalpine vegetation in the mountains to semi-deserts in the southern plains. The northern part of the Ukraine Plains lies in the zone of broad-leaved forests, the middle and southern parts in the forest-steppe and steppe zones. In Crimea and on the Kerch Peninsula the most widespread vegetation types are steppe in the lowlands, oak-forest-steppe on foothills, broad-leaved forest in the mountains, mountain steppe and meadow on summit plateaux, dry juniper-oak forest and scrub of the Mediterranean type along the southern coast.

Data

This first-approximation lichen checklist of Ukraine is based on 270 literature reports, which were listed in previous papers (Oxner 1956, 1968, 1993; Makarevich & al., 1982; Kopachevskaya 1986; Kondratyuk & Solonina 1990a), plus several recent or previously overlooked literature reports, and original results deriving from the revision of herbarium material. Approximately 80 new or previously overlooked records were added to the previously known bibliography. Altogether, the number of papers dealing with lichens of

this region is ca. 350, starting from the work of Gablitz (1785, see Kopachevskaya 1986) up to several papers published in 1995. Many new records derive from unpublished revisions of herbarium specimens, primarily from KW, but also from LE, BRA, BM and LD.

Data on the Carpathians are mainly based on Makarevich & al. (1982), plus some further additions (Bystrek 1986; Bystrek, Sulma 1982 a, d, 1984; Culberson, Culberson 1968, 1976; Gyelnik, 1932 a, b 1935; Maas Gesteranus 1947; Magnusson 1947; Mayrhofer 1984; Moberg 1977; Motyka 1958 a, b, c, 1960; Nadvornik 1948; Purvis & al. 1995; Schindler 1975; Servit, Cernohorsky 1934; Sulma 1933; Suza 1932-1935, 1949). New to the Ukrainian Carpathians are the following species: *Bryoria kuemmerleana*, *B. pseudofuscescens* (Kondratyuk 1990); *Pyrrhospora querna*, *Caloplaca irrucescens*, *C. oblitterans* (Oxner & al. 1989); *Anapthychia bryorum* (Lisicka & Kondratyuk 1989); *Scoliciosporum chlorococcum* (Kondratyuk & Solonina 1990b); *Caloplaca xantholyta*, *Aspicilia moenium*, *Caloplaca grimmiae*, *Leptorhaphis parameca*, *Lecanora conizaeoides* (unpublished data by Kondratyuk).

Particular attention was devoted to the Ukrainian Plains. The following species, previously known from literature reports, were considered as dubious for this region: *Biatora ocelliformis*, *Caloplaca herbidella*, *Leproloma membranaceum*, *Lobaria scrobiculata*, *Polychidium muscicola*, *Pyrenula boberskiana*. The analysis of new literature (Kiliyas 1981; Hale 1990; Mayrhofer & al. 1990; Timdal 1991), brought to the addition of the following taxa, which were not considered by Kondratyuk & Solonina (1990a): *Agonimia allobata*, *Aspicilia moenium*, *Peridiothelia fuliguncta*, *Leptorhaphis parameca* (Kondratyuk & Blum 1985; Kondratyuk & Beznis 1989); here were found also *Collembopsidium iocarpum*, *Lecanora conizaeoides*, *L. persimilis*, *Buellia griseovirens*, *Tuckermannopsis ciliaris*, *Strangospora moriformis*, *Caloplaca grimmiae*, *C. proteus*, *Fulgensia bracteata*, *Ramalina dilacerata* and *Bryoria pseudofuscescens*, as new to Ukraine (Kondratyuk & Blum 1985; Bairak, Kondratyuk 1989; Kondratyuk 1990), and about 80 species new to this part of the country.

Data concerning Crimea are mainly based on the results of Kopachevskaya (1986) as well as on additions by other authors (Mereschkowsky 1913, Poelt & Vezda 1978, Mayrhofer 1984, Brun & Gizbullina 1990, Hale 1990, Timdal 1991). The following species are new to Crimea: *Clauzadea immersa* (Oxner & al. 1989), *Cetrelia chicitae* (Randlane & al. 1989), *Physcia biziana* (Lisicka & Kondratyuk 1989), *Caloplaca grimmiae*, *Micarea denigrata* (Kondratyuk 1990), *Scoliciosporum chlorococcum* (Kondratyuk & Solonina 1990b), *Caloplaca proteus*, *Xanthoria sorediata*, *Ochrolechia alboflavescens* (Oxner 1993), *Umbilicaria grisea*, *Usnea scabrata*, *Fulgensia bracteata*, *Protoblastenia siebenhaariana* (Kondratyuk, unpublished data).

Organization of the checklist

This checklist includes all accepted names of lichen-forming fungi treated in the papers mentioned above. Lichenicolous fungi (suffixed "[LF]") are included as well. Some non-lichenized taxa are also included (suffixed "[F]"), which were cited by Oxner (1956, 1968, 1993) and/or traditionally treated by lichenologists. New combinations are given in Appendix 1. A list of more than 80 recently discovered lichen species is also included in Appendix 2; these taxa will be treated in detail in forthcoming papers. The symbol "?" indicates that the actual presence of a given taxon is uncertain, or that the synonymy is probable, but not certain.

The checklist is arranged alphabetically by genus and species. Accepted taxa are printed in bold, synonyms in italics. References have been kept to a minimum, as these

are given in the Flora (Oxner 1956, 1968, 1993), and in regional summarizing paper (Makarevich & al. 1982; Kopachevskaya 1986; Kondratyuk & Solonina 1990a) which should be consulted for further information. A complete list of literature on the lichens of Ukraine is in preparation, and will be published elsewhere.

The checklist also includes information on the presence of each taxon within the seven regions of Ukraine, which are abbreviated as follows: **A, B:** Carpathians (**A:** Transcarpathian or "Zakarpat'ye", **B:** the mountainous part); **C, D, E:** Ukraine Plains (**C:** Forest zone, **D:** Forest-Steppe zone, **E:** Steppe zone), **F, G:** Crimea (**F:** lowlands, **G:** mountains). The limits of these regions are according Geobotanichne Rayonuvannya (1977).

The number of taxa accepted in the checklist is: **269** genera, **1222** species, **21** subspecies and **16** varieties. **1147** species are consistently or facultatively lichenized; **29** non-lichenized (but mainly not lichenicolous); and **46** are lichenicolous fungi (excluding lichenicolous lichens).

List of Taxa

ABSCONDITELLA annexa (Arnold) Vezda
Makarevich & al. (1982). B.

ACAROSPORA atrata Hue
Oxner (1968), Makarevich & al. (1982). A.

Acarospora badiofusca (Nyl.) Th. Fr.
Oxner (1968), Makarevich & al. (1982). B.

Acarospora cervina A. Massal.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, E, F, G.

Acarospora fuscata (Nyl.) Arnold
Oxner (1968), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

Acarospora gallica H. Magn.
Oxner (1968), Makarevich & al. (1982). A.

Acarospora glaucocarpa (Ach.) Körb.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986). A, B, D, G.

Acarospora heppii (Nägeli ex Hepp) Nägeli ex Körb.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, C.

Acarospora heufleriana Körb.
Oxner (1968), Kopachevskaya (1986). G.

Acarospora hospitans H. Magn.
Oxner (1968), Makarevich & al. (1982). B.

Acarospora impressula Th. Fr.
Oxner (1968), Kopachevskaya (1986). G.

Acarospora insolata H. Magn.
Oxner (1968), Makarevich & al. (1982). B.

Acarospora macrospora (Hepp) A. Massal. ex Bagl.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, G.

Acarospora nitrophila H. Magn.
Oxner (1968), Makarevich & al. (1982). B.

Acarospora oligospora (Nyl.) Arnold
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, D, G.

***Acarospora peliscypha* Th. Fr.**

Oxner (1968). B.

***Acarospora rufescens* (Ach.) Kremp.**

Makarevich & al. (1982). A.

***Acarospora scabrida* Hedl. ex H. Magn.**

Kondratyuk & Navrotskaya (1992). E.

***Acarospora smaragdula* (Wahlenb.) A. Massal.**

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, D?, G.

***Acarospora umbilicata* Bagl.**

Oxner (1968), Makarevich & al. (1982). B.

***Acarospora veronensis* A. Massal.**

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.

***Acarospora versicolor* Bagl. & Carestia**

Kondratyuk & Solonina (1990a). C.

***ACREMONIUM strictum* W. Gams [LF]**

Hawksworth (1992). A.

***ACROCORDIA bukowiensis* Makar.**

Makarevich & al. (1982). B.

***Acrocordia conoidea* (Fr.) Körb.**

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

***Acrocordia gemmata* (Ach.) A. Massal. = *Acrocordia alba* (Schrad.) de Lesd., A. *sphaeroides* (Wallr.) Arnold**

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.

***Acrocordia salweyi* (Leight. ex Nyl.) A. L. Sm.**

Makarevich & al. (1982). B.

Acrocordia alba* = *Acrocordia gemmata***Acrocordia sphaeroides* = *Acrocordia gemmata******ADELOLECIA pilati* (Hepp) Hertel & Hafellner = *Lecidea pilati* (Hepp) Körb.**

Oxner (1968), Makarevich & al. (1982). B, E.

***AGONIMIA allobata* (Stizenb.) P. James = *Polyblastia allobata* (Stizenb.) Zschacke**

Kondratyuk & Solonina (1990a). D.

***AGRESTIA hispida* (Mereschk.) Hale & W. L. Culb. = *Aspicilia hispida* Mereschk.**

Kopachevskaya (1986), Kondratyuk & Solonina (1990a). D, F, G.

***ALECTORIA ochroleuca* (Hoffm.) A. Massal.**

Makarevich & al. (1982), Oxner 1993. B.

***Alectoria sarmentosa* (Ach.) Ach.**

Makarevich & al. (1982), Oxner 1993. B.

***ALLANTOPARMELIA alpicola* (Th. Fr.) Essl. = *Hypogymnia alpicola* (Th. Fr.) Hav.**

Makarevich & al. (1982). B.

***ALLOCETRARIA oakesiana* (Tuck.) Randl. & Thell = *Cetraria oakesiana* Tuck., *Tuckermannopsis oakesiana* (Tuck.) Hale**

Makarevich & al. (1982), Kondratyuk & Solonina (1990a), Oxner (1993). B, D.

***AMANDINEA punctata* (Hoffm.) Coppins & Scheid. = *Buellia punctata* (Hoffm.) A. Massal.**

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

AMPHORIDIUM calcisedum = *Verrucaria calciseda*

Amphoridium hochstetteri = *Verrucaria hochstetteri*

Amphoridium mastoideum = *Verrucaria hochstetteri*

Amphoridium subtile = *Verrucaria subtilis*

Amphoridium veronense = *Verrucaria veronensis*

Amphoridium viridulum = *Verrucaria viridula*

AMPHOROBLASTIA bavarica = *Polyblastia bavarica*

Amphoroblastia buerensis = *Polyblastia buerensis*

Amphoroblastia dermatodes = *Polyblastia dermatodes*

Amphoroblastia incavata = *Polyblastia incavata*

Amphoroblastia obsoleta = *Polyblastia obsoleta*

Amphoroblastia tirolensis = *Polyblastia tirolensis*

ANAPTYCHIA bryorum Poelt

Lisicka & Kondratyuk (1989). B.

Anaptychia ciliaris (L.) Körb. ex A. Massal.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, F, G.

Anaptychia setifera (Mereschk.) Räsänen = *Anaptychia kaspica* Gyeln.

Kopachevskaya (1986). G.

Anaptychia ulotrichoides (Vain.) Vain.

Kopachevskaya (1986). G.

Anaptychia kaspica = *Anaptychia setifera*

ANEMA nummularium (Dufour ex Durieu & Mont.) Nyl. ex Forssell

Kopachevskaya (1986). G.

ARCTOPARMELIA centrifuga (L.) Ach. = *Parmelia centrifuga* (L.) Ach.

Kondratyuk & Solonina (1990a), Oxner (1993). E.

ARTHONIA apatetica (A. Massal.) Th. Fr. = *Arthonia exilis* Anzi

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, C, D, G.

Arthonia byssacea (Weigel) Almq.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, C.

Arthonia caesia (Flot.) Körb.

Oxner (1956), Makarevich & al. (1982). A.

Arthonia calcicola Nyl.

Khodosovtsev (*in press*). E.

Arthonia cinereopruinosa Schaer.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.

Arthonia cinnabarina (DC.) Wallr. = *Arthonia tumidula* (Ach.) Ach.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C.

Arthonia clemens (Tul.) Th. Fr. [LF]

Khodosovtsev & Kondratyuk (*in press*). C, D, E.

Arthonia destruens Rehm [LF]

Khodosovtsev & Kondratyuk (*in press*). C, D, E.

Arthonia didyma Körb.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C.

Arthonia dispersa (Schröd.) Nyl.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.

Arthonia endlicheri (Garov.) Oxner

Oxner (1956), Makarevich & al. (1982). A.

Arthonia epiphyscia Nyl. [LF]

Kondratyuk & Kolomiets (*in press*). D.

Arthonia fuliginosa (Turner & Borrer) Flot.

Oxner (1956), Makarevich & al. (1982). B.

Arthonia lapidicola (Taylor) Branth & Rostr.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, D, G.

Arthonia leucopellaea (Ach.) Almq.

Makarevich & al. (1982). B.

Arthonia mediella Nyl.

Oxner (1956), Makarevich & al. (1982). A, B.

Arthonia molendoi (Heufl. ex Frauenf.) R. Sant. [LF] = ? *Celidium varium* Tul.

Kondratyuk & Solonina (1990). D.

Arthonia patellulata Nyl.

Oxner (1956), Kondratyuk & Solonina (1990a). C.

Arthonia pruinata (Pers.) A. L. Sm. = *Arthonia impolita* (Ehrh.) Borrer

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, D.

Arthonia punctiformis Ach. [LF]

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, G.

Arthonia radiata (Pers.) Ach.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.

Arthonia reniformis (Pers.) Nyl.

Oxner (1956), Makarevich & al. (1982)

Arthonia spadicea Leight. = *Arthonia lurida* Ach.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, C.

Arthonia tenellula Nyl.

Kopachevskaya (1986), Kondratyuk & Solonina (1990a). C, G.

Arthonia exilis = *Arthonia apatetica*

Arthonia impolita = *Arthonia pruinata*

Arthonia lurida = *Arthonia spadicea*

Arthonia tumidula = *Arthonia cinnabarina*

ARTHOPYRENIA *cerasi* (Schr.) A. Massal. [F] = *Pseudosagedia cerasi* (Schr.)

Oxner

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, G.

Arthopyrenia grisea (Schleich. ex Schaer.) Körb.

Oxner (1956), Kondratyuk & Solonina (1990a). D.

Arthopyrenia inconspicua Lahm ap. Körb.

Makarevich & al. (1982). B.

Arthopyrenia lapponina Anzi [F] = *Pseudosagedia fallax* (Nyl.) Oxner

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

Arthopyrenia persoonii A. Massal.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, C, D.

Arthopyrenia punctiformis (Pers.) A. Massal. [F] = *Arthopyrenia analepta* (Ach.) A.

Massal., *Arthopyrenia cembrina* (Anzi) D. Hawksw., *Arthopyrenia pyrenastrella* (Nyl.) Norman

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, G.

Arthopyrenia rhyponia (Ach.) A. Massal. [F]

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). A, B, G.

Arthopyrenia analepta = *Arthopyrenia punctiformis*

Arthopyrenia austriaca = *Porina austriaca*

Arthopyrenia cembrina = *Arthopyrenia punctiformis*

Arthopyrenia glabra = *Strigula glabra*

Arthopyrenia microspila = *Stigmidium microspilum*

Arthopyrenia pyrenastrella = *Arthopyrenia punctiformis*

ARTHOTHELIUM ruanum (A. Massal.) Körb. = *Arthothelium ruanideum* (Nyl.) Arnold
Oxner (1956), Makarevich & al. (1982). A.

Arthothelium spectabile Flot. ex A. Massal.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, D.

Arthothelium ruanideum = *Arthothelium ruanum*

ARTHORRHAPHIS alpina (Schaer.) R. Sant. = *Bacidia alpina* (Schaer.) Vain.

Oxner (1968), Makarevich & al. (1982). B.

Arthrorhaphis citrinella (Ach.) Poelt = *Bacidia citrinella* (Ach.) Branth & Rostr.

Oxner (1968), Makarevich & al. (1982). B.

Arthrorhaphis grisea Th. Fr. [LF]

Hawksworth (1992). A.

ARTHROSPORUM populorum A. Massal. = *Bacidia populorum* (A. Massal.) Trevis.

Oxner (1968), Makarevich & al. (1982). A, B, D.

ASPICILIA adunans Nyl.

Makarevich & al. (1982). B.

Aspicilia albomarginata (Nyl.) de Lesd. = *Placolecanora muralis* f. *albomarginata*
(Nyl.) Kopach.

Makarevich & al. (1982). A, B, E, G.

Aspicilia aquatica Körb.

(unpublished). B.

Aspicilia aspera (Mereschk.) Tomin

Kopachevskaya (1986). G.

Aspicilia asterias Mereschk.

Kopachevskaya (1986). G.

Aspicilia caesiocinerea (Nyl. ex Malbr.) Arnold

Makarevich & al. (1982), Kopachevskaya (1986). A, B, D, E, G.

Aspicilia calcarea (L.) Mudd

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A,
B, D, E, F.

Aspicilia candida (Anzi) Hue

Kopachevskaya (1986). G.

Aspicilia cinerea (L.) Körb. = *Aspicilia depressa* Ach.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B,
C, D, E, G.

Aspicilia contorta (Hoffm.) Kremp. = *Aspicilia hoffmannii* (Ach.) Flagey

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A,
B, D, F, G.

Aspicilia cupreogrisea (Th. Fr.) Hue

Kondratyuk & Solonina (1990a). E.

Aspicilia desertorum (Kremp.) Mereschk.

Kopachevskaya (1986). E, G.

Aspicilia epiglypta (Norrin in Nyl.) Hue

Kondratyuk & Solonina (1990a). E.

Aspicilia esculenta (Pall.) Flagey

Kopachevskaya (1986). G.

Aspicilia farinosa (Flörke) Arnold

Makarevich & al. (1982). B.

Aspicilia fruticulosa (Eversm.) Flagey

Kopachevskaya (1986), Kondratyuk & Solonina (1990a). E, F, G.

- Aspicilia laevata* (Ach.) Arnold
Makarevich & al. (1982). B.
- Aspicilia maculata* (H. Magn.) Oxner
Kondratyuk & Solonina (1990a). E.
- Aspicilia mirabilis* Mereschk.
Kopachevskaya (1986). G.
- Aspicilia moenium* (Vain.) Thor & Timdal = *Aspicilia excavata* Thor & Timdal
Kondratyuk & Solonina (1990a). B, C, D.
- Aspicilia myrinii* (Fr. in Myrin) Stein
Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, E.
- Aspicilia pavementans* (Nyl.) Hue
Kopachevskaya (1986). G.
- Aspicilia recedens* (Taylor) Arnold = *Aspicilia bohémica* Körb.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, E, G.
- Aspicilia reticulata* Kremp. ap. Arnold
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, D, E, G.
- Aspicilia subdepressa* (Nyl.) Arnold
Makarevich & al. (1982). A, B.
- Aspicilia viridescens* (A. Massal.) Hue
Kopachevskaya (1986). G.
- Aspicilia alphoplaca* = *Lobothallia alphoplaca*
Aspicilia alpina = *Bellemerea alpina*
Aspicilia bohémica = *Aspicilia recedens*
Aspicilia ceracea = *Hymenelia ceracea*
Aspicilia cinereorufescens = *Bellemerea cinereorufescens*
Aspicilia complanata = *Miriqidica complanata*
Aspicilia cupreoatra = *Bellemerea cupreoatra*
Aspicilia depressa = *Aspicilia cinerea*
Aspicilia excavata = *Aspicilia moenium*
Aspicilia flavida = *Eiglera flavida*
Aspicilia gibbosa = *Rimularia gibbosa*
Aspicilia hispida = *Agrestia hispida*
Aspicilia hoffmannii = *Aspicilia contorta*
Aspicilia lacustris = *Hymenelia lacustris*
Aspicilia radiosa = *Lobothallia radiosa*
Aspicilia verrucosa = *Megasporea verrucosa*
- ATHELIA arachnoidea** (Berk.) Julich [LF]
Hawksworth (1992). A.
- BACIDIA arcentina** (Ach.) Arnold
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, E.
- Bacidia assulata** (Körb.) Vezda = *Bacidia intermedia* Arnold
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, D.
- Bacidia bagliettoana** (A. Massal. & De Not.) Jatta = *Bacidia muscorum* (Sw.) Mudd
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, F, G.
- Bacidia beckhausii** Körb.
(unpublished). B.
- Bacidia epimelas** (Stizenb.) = *Bilimbia epimelas* (Stizenb.) Mereschk.
Kopachevskaya (1986). G.
- Bacidia friesiana** (Hepp) Körb.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C.

- Bacidia globulosa* (Flörke) Hafellner & V. Wirth = *Catillaria globulosa* (Flörke) Th. Fr.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.
- Bacidia hegetschweileri* (Hepp) Vain. = *Bacidia vermifera* (Nyl.) Th. Fr.
Oxner (1968), Makarevich & al. (1982). A.
- Bacidia igniarii* (Nyl.) Oxner
Oxner (1968), Makarevich & al. (1982). B.
- Bacidia incompta* (Borrer ex Hook.) Anzi
Oxner (1968), Makarevich & al. (1982). A.
- Bacidia laurocerasi* (Delise ex Duby) Zahlbr. = *Bacidia endoleuca* (Nyl.) Kickx
Oxner (1968). A.
- Bacidia naegelii* (Hepp) Zahlbr. = *Bilimbia naegelii* (Hepp) Kremp.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, G.
- Bacidia polychroa* (Th. Fr.) Körb. = *Bacidia fuscorubella* (Hoffm.) Bausch, *Bacidia acerina* (Ach.) Arnold
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.
- Bacidia pulchra* (Oxner) Oxner = *Bilimbia pulchra* Oxner
Oxner (1968), Kondratyuk & Solonina (1990a). C.
- Bacidia rosella* (Pers.) De Not.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.
- Bacidia rubella* (Hoffm.) A. Massal. = *Bacidia luteola* (Schröd.) Mudd
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, F, G.
- Bacidia subacerina* (Nyl.) Vain.
Szatala (1939) [Makarevich & al. (1982) as *Bacidia acerina*]. A.
- Bacidia subincompta* (Nyl.) Arnold
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, C.
- Bacidia trachona* (Ach.) Lettau = *Bilimbia trachona* (Ach.) Trevis., *Bilimbia coprodes* Körb.
Oxner (1968), Makarevich & al. (1982). B.
- Bacidia acerina* = *Bacidia polychroa*
Bacidia albescens = *Bacidina phacodes*
Bacidia alpina = *Arthrorhaphis alpina*
Bacidia arnoldiana = *Bacidina arnoldiana*
Bacidia cinerea = *Micarea cinerea*
Bacidia citrinella = *Arthrorhaphis citrinella*
Bacidia cuprea = *Lecania cuprea*
Bacidia egenula = *Bacidina egenula*
Bacidia endoleuca = *Bacidia laurocerasi*
Bacidia fuscorubella = *Bacidia polychroa*
Bacidia intermedia = *Bacidia assulata*
Bacidia inundata = *Bacidina inundata*
Bacidia luteola = *Bacidia rubella*
Bacidia microcarpa = *Mycobilimbia microcarpa*
Bacidia muscorum = *Bacidia bagliettoana*
Bacidia perpusilla = *Scoliciosporum perpusillum*
Bacidia phacodes = *Bacidina phacodes*
Bacidia populorum = *Arthrorhaphis populorum*
Bacidia sarothamni = *Scoliciosporum sarothamni*
Bacidia sphaeroides = *Mycobilimbia carneoalbida*
Bacidia umbrina = *Scoliciosporum umbrinum*
Bacidia vermifera = *Bacidia hegetschweileri*

BACIDINA arnoldiana (Körb.) V. Wirth & Vezda

Oxner (1968), Kondratyuk & Solonina (1990a). D.

Bacidina egenula (Nyl.) Vezda = *Bacidia egenula* (Nyl.) Arnold

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, D.

Bacidina inundata (Fr.) Vezda = *Bacidia inundata* (Fr.) Körb.

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.

Bacidina phacodes (Körb.) Vezda = *Bacidia phacodes* Körb., *Bacidia albescens* (Kremp.) Zwackh

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.

BAEOMYCES carneus (Retz.) Flörke

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, D.

Baeomyces rufus (Huds.) Rabent. var. *rufus*

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C.

Baeomyces rufus (Huds.) Rabent. var. *callianthus* (Lettau) Lettau = *Baeomyces callianthus* Lettau

Oxner (1968), Makarevich & al. (1982). B.

Baeomyces callianthus = *Baeomyces rufus* var. *callianthus*

Baeomyces roseus = *Dibaeis baeomyces*

BELLEMEREALPINA (Sommerf.) Clauzade & Cl. Roux

Makarevich & al. (1982). B.

Bellemerea cinereorufescens (Ach.) Clauzade & Cl. Roux = *Aspicilia cinereorufescens* (Ach.) A. Massal.

Makarevich & al. (1982). B.

Bellemerea cupreoatra (Nyl.) Clauzade & Cl. Roux = *Aspicilia cupreoatra* (Nyl.) Arnold

Kopachevskaya (1986), Kondratyuk & Solonina (1990a). D, E, F, G.

BELONIA herculina (Rehm) Hazsl.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

Belonia russula Körb.

Oxner (1956), Makarevich & al. (1982). B.

BIATORA meiocarpoides (Nyl.) Arnold

Oxner (1968), Makarevich & al. (1982). A.

Biatora ocelliformis (Nyl.) Printzen

Oxner (1968), Kondratyuk & Solonina (1990a). D.

Biatora vernalis (L.) Fr.

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986). A, B, G.

Biatora aenea = *Mirioidica garovaglii*

Biatora aeneofusca = *Trapeliopsis aeneofusca*

Biatora asserculorum = *Micarea misella*

Biatora atrofusca = *Mycobilimbia hypnorum*

Biatora botryosa = *Lecidea botryosa*

Biatora brujeriana = *Trapelia mooreana*

Biatora coarctata = *Trapelia coarctata*

Biatora coarctata var. *obtegens* = *Trapelia obtegens*

Biatora coarctata var. *trapelia* = *Trapelia involuta*

Biatora exigua = *Lecidea exigua*

Biatora flexuosa = *Trapeliopsis flexuosa*

Biatora fusca = *Mycobilimbia hypnorum*

Biatora fuscescens = *Lecanora fuscescens*

Biatora geophana = *Steinia geophana*

Biatora granulosa = *Trapeliopsis granulosa*

Biatora griseoatra = *Mirioidica leucophaea* var. *griseoatra*

Biatora hillmannii = *Lecidea hillmannii*
Biatora humosa = *Saccomorpha uliginosa*
Biatora kochiana = *Fuscidea kochiana*
Biatora leucophaea = *Miriquidica leucophaea*
Biatora lucida = *Psilolechia lucida*
Biatora misella = *Micarea misella*
Biatora monticola = *Clauzadea monticola*
Biatora obscurella = *Lecanora phaeostigma*
Biatora pilularis = *Mycobilimbia sphaeroides*
Biatora pumilionis = *Lecanora pumilionis*
Biatora sanguineoatra = *Mycobilimbia hypnorum*
Biatora sphaerella = *Lecidea sphaerella*
Biatora sulphurea = *Lecanora sulphurea*
Biatora sylvana = *Lecidea sphaerella*
Biatora symmicta = *Lecanora symmicta*
Biatora symmicta = *Lecanora symmicta*
Biatora turgidula = *Lecidea turgidula*
Biatora uliginosa = *Saccomorpha uliginosa*
Biatora viridescens = *Trapeliopsis viridescens*
Biatora wallrothii = *Trapeliopsis wallrothii*

BIATORELLA deplanata = *Strangospora deplanata*
Biatorella elegans = *Biatoridium monasteriense*
Biatorella monasteriensis = *Biatoridium monasteriense*
Biatorella ochrophora = *Strangospora ochrophora*
Biatorella pinicola = *Strangospora pinicola*

BIATORIDIUM monasteriense Lahm = *Biatorella elegans* (Hepp) Stizenb., *Biatorella monasteriensis* (Körb.) Lahm.

Oxner (1968), Kopachevskaya (1986). B, G.

BILIMBIA chlorococca = *Scoliciosporum chlorococcum*
Bilimbia cinerea = *Micarea cinerea*
Bilimbia coprodes = *Bacidia trachona*
Bilimbia cuprea = *Lecania cuprea*
Bilimbia epimelas = *Bacidia epimelas*
Bilimbia lignaria = *Micarea lignaria*
Bilimbia lugubris = *Ropalospora lugubris*
Bilimbia melaena = *Micarea melaena*
Bilimbia microcarpa = *Mycobilimbia microcarpa*
Bilimbia naegeli = *Bacidia naegeli*
Bilimbia nitschkeana = *Micarea nitschkeana*
Bilimbia obscurata = *Mycobilimbia fusca*
Bilimbia pulchra = *Bacidia pulchra*
Bilimbia sabuletorum = *Mycobilimbia sabuletorum*
Bilimbia sphaeroides = *Mycobilimbia carneoalbida*
Bilimbia trachona = *Bacidia trachona*

BISPORA christiansenii D. Hawksw. [LF]

Hawksworth (1992). A.

BOTRYDINA viridis = *Omphalina hudsoniana*

BRODOA intestiniformis (Vill.) Goward = *Hypogymnia intestiniformis* (Vill.) Räsänen,
Hypogymnia encausta (Sm.) W. Wats.

Makarevich & al. (1982), Kondratyuk & Solonina (1990a), Oxner (1993). B, D.

BRYOCAULON divergens (Ach.) Kärnef.

Oxner (1993). B.

BRYOPOGON berengerianus = ? *Bryoria smithii**Bryopogon bicolor* = *Bryoria bicolor**Bryopogon canus* = *Bryoria capillaris**Bryopogon capillaris* = *Bryoria capillaris**Bryopogon chalybeiformis* = ? *Bryoria chalybeiformis**Bryopogon implexus* = *Bryoria* cfr. *capillaris*, and *B. implexa**Bryopogon jubatus* = *Bryoria* cfr. *fuscescens**Bryopogon lanestris* = *Bryoria lanestris**Bryopogon mirabilis* = ? *Bryoria capillaris**Bryopogon jubatus* var. *chalybeiformis* = *Bryoria* cfr. *implexa* et *B. chalybeiformis**Bryopogon proluxus* = *Bryoria* cfr. *fuscescens**Bryopogon subcanus* = *Bryoria subcana***BRYORIA bicolor** (Ehrh.) Brodo & D. Hawksw. = *Bryopogon bicolor* (Ehrh.) Elenkin

Makarevich & al. (1982), Oxner (1993). B.

Bryoria capillaris (Ach.) Brodo & D. Hawksw. = *Bryopogon canus* (Ach.) Choisy,*Bryopogon capillaris* (Ach.) Makar., ? *Bryopogon implexus* (Hoffm.) Elenkin (see Oxner 1993)

Makarevich & al. (1982), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, G.

Bryoria carpatica (Motyka) Golubk.

Oxner (1993). B.

Bryoria chalybeiformis (L.) Brodo & D. Hawksw. = *Bryopogon chalybeiformis* (L.) Link

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). B, D, G.

Bryoria divergescens (Nyl.) Brodo & D. Hawksw.

Oxner (1993). B.

Bryoria furcellata (Fr.) Brodo & D. Hawksw.

Kondratyuk & Solonina (1990a), Oxner (1993). B, D.

Bryoria fuscescens (Gyeln.) Brodo & D. Hawksw. = *Bryopogon proluxus* (Ach.) Choisy,*Bryopogon jubatus* (L.) Link

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). B, C, D, G.

Bryoria implexa (Hoffm.) Brodo & D. Hawksw. = ? *Bryopogon implexus* (Hoffm.)

Elenkin (see Oxner 1993).

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). B, D, G.

Bryoria intricans (Vain.) Brodo & D. Hawksw.

Oxner (1993). B.

Bryoria kummerleana (Gyeln.) Brodo & D. Hawksw.

Oxner (1993). B.

Bryoria lanestris (Ach.) Brodo & D. Hawksw. = *Bryopogon lanestris* (Ach.) Gyeln.

Makarevich & al. (1982), Oxner (1993). A, B.

Bryoria nadvornikiana (Gyeln.) Brodo & D. Hawksw.

Oxner (1993). B.

Bryoria nitidula (Th. Fr.) Brodo & D. Hawksw.

Kopachevskaya (1986), Oxner (1993). B, G.

Bryoria osteola (Gyeln.) Brodo & D. Hawksw.

Oxner (1993). B.

Bryoria pseudofuscescens (Gyeln.) Brodo & D. Hawksw.

Kondratyuk & Solonina (1990a), Oxner (1993). B, D.

Bryoria setacea (Ach.) Brodo & D. Hawksw.

Oxner (1993). B.

Bryoria smithii (Du Rietz) Brodo & D. Hawksw. = ? *Bryopogon berengerianus* (Arnold) Gyeln.

Makarevich & al. (1982), Oxner (1993). B.

Bryoria subcana (Nyl. ex Stizenb.) Brodo & D. Hawksw. = *Bryopogon subcanus* (Nyl.) Gyeln.

Makarevich & al. (1982), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C.

Bryoria tortuosa (G. Merr.) Brodo & D. Hawksw.

Oxner (1993). B.

Bryoria vrangiana (Gyeln.) Brodo & D. Hawksw.

Oxner (1993). B.

BUELLIA alboatra (Hoffm.) Th. Fr. = *Diplotomma alboatrum* (Hoffm.) Flot., *Diplotomma athroa* (Ach.) Kernst.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, E, F, G.

Buellia ambigua (Ach.) Malm = *Diplotomma ambiguum* (Ach.) Flagey

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, G.

Buellia badia (Fr.) A. Massal. = *Diploicia badia* (Fr.) A. Massal.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, D, E, G.

Buellia disciformis (Fr.) Mudd

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, G.

Buellia epipolia (Ach.) Mong. = *Diplotomma epipolium* (Ach.) Arnold

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, G.

Buellia erubescens Arnold = *Buellia zahlbruckneri* J. Steiner

Makarevich & al. (1982). A.

Buellia griseovirens (Turner & Borrer ex Sm.) Almb.

Kondratyuk 1990. D, G.

Buellia insignis (Nägeli ex Hepp) Th. Fr.

Makarevich & al. (1982). B.

Buellia margaritacea Nyl. = *Diplotomma margaritaceum* (Nyl.) Szatala

Makarevich & al. (1982). B.

Buellia nivalis (Bagl. & Carestia) Hertel

Khodosovtsev (in press). F.

Buellia porphyrica (Arnold) Mong. = *Diplotomma porphyricum* Arnold

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, D, E, G.

Buellia schaereri De Not.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

Buellia stellulata (Taylor) Mudd

Makarevich & al. (1982). B.

Buellia stigmatea (Schaer.) Körb.

Kondratyuk & Solonina (1990a). B, C, D.

Buellia triphragmia (Nyl.) Arnold = *Diplotomma triphragmium* (Nyl.) Szatala,

Diplotomma lauricassiae (Fée) Arnold

Makarevich & al. (1982). B.

Buellia punctata = *Amandinea punctata*

Buellia saxatilis = *Dactylospora saxatilis*

Buellia scabrosa = *Epilichen scabrosus*
Buellia wahlenbergii = *Catolechia wahlenbergii*
Buellia zahlbruckneri = *Buellia erubescens*

BYSSOLOMA *subdiscordans* (Nyl.) P. James = *Byssoloma tricholomum* (Mont.) Zahlbr.
 Oxner (1956), Makarevich & al. (1982) as *Byssoloma leucoblepharum* (Nyl.) Vain. B.
Byssoloma tricholomum = *Byssoloma subdiscordans*

CALICIUM *abietinum* Pers.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, G.

Calicium adaequatulum Nyl. = *Calicium marianum* Nadv.

Oxner (1956), Makarevich & al. (1982). B.

Calicium adpersum Pers.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, C, D.

Calicium carpaticum (Nadv.) Oxner

Oxner (1956), Makarevich & al. (1982). B.

Calicium corynellum (Ach.) Ach.

Oxner (1956), Makarevich & al. (1982). B.

Calicium denigratum (Vain.) Tibell

Kopachevskaya (1986). G.

Calicium huculinum Nadv.

Makarevich & al. (1982). B.

Calicium lenticulare (Hoffm.) Ach.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, C, D.

Calicium polyporeum Nyl.

Makarevich & al. (1982). A.

Calicium quercinum Pers.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A.

Calicium salicinum Pers. = *Calicium sphaerocephalum* (L.) Ach.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.

Calicium trabinellum (Ach.) Ach.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C.

Calicium viride Pers.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, D?, G.

Calicium alboatrum = *Chaenothecopsis alboatra*

Calicium chlorinum = *Chrysothrix chlorina*

Calicium consociatum = *Chaenothecopsis consociata*

Calicium gracile = *Chaenothecopsis gracilis*

Calicium italicum = *Chaenothecopsis pusilla*

Calicium koerberi = *Chaenothecopsis ochroleuca*

Calicium lignicola = *Chaenothecopsis pusiola*

Calicium marianum = *Calicium adaequatulum*

Calicium populneum = *Phaeocalicium populneum*

Calicium praecedens = *Phaeocalicium praecedens*

Calicium rubescens = *Chaenothecopsis rubescens*

Calicium schaeferi = *Chaenotheca cinerea*

Calicium sphaerocephalum = *Calicium salicinum*

Calicium subtile = *Mycocalicium subtile*

Calicium subpusillum = *Chaenothecopsis pusilla*

Calicium viridireagens = *Chaenothecopsis viridireagens*

- CALOPLACA alociza*** (A. Massal.) Mig. = *Caloplaca agardhiana* (Flot.) Flagey
Kopachevskaya (1986), Oxner (1993). G.
- Caloplaca ammiospila*** (Wahlenb. in Ach.) H. Olivier = *Caloplaca cinnamomea* (Th. Fr.)
H. Olivier
Oxner (1993). B.
- Caloplaca arenaria*** (Pers.) Müll. Arg. = *Caloplaca lamprocheila* (DC.) Flagey
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),
Oxner (1993). A, B, D, E, G.
- Caloplaca assigena*** (Lahm ex Arnold) Dalla Torre & Sarnth.
Oxner (1993). B.
- Caloplaca atroflava*** (Turner) Mong.
Oxner (1993). A, G.
- Caloplaca aurantia*** (Pers.) J. Steiner = *Caloplaca callopisma* (Ach.) Th. Fr., *Gasparrinia*
aurantia (Pers.) Syd.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),
Oxner (1993). B, D, E, F, G.
- Caloplaca aurea*** (Schaer.) Zahlbr.
Oxner (1993). G.
- Caloplaca biatorina*** (A. Massal.) J. Steiner
Kopachevskaya (1986), Oxner (1993). G.
- Caloplaca brachyspora*** Mereschk.
Kopachevskaya (1986), Oxner (1993). G.
- Caloplaca caesiorufa*** (Ach.) Flagey
Makarevich & al. (1982) as *Caloplaca herbidella* (Nyl.) H. Magn., Kopachevskaya
(1986) as *Caloplaca scopulicola* (Nyl.) Th. Fr., Kondratyuk & Solonina (1990a), Oxner
(1993). B, C, D, G.
- Caloplaca cerina*** (Ehrh. ex Hedwig) Th. Fr. var. *cerina*
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),
Oxner (1993). A, B, C, D, E, G.
- Caloplaca cerina*** (Ehrh. ex Hedwig) Th. Fr. var. *chloroleuca* (Sm.) Th. Fr. = *Caloplaca*
stilicidiorum (Vahl) Lyngb.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),
Oxner (1993). B, D, G.
- Caloplaca cerinella*** (Nyl.) Flagey
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),
Oxner (1993). A, C, G.
- Caloplaca cerinelloides*** (Erichsen) Poelt in Degel. = *Caloplaca pyracea* var. *cerinelloides*
Erichsen
Makarevich & al. (1982). A.
- Caloplaca chalybaea*** (Fr.) Müll. Arg.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),
Oxner (1993). B, D, E, G.
- Caloplaca chlorina*** (Flot.) H. Olivier
Makarevich & al. (1982), Oxner (1993), Zelenko & Kondratyuk (1994). B, C.
- Caloplaca chrysophthalma*** Degel.
Zelenko & Kondratyuk (1994). G.
- Caloplaca cirrochroa*** (Ach.) Th. Fr.
Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). D, F, G.
- Caloplaca citrina*** (Hoffm.) Th. Fr.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),
Oxner (1993). A, B, C, D, E, G.
- Caloplaca concilians*** (Nyl.) H. Olivier
Makarevich & al. (1982), Oxner (1993). B.

- Caloplaca constantinii* S. Kondr. = *Gasparrinia flava* Mereschk.
Kopachevskaya (1986), Oxner (1993). G.
- Caloplaca conversa* (Kremp.) Jatta
Kopachevskaya (1986), Oxner (1993). B, G.
- Caloplaca coronata* (Kremp. ex Körb.) J. Steiner
Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). C, D, E, G.
- Caloplaca crenularia* (With.) J. R. Laundon = *Caloplaca festiva* (Fr.) Zwackh
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). B, E, G.
- Caloplaca decipiens* (Arnold) Blomb. & Forssell = *Gasparrinia decipiens* (Arnold) Syd.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, C, D, E, F, G.
- Caloplaca diphyodes* (Nyl.) Jatta
Oxner (1993). G.
- Caloplaca dolomiticola* (Hue) Zahlbr. = *Caloplaca velana* (A. Massal.) Du Rietz
Kopachevskaya (1986), Oxner (1993). G.
- Caloplaca ectaniza* Mereschk.
Kondratyuk & Solonina (1990a), Oxner (1993). D, E, F, G.
- Caloplaca erythrocarpa* (Pers.) Zwackh
Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). E, G.
- Caloplaca exsecuta* (Nyl.) Dalla Torre & Sarnth. = *Caloplaca diphyes* (Nyl.) H. Olivier
Makarevich & al. (1982), Oxner (1993). A, B, G.
- Caloplaca ferrarii* (Bagl.) Jatta
Oxner (1993). B.
- Caloplaca ferruginea* (Huds.) Th. Fr.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, D, G.
- Caloplaca flavescens* (Huds.) J. R. Laundon = *Caloplaca brevilocata* (Nyl.) Zahlbr.
Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). E, G.
- Caloplaca flavorubescens* (Huds.) J. R. Laundon = *Caloplaca aurantiaca* (Lightf.) Hepp
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, D, E, F, G.
- Caloplaca flavovirescens* (Wulfen) Dalla Torre & Sarnth.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, D, E, F, G.
- Caloplaca granulosa* (Müll. Arg.) Jatta
Kopachevskaya (1986), Oxner (1993). F, G.
- Caloplaca grimmiae* (Nyl.) H. Olivier
Kondratyuk & Solonina (1990a), Oxner (1993) (see remarks about records of *Caloplaca congregiens* (Nyl.) Zahlbr. in Ukraine here). D, E, G.
- Caloplaca haematites* (Chaub. ex St.-Amans) Zwackh
Makarevich & al. (1982), Kopachevskaya (1986), Oxner (1993). A, G.
- Caloplaca herbidella* (Hue) H. Magn.
Zelenko & Kondratyuk (1994). B.
- Caloplaca holocarpa* (Hoffm. ex Ach.) Wade = *Caloplaca pyracea* (Ach.) Th. Fr.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, F, G.
- Caloplaca inconnexa* (Nyl.) Zahlbr.
Khodosovtsev (in press). F.
- Caloplaca irrucescens* (Arnold) Zahlbr.
Oxner (1993). B.
- Caloplaca jailensis* (Mereschk.) S. Kondr.
Kopachevskaya (1986), Oxner (1993). G.

- Caloplaca lactea* (A. Massal.) Zahlbr.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, F, G.
- Caloplaca lobulata* (Flörke) Hellbom = *Xanthoria lobulata* (Flörke) de Lesd., *Caloplaca boulyi* (Zahlbr.) M. Steiner & Poelt
Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). C, D, E, F, G.
- Caloplaca lojkae* Servit & Nadv.
Makarevich & al. (1982), Oxner (1993). A.
- Caloplaca luteoalba* (Turner) Th. Fr.
Kondratyuk & Solonina (1990a). D.
- Caloplaca marmorata* (Bagl.) Jatta
Khodosovtsev (*in press*). E, F, G.
- Caloplaca nivalis* (Körb.) Th. Fr.
Makarevich & al. (1982), Oxner (1993). B.
- Caloplaca nubigena* (Kremp.) Dalla Torre & Sarnth.
Kopachevskaya (1986), Oxner (1993). G.
- Caloplaca obliterans* (Nyl.) Blomb. & Forssell
Kopachevskaya (1986), Oxner (1993). B, G.
- Caloplaca obscurella* (Lahm ex Körb.) Th. Fr.
Oxner (1993). G.
- Caloplaca ochracea* (Schaer.) Flagey
Kopachevskaya (1986), Oxner (1993). G.
- Caloplaca percrocata* (Arnold) J. Steiner
Kopachevskaya (1986), Oxner (1993). G.
- Caloplaca perminima* S. Kondr. = *Caloplaca granulosa* var. *perminuta* Mereschk.
Kopachevskaya (1986), Oxner (1993). F.
- Caloplaca polycarpa* (A. Massal.) Zahlbr. = *Caloplaca tenuatula* (Nyl.) Zahlbr.
Kopachevskaya (1986), Oxner (1993). F.
- Caloplaca proteus* Poelt
Oxner (1993). D, G.
- Caloplaca rubelliana* (Ach.) Lojka = *Gasparrinia rubelliana* (Ach.)
Makarevich & al. (1982), Oxner (1993). A, B.
- Caloplaca saxicola* (Hoffm.) Nordin = *Gasparrinia murorum* (Hoffm.) Tornab.,
Caloplaca tegularis (Ehrh.) Sandst.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, C, D, E, F, G.
- Caloplaca schaeferi* (Flörke) Zahlbr.
Kopachevskaya (1986), Oxner (1993). G.
- Caloplaca scotoplaca* (Nyl.) H. Magn. = *Caloplaca herbidella* f. *scotoplaca* (Serv. & Nadv.) Makarevich
Makarevich & al. (1982). A.
- Caloplaca scythica* Khodosovtsev & U.Söchting
Kondratyuk & al. (*in press*). E.
- Caloplaca sinapisperma* (Lam. & DC.) Maheu & Gillet = *Caloplaca leucoraea* (Ach.) Branth
Makarevich & al. (1982), Kopachevskaya (1986), Oxner (1993). B, G.
- ? *Caloplaca taurica* Mereschk.
Kopachevskaya (1986), Oxner (1993). G.
- Caloplaca teicholyta* (Ach.) J. Steiner
Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). D, E, F, G.
- ? *Caloplaca tetrasporoides* Mereschk.
Kopachevskaya (1986), Oxner (1993). G.
- Caloplaca thallicola* (Wedd) Du Rietz
Kopachevskaya (1986), Oxner (1993). G.

Caloplaca tominii* Savicz**Zelenko (*in prep.*) C.Caloplaca variabilis* (Pers.) Müll. Arg. = *Caloplaca paepalostoma* (Anzi) Jatta**

Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). C, D, E, F, G.

***Caloplaca viridirufa* (Ach.) Zahlbr.**

Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). D, G.

***Caloplaca vitellinula* (Nyl.) H. Olivier**

Makarevich & al. (1982), Kopachevskaya (1986), Oxner (1993). A, B, G.

***Caloplaca xantholyta* (Nyl.) Jatta**

Kopachevskaya (1986), Oxner (1993). B, F, G.

Caloplaca agardhiana* = *Caloplaca alociza***Caloplaca aurantiaca* = *Caloplaca flavorubescens******Caloplaca australis* = *Fulgensia australis******Caloplaca boulyi* = *Caloplaca lobulata******Caloplaca brevilobata* = *Caloplaca flavescens******Caloplaca callopisma* = *Caloplaca aurantia******Caloplaca congregata* see *Caloplaca grimmiae******Caloplaca desertorum* = *Fulgensia desertorum******Caloplaca diphyes* = *Caloplaca exsecuta******Caloplaca elegans* = *Xanthoria elegans******Caloplaca festiva* = *Caloplaca crenularia******Caloplaca granulosa* var. *perminuta* = *Caloplaca perminuta******Caloplaca herbidella* f. *scotoplaca* = *Caloplaca scotoplaca******Caloplaca lamprocheila* = *Caloplaca arenaria******Caloplaca leucoraea* = *Caloplaca sinapisperma******Caloplaca paepalostoma* = *Caloplaca variabilis******Caloplaca pyracea* = *Caloplaca holocarpa******Caloplaca schistidii* = *Fulgensia schistidii******Caloplaca soledadensis* = *Xanthoria soledadensis******Caloplaca stilicidiorum* = *Caloplaca cerina* var. *chloroleuca******Caloplaca subfruticulosa* = *Xanthoria subfruticulosa******Caloplaca tegularis* = *Caloplaca saxicola******Caloplaca tenuatula* = *Caloplaca polycarpa******Caloplaca velana* = *Caloplaca dolomiticola******CANDELARIA concolor* (Dicks.) Stein**

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),

Oxner (1993). A, B, C, D, G.

***CANDELARIELLA arctica* (Körb.) R. Sant. = *Candelariella crenulata* (Wahlenb.) Zahlbr.**

Kopachevskaya (1986), Oxner (1993). F.

***Candelariella aurella* (Hoffm.) Zahlbr.**

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),

Oxner (1993). A, B, C, D, G.

***Candelariella medians* (Nyl.) A. L. Sm.**

Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). D, E, F, G.

***Candelariella reflexa* (Nyl.) Lettau**

Makarevich & al. (1982), Oxner (1993). A, C, D.

***Candelariella rhodax* Poelt & Vezda**

Oxner (1993). G.

***Candelariella vitellina* (Hoffm.) Müll. Arg.**

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),

Oxner (1993). A, B, C, D, E, G.

- Candelariella xanthostigma* (Ach.) Lettau
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, G.
- Candelariella crenulata* = *Candelariella arctica*
- CAPRONIA peltigerae* (Fuckel) D. Hawksw. [LF]
Kondratyuk & Kolomiets (in press). D.
- CARBONEA vorticosa* (Flörke) Hertel = *Lecidea vorticosa* (Flörke) Körb.
Oxner (1968), Makarevich & al. (1982). A, B.
- CATAPYRENIUM cinereum* (Pers.) Körb. = *Endopyrenium cinereum* (Pers.) Oxner,
Dermatocarpon cinereum (Pers.) Th. Fr.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). B, G.
- Catapyrenium daedaleum* (Kremp.) Stein = *Dermatocarpon daedaleum* (Kremp.) Th. Fr.
Makarevich & al. (1982). B.
- Catapyrenium michelii* (A. Massal.) R. Sant. = *Dermatocarpon michelii* (A. Massal.)
Zwachk
Makarevich & al. (1982). B.
- Catapyrenium rufescens* (Ach.) Breuss = *Endopyrenium rufescens* (Ach.) Körb.,
Dermatocarpon rufescens (Ach.) Körb.
Oxner (1956), Makarevich & al. 1982, Kopachevskaya 1986, Kondratyuk & Solonina
(1990a) as *Catapyrenium lachneum* (Ach.) R. Sant. A, D, E, G.
- Catapyrenium squamulosum* (Ach.) Breuss = *Catapyrenium lachneum* (Ach.) R. Sant.,
Endopyrenium hepaticum (Ach.) Körb., *Dermatocarpon hepaticum* (Ach.) Th. Fr.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk &
Solonina (1990a) as *Catapyrenium lachneum* (Ach.) R. Sant. A, D, E, G.
- Catapyrenium lachneum* = *Catapyrenium squamulosum*
- CATILLARIA atomarioides* (Müll. Arg.) Kilius
Kondratyuk & Kolomiets (in press). D.
- Catillaria chalybaea* (Borrer) A. Massal.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk &
Solonina (1990a). A, B, D, G.
- Catillaria detractula* (Nyl.) H. Olivier = *Lecania detractula* (Nyl.) Arnold
Kopachevskaya (1986), Oxner (1993). G.
- Catillaria lenticularis* (Ach.) Th. Fr.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk &
Solonina (1990a). B, D, G.
- Catillaria minuta* (Schaer.) Lettau
Oxner (1968), Makarevich & al. (1982). B.
- Catillaria nigroclavata* (Nyl.) Schuler
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, D.
- Catillaria athallina* = *Toninia athallina*
- Catillaria atropurpurea* = *Catinaria atropurpurea*
- Catillaria bouteillei* = *Fellhanera bouteillei*
- Catillaria denigrata* = *Micarea denigrata*
- Catillaria globulosa* = *Bacidia globulosa*
- Catillaria graniformis* = *Cliostomum corrugatum*
- Catillaria griffithii* = *Cliostomum griffithii*
- Catillaria intermixta* = *Megalaria laureri*
- Catillaria leucoplaca* = *Megalaria grossa*
- Catillaria microspora* = *Micarea bauschiana*
- Catillaria prasina* = *Micarea prasina*
- Catillaria sphaeroides* = *Mycobilimbia sphaeroides*

CATINARIA atropurpurea (Schaer.) Vezda & Poelt = *Catillaria atropurpurea* Th. Fr.
Oxner (1968), Makarevich & al. (1982). B, D.

Catinaria laureri = *Megalaria laureri*

CATOCARPON alpicola = *Rhizocarpum alpicola*

Catocarpum badioatrum = *Rhizocarpum badioatrum*

Catocarpum hochstetteri = *Rhizocarpum hochstetteri*

Catocarpum polycarpum = *Rhizocarpum polycarpum*

CATOLECHIA wahlenbergii (Ach.) Körb. = *Buellia wahlenbergii* (Taylor) Mudd
Makarevich & al. (1982). B.

CELIDIUM varium = *Arthonia molendoi*

CETRARIA aculeata (Schreb.) Fr. = *Coelocaulon aculeatum* (Schreb.) Link,
Cornicularia aculeata (Schreb.) Ach.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),
Oxner (1993). B, C, D, E, F, G.

Cetraria commixta (Nyl.) Th. Fr.

Makarevich & al. (1982), Oxner (1993). B.

Cetraria ericetorum Opiz

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),
Oxner (1993). B, C, D, F, G.

Cetraria hepaticum (Ach.) Vain.

Makarevich & al. (1982), Oxner (1993). B.

Cetraria islandica (L.) Ach.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),
Oxner (1993). A, B, C, D, G.

Cetraria muricata (Ach.) Kärnf. = *Coelocaulon muricatum* (Ach.) J. R. Laundon

Makarevich & al. (1982), Kondratyuk & Solonina (1990a), Oxner (1993). B, C.

Cetraria steppae (Savicz) Kärnf. = *Coelocaulon steppae* (Savicz) Barreno & Vazques,
Coelocaulon stepposa (Mereschk.) S. Kondr., *Cornicularia steppae* Savicz

Kondratyuk & Solonina (1990a), Oxner (1993). D, E, F, G.

Cetraria chlorophylla = *Tuckermannopsis chlorophylla*

Cetraria ciliaris = *Tuckermannopsis ciliaris*

Cetraria cucullata = *Flavocetraria cucullata*

Cetraria laureri = *Tuckermannopsis laureri*

Cetraria nivalis = *Flavocetraria nivalis*

Cetraria oakesiana = *Allocetraria oakesiana*

Cetraria pinastri = *Vulpicida pinastri*

Cetraria sepincola = *Tuckermannopsis sepincola*

CETRELIA cetrarioides (Del. ex Duby) W. L. Culb. & C. Culb.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),
Oxner (1993). A, B, C, D, G.

Cetrelia chicitae (W. L. Culb.) W. L. Culb. & C. Culb.

Oxner (1993). G.

Cetrelia monachorum (Zahlbr.) W. L. Culb. & C. Culb.

Kondratyuk & Solonina (1990a), Oxner (1993). B, D.

Cetrelia olivetorum (Nyl.) W. L. Culb. & C. Culb.

Makarevich & al. (1982), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D,
G.

CHAENOTHECA brachypoda (Ach.) Tibell = *Coniocybe sulphurea* (Retz.) Nyl.

Oxner (1956), Makarevich & al. (1982). B.

- Chaenotheca brunneola* (Ach.) Müll. Arg.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, D, G.
- Chaenotheca chlorella* (Ach.) Müll. Arg. = *Chaenotheca carthusiae* (Harm.) Lettau, *Chaenotheca suzai* Nadv.
Oxner (1956), Makarevich & al. (1982). B.
- Chaenotheca chrysocephala* (Turner ex Ach.) Th. Fr.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.
- Chaenotheca cinerea* (Pers.) Tibell = *Calicium schaeferi* De Not., *Chaenotheca schaeferi* (De Not.) Zahlbr., *Chaenotheca trichialis* f. *cinerea* (Pers.) Keissler
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, G.
- Chaenotheca ferruginea* (Turner & Borrer) Mig. = *Chaenotheca melanophaea* (Ach.) Zwackh
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, D, G.
- Chaenotheca furfuracea* (L.) Tibell = *Coniocybe furfuracea* (L.) Ach.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.
- Chaenotheca gracilentia* (Ach.) Mattson & Middelborg = *Coniocybe gracilentia* Ach.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). A, B, G.
- Chaenotheca hispidula* (Ach.) Zahlbr.
Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.
- Chaenotheca laevigata* Nadv.
Makarevich & al. (1982). A.
- Chaenotheca phaeocephala* (Turner) Th. Fr.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, G.
- Chaenotheca stemonea* (Ach.) Müll. Arg.
Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D?
- Chaenotheca trichialis* (Ach.) Th. Fr. = *Chaenotheca aeruginosa* (Turner) A. L. Sm.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.
- Chaenotheca xyloxena* Nadv.
Kopachevskaya (1986). B, G.
- Chaenotheca aeruginosa* = *Chaenotheca trichialis*
Chaenotheca carthusiae = *Chaenotheca chlorella*
Chaenotheca melanophaea = *Chaenotheca ferruginea*
Chaenotheca schaeferi = *Chaenotheca cinerea*
Chaenotheca suzai = *Chaenotheca chlorella*
Chaenotheca trichialis f. *cinerea* = *Chaenotheca cinerea*
- CHAENOTHECOPSIS** *consociata* (Nadv.) A. F. W. Schmidt [LF] = *Calicium consociatum* Nadv.
Makarevich & al. (1982). B.
- Chaenothecopsis gracilis* Nadv. [F] = *Calicium gracile* (Nadv.) Oxner
Oxner (1956), Makarevich & al. (1982). B.
- Chaenothecopsis ochroleuca* (Körb.) Tibell & K. Ryman [F] = *Calicium koerberi* (Nadv.) Oxner
Oxner (1956), Makarevich & al. (1982). A.

- Chaenothecopsis pusilla* (Flörke) A. Schmidt [F] = *Calicium alboatrum* Flörke, *Calicium italicum* (Sacc.) Gola, *Calicium subpusillum* Vain., *Chaenothecopsis alboatra* (Flörke ex Sommerf.) Nadv.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.
- Chaenothecopsis pusiola* (Ach.) Vain. [F] = *Calicium lignicola* Nadv.
Oxner (1956), Makarevich & al. (1982). B.
- Chaenothecopsis rubescens* Vain. [F] = *Calicium rubescens* (Vain.) Oxner
Oxner (1956), Makarevich & al. (1982). A.
- Chaenothecopsis viridialba* (Kremp.) A. F.W. Schmidt [LF] = *Mycocalicium cinerascens* (Nyl.) Vain.
Nadvornik (1937). B.
- Chaenothecopsis viridireagens* (Nadv.) A. F.W. Schmidt [LF] = *Calicium viridireagens* Nadv.
Oxner (1956), Makarevich & al. (1982). B.
- Chaenothecopsis alboatra* = *Chaenothecopsis pusilla*
- CHIODECTON subrimatum** (Nyl.) Vain.
Oxner (1956), Kopachevskaya (1986). G.
- CHRYSOPSORA testacea** = *Psora testacea*
- CHRYSOTHRIX candelaris** (L.) J. R. Laundon = *Lepraria candelaris* (L.) Fr.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.
- Chrysothrix chlorina* (Ach.) J. R. Laundon = *Calicium chlorinum* (Ach.) Schaer.
Oxner (1956), Makarevich & al. (1982). B, C.
- CLADINA arbuscula** (Wallr.) Hale & W. L. Culb. subsp. *arbuscula* = *Cladonia sylvatica* (L.) Hoffm.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.
- Cladina arbuscula* (Wallr.) Hale & W. L. Culb. subsp. *mitis* (Sandst.) Ruoss = *Cladonia mitis* (Sandst.) Hustich, *Cladonia mitis* Sandst.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, C, D, E.
- Cladina ciliata* (Stirt.) Trass = *Cladonia tenuis* (Flörke) Harm.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B.
- Cladina portentosa* (Dufour) Follm. = *Cladonia impexa* Harm.
Oxner (1968), Makarevich & al. (1982). B, D.
- Cladina rangiferina* (L.) Nyl. = *Cladonia rangiferina* (L.) Weber ex F. H. Wigg.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.
- Cladina stellaris* (Opiz) Brodo = *Cladonia alpestris* (L.) Rabenh.
Oxner (1968), Kondratyuk & Solonina (1990a). C, D.
- Cladina stygia* (Fr.) Ahti = *Cladonia rangiferina* f. *stygia* Fr.
Makarevich & al. (1982). B.
- Cladina mitis* = *Cladina arbuscula* subsp. *mitis*
- CLADONIA amaurocraea** (Flörke) Schaer.
Oxner (1968). B.
- Cladonia bellidiflora* (Ach.) Schaer.
Oxner (1968), Makarevich & al. (1982). A, B.
- Cladonia botrytes* (Hagen) Willd.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D, E.
- Cladonia caespiticia* (Pers.) Flörke
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.

***Cladonia cariosa* (Ach.) Spreng.**

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.

***Cladonia carneola* (Fr.) Fr.**

Oxner (1968), Makarevich & al. (1982). B.

***Cladonia cenotea* (Ach.) Schaer.**

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D.

Cladonia cervicornis* (Ach.) Flot. subsp. *cervicornis

Oxner (1968), Kondratyuk & Solonina (1990a). B, C, D, E.

***Cladonia cervicornis* (Ach.) Flot. subsp. *verticillata* (Hoffm.) Ahti = *Cladonia verticillata* (Hoffm.) Schaer.**

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, C, D, E.

***Cladonia coccifera* (L.) Willd.**

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, C, D.

***Cladonia coniocraea* (Flörke) Vain.**

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

***Cladonia convoluta* (Lam.) Anders**

Oxner (1968), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). D, E, F, G.

***Cladonia cornuta* (L.) Hoffm.**

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.

***Cladonia crispata* (Ach.) Flot.**

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

***Cladonia cyanipes* (Sommerf.) Nyl.**

Oxner (1968), Makarevich & al. (1982). B.

***Cladonia deformis* (L.) Hoffm.**

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.

***Cladonia digitata* (L.) Hoffm.**

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C.

***Cladonia ecmocyna* Leight.**

Oxner (1968), Makarevich & al. (1982). B.

***Cladonia fimbriata* (L.) Fr.**

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

***Cladonia foliacea* (Huds.) Willd.**

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, D, E, F, G.

Cladonia furcata* (Huds.) Schrad. subsp. *furcata

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, F, G.

***Cladonia furcata* (Huds.) Schrad. subsp. *subrangiformis* (Sandst.) Abbayes = *Cladonia subrangiformis* Sandst.**

Oxner (1968), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). C, D, E, F.

***Cladonia glauca* Flörke**

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B.

***Cladonia gracilis* (L.) Willd.**

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

***Cladonia hungarica* (Arnold) Vain. = *Cladonia symphyocarpa* (Flörke) Fr.**

Oxner (1968), Makarevich & al. (1982). A, B.

***Cladonia incrassata* Flörke**

Oxner (1968), Kondratyuk & Solonina (1990a). C.

- Cladonia macilenta* Hoffm. subsp. *macilenta* = *Cladonia bacillaris* Nyl.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.
- Cladonia macilenta* Hoffm. subsp. *floerkeana* (Fr.) V. Wirth = *Cladonia floerkeana* (Fr.) Sommerf.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, C, D.
- Cladonia macroceras* (Delise) Hav. = *Cladonia elongata* (Jacq.) Hoffm.
Oxner (1968), Makarevich & al. (1982). B.
- Cladonia macrophylla* (Schaer.) Stenh. = *Cladonia alpicola* (Flot.) Vain.
Oxner (1968), Makarevich & al. (1982). B.
- Cladonia macrophyllodes* Nyl.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, D.
- Cladonia ochrochlora* Flörke
Makarevich & al. (1982), Kopachevskaya (1986). A, B, D, E, G.
- Cladonia parasitica* (Hoffm.) Hoffm.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.
- Cladonia phyllophora* Hoffm. = *Cladonia degenerans* (Flörke) Spreng.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.
- Cladonia pleurota* (Flörke) Schaer.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.
- Cladonia polycarpoides* Nyl. = *Cladonia subcariosa* Nyl. em. Vain.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, D.
- Cladonia polydactyla* (Flörke) Spreng. = *Cladonia flabelliformis* (Flörke) Vain.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, C.
- Cladonia pyxidata* (L.) Hoffm. subsp. *pyxidata*
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, F, G.
- Cladonia pyxidata* (L.) Hoffm. subsp. *chlorophaea* (Flörke ex Sommerf.) V. Wirth = *Cladonia chlorophaea* (Floerke ex Sommerf.) Spreng.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, F, G.
- Cladonia pyxidata* (L.) Hoffm. subsp. *grayi* (G. Merr. ex Sandst.) V. Wirth = *Cladonia grayi* G. Merr. ex Sandst.
Kondratyuk & Solonina (1990a). ?.
- Cladonia pyxidata* (L.) Hoffm. subsp. *pocillum* (Ach.) Dahl = *Cladonia pocillum* (Ach.) O. J. Rich.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, D, E, F, G.
- Cladonia ramulosa* (With.) J. R. Laundon = *Cladonia pityrea* (Flörke) Fr.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, F.
- Cladonia rangiformis* Hoffm.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, F, G.
- Cladonia rei* Schaer. = *Cladonia nemoxya* (Ach.) Zopf
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.
- Cladonia scabriuscula* (Delise) Nyl.
Oxner (1968), Kondratyuk & Solonina (1990a). C, D.
- Cladonia squamosa* (Scop.) Hoffm. subsp. *squamosa*
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.
- Cladonia squamosa* (Scop.) Hoffm. subsp. *subsquamosa* (Nyl. ex Leight.) Vain. = *Cladonia subsquamosa* (Nyl.) Vain.
Oxner (1968), Makarevich & al. (1982). B.

***Cladonia strepsilis* (Ach.) Grognot**

Oxner (1968), Kondratyuk & Solonina (1990a). E.

***Cladonia stricta* (Nyl.) Nyl. = *Cladonia lepidota* Nyl.**

Oxner (1968), Makarevich & al. (1982). B.

***Cladonia subulata* (L.) Weber ex F. H. Wigg.**

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

***Cladonia sulphurina* (Michx.) Fr. = *Cladonia gonecha* (Ach.) Asah.**

Oxner (1968), Makarevich & al. (1982). B, C.

***Cladonia turgida* Ehrh. ex Hoffm.**

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.

***Cladonia uncialis* (L.) Weber ex F. H. Wigg.**

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, D, G.

Cladonia alpestris* = *Cladonia stellaris***Cladonia alpicola* = *Cladonia macrophylla******Cladonia bacillaris* = *Cladonia macilenta* subsp. *macilenta******Cladonia chlorophaea* = *Cladonia pyxidata* subsp. *chlorophaea******Cladonia degenerans* = *Cladonia phyllophora******Cladonia elongata* = *Cladonia macroceras******Cladonia flabelliformis* = *Cladonia polydactyla******Cladonia floerkeana* = *Cladonia macilenta* subsp. *floerkeana******Cladonia gonecha* = *Cladonia sulphurina******Cladonia grayi* = *Cladonia pyxidata* subsp. *grayi******Cladonia impexa* = *Cladonia portentosa******Cladonia lepidota* = *Cladonia stricta******Cladonia nemoxyna* = *Cladonia rei******Cladonia papillaria* = *Pycnothelia papillaria******Cladonia pityrea* = *Cladonia ramulosa******Cladonia pocillum* = *Cladonia pyxidata* subsp. *pocillum******Cladonia subcariosa* = *Cladonia polycarpoides******Cladonia sylvatica* = *Cladonia arbuscula* subsp. *arbuscula******Cladonia symphycarpa* = *Cladonia hungarica******Cladonia tenuis* = *Cladonia ciliata******Cladonia verticillata* = *Cladonia cervicornis* subsp. *verticillata******CLAUZADEA immersa* (Hoffm.) Hafellner & Bellem.**

Oxner (1993). A, G.

Clauzadea monticola* (Schaer.) Hafellner & Bellem. = *Biatorea monticola* (Schaer.) Hepp,Protoblastenia monticola* (Ach.) J. Steiner

Oxner (1968), Makarevich & al. (1982). A, B.

CLIOSTOMUM corrugatum* (Ach.: Fr.) Fr. = *Catillaria graniformis* (Hagen) Vain.,Cliostomum graniforme* (Hagen) Coppins

Oxner (1968), Kondratyuk & Solonina (1990a). D.

***Cliostomum griffithii* (Sm.) Coppins = *Catillaria griffithii* (Sm.) Malme**

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986). A, G.

Cliostomum graniforme* = *Cliostomum corrugatum***COELOCAULON aculeatum* = *Cetraria aculeata******Coelocaulon muricatum* = *Cetraria muricata******Coelocaulon steppae* = *Cetraria steppae******Coelocaulon stepposa* = *Cetraria steppae******COLLEMA auriforme* (With.) Coppins & J. R. Laundon = *Collema auriculatum* Hoffm.**

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). A, B, C.

***Collema conglomeratum* Hoffm.**

Kopachevskaya (1986). G.

***Collema crispum* (Huds.) Weber ex F. H. Wigg.**

Oxner (1956), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). D, G.

***Collema cristatum* (L.) Weber ex F. H. Wigg.**

Oxner (1956), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). C, E, G.

***Collema fasciculare* (L.) Weber ex F. H. Wigg.**

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). A, B, G.

***Collema flaccidum* (Ach.) Ach.**

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

***Collema fragrans* (Sm.) Ach.**

Makarevich & al. (1982). B.

***Collema furfuraceum* (Arnold) Du Rietz**

Oxner (1956), Kopachevskaya (1986). G.

***Collema fuscovirens* (With.) J. R. Laundon = *Collema tunaeforme* Ach.**

Oxner (1956), Kopachevskaya (1986). G.

***Collema ligerinum* (Nyl.) Harm.**

Oxner (1956), Kopachevskaya (1986). G.

***Collema limosum* (Ach.) Ach.**

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.

***Collema multipartitum* Sm.**

Oxner (1956), Kopachevskaya (1986). F, G.

***Collema nigrescens* (Huds.) DC.**

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

***Collema occultatum* Bagl.**

Oxner (1956), Makarevich & al. (1982). B.

***Collema polycarpon* Hoffm.**

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

***Collema ryssoleum* (Tuck.) A. Schneider**

Kopachevskaya (1986). G.

***Collema subnigrescens* Degel.**

Oxner (1956), Kopachevskaya (1986). G.

***Collema tenax* (Swartz) Ach. em. Degel.**

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, E, F, G.

***Collema undulatum* Laurer ex Flot.**

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, D, G.

Collema auriculatum = *Collema auriforme**Collema tunaeforme* = *Collema fuscovirens****COLLEMOPSISIDIUM iocarpum* (Nyl.) Nyl. [LF]**

Kondratyuk (1990). C.

CONIOCYBE coniotheca = *Sclerophora coniotheca**Coniocybe furfuracea* = *Chaenotheca furfuracea**Coniocybe gracilentia* = *Chaenotheca gracilentia**Coniocybe hyalinella* = *Sclerophora peronella**Coniocybe pallida* = *Sclerophora nivea**Coniocybe peronella* = *Sclerophora peronella**Coniocybe sulphurea* = *Chaenotheca brachypoda****CONOTREMA urceolatum* (Ach.) Tuck.**

Oxner (1956), Makarevich & al. (1982). A.

CORISCIMUM viride = *Omphalina hudsoniana*

CORNICULARIA normoerica (Gunn.) Du Rietz

Makarevich & al. (1982), Oxner (1993). B.

Cornicularia aculeata = *Cetraria aculeata*

Cornicularia muricata = *Cetraria muricata*

Cornicularia steppae = *Cetraria steppae*

CRESPORHAPHIS wienkampii (Lahm ex Hazsl.) M. B. Aguirre [F]. = *Lepthorhaphis wienkampii* Lahm ex Hazsl.

Oxner (1956), Makarevich & al. (1982). B.

CROCYNIA membranacea = *Leprolomma membranaceum*

CRYPTOTHELE rhodosticta (Taylor) Henssen = *Pyrenopsis rhodosticta* (Taylor) Müll. Arg.

Oxner (1956), Makarevich & al. (1982). A.

Cryptothele sphaerospora (Vain.) = *Pyrenopsis sphaerospora* Vain.

Oxner (1956), Kopachevskaya (1986). B.

CYPHELIUM inquinans (Sm.) Trevis.

Oxner (1956), Makarevich & al. (1982). B.

Cyphelium lucidum (Th. Fr.) Th. Fr.

Oxner (1956), Kondratyuk & Solonina (1990a). E.

Cyphelium notarisii (Tul.) Blomb. ex Forsell = *Pseudocolium notarisii* Stizenb.

Oxner (1956), Kondratyuk & Solonina (1990a). B, C, D.

Cyphelium tigillare (Ach.) Ach.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, E.

DACTYLINA madreporiformis (Ach.) Tuck.

Kopachevskaya (1986), Oxner (1993). G.

DACTYLOSPORA athallina (Müll. Arg.) Hafellner [LF]

Kondratyuk & Solonina (1990a). D.

Dactylospora saxatilis (Schaer.) Hafellner [LF] = *Buellia saxatilis* (Schaer.) Körb.

Kopachevskaya (1986). G.

DEGELIA plumbea (Lightf.) M. Jörg. & P.W. James = *Parmeliella plumbea* (Lightf.) Vain.

Oxner (1956), Kopachevskaya (1986). G.

DENDRISCOCAULON bolacinum (Ach.) Nyl.

Suza (1932-35, 1935). B.

DERMATINA hippocastani = *Mycoporum hippocastani*

Dermatina microscopica = *Mycoporum quercus*

Dermatina perexigua = *Endococcus propinquus*

DERMATOCARPON boristhenicum Oxner

Oxner (1956), Kondratyuk & Solonina (1990a). E.

Dermatocarpum intestiniforme (Körb.) Hasse = *Dermatocarpum polyphyllum* (Wulf.)

Dalla Torre & Sarnth.

Oxner (1956), Makarevich & al. (1982). B.

Dermatocarpum luridum (With.) J. R. Laundon = *Dermatocarpum aquaticum* (Weis)

Zahlbr., *Dermatocarpum decipiens* Dalla Torre & Sarnth., *Dermatocarpum fluviale*

(Weber) Th. Fr., *Dermatocarpum weberi* (Humb.) Mann.

Makarevich & al. (1982), Kopachevskaya (1986). A, B, G.

Dermatocarpon meiophyllizum Vain. = ? *Dermatocarpon lyngei* Servit, ?
Dermatocarpon sphaerosporum Lynge, *Dermatocarpon bachmannii* Anders var.
inundatum Klem.
 Servit (1936a). B.

Dermatocarpon miniatum (L.) Mann

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, F, G.

Dermatocarpon rivulorum (Arnold) Dalla Torre & Sarnth.

Oxner (1956), Makarevich & al. (1982). A.

Dermatocarpon vellereum Zschacke

Kopachevskaya (1986). G.

Dermatocarpon aquaticum = *Dermatocarpon luridum*

Dermatocarpon bachmannii var. *inundatum* = *Dermatocarpon meiophyllizum*

Dermatocarpon cinereum = *Catapyrenium cinereum*

Dermatocarpon daedaleum = *Catapyrenium daedaleum*

Dermatocarpon decipiens = *Dermatocarpon luridum*

Dermatocarpon fluviale = *Dermatocarpon luridum*

Dermatocarpon hepaticum = *Catapyrenium squamulosum*

Dermatocarpon lyngei = *Dermatocarpon meiophyllizum*

Dermatocarpon michelii = *Catapyrenium michelii*

Dermatocarpon monstrosus = *Placocarpus schaeferi*

Dermatocarpon polyphyllum = *Dermatocarpon intestiniforme*

Dermatocarpon rufescens = *Catapyrenium rufescens*

Dermatocarpon sphaerosporum = *Dermatocarpon meiophyllizum*

Dermatocarpon trachyticum = *Placopyrenium trachyticum*

Dermatocarpon weberi = *Dermatocarpon luridum*

DIBAEIS baeomyces (L. Fil.) Rambold & Hertel = *Baeomyces roseus* Pers.

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C.

DIMELAENA oreina (Ach.) Norm.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, D, E, G.

DIMERELLA lutea (Dicks.) Trevis. = *Microphiale lutea* (Dicks.) Zahlbr.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, D.

Dimerella pineti (Schröd. ex Ach.) Vezda = *Microphiale diluta* (Pers.) Zahlbr., *Dimerella diluta* (Pers.) Trevis.

Oxner (1956), Makarevich & al. (1982). A, B.

Dimerella diluta = *Dimerella pineti*

DIPLOICIA canescens (Dicks.) A. Massal.

Suza 1949, Kopachevskaya (1986). A, G.

Diploicia badia = *Buellia badia*

DIPLOSCHISTES actinostomus (Ach.) Zahlbr.

Oxner (1956), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). D, G.

Diploschistes calcareus (Müll. Arg.) J. Steiner

Oxner (1956), Kopachevskaya (1986). E, F, G.

Diploschistes muscorum (Scop.) R. Sant. = *Diploschistes bryophilus* (Ehrh.) Zahlbr.

Makarevich & al. (1982), Kopachevskaya (1986). A, B, D, G.

Diploschistes ocellatus (Vill.) Norman

Oxner (1956), Kopachevskaya (1986). E, F, G.

Diploschistes scruposus (Schreb.) Norman

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E.

Diploschistes bryophilus = *Diploschistes muscorum*

DIPLOTOMMA ambiguum = *Buellia ambigua*

Diplotomma alboatrum = *Buellia alboatra*

Diplotomma athroa = *Buellia alboatra*

Diplotomma epipolium = *Buellia epipolia*

Diplotomma lauricassiae = *Buellia triphragmia*

Diplotomma margaritaceum = *Buellia margaritacea*

Diplotomma porphyrica = *Buellia porphyrica*

Diplotomma triphragmium = *Buellia triphragmia*

DIRINA stenhammari (Stenham.) Poelt & Follm. = *Dirina massiliensis* Durieu & Mont.
f. *sorediata* (Müll. Arg.) Tehler

Khodosovtsev (in press). F.

Dirina massiliensis f. *sorediata* = *Dirina stenhammari*

EIGLERA flavida (Hepp) Hafellner = *Aspicilia flavida* (Hepp) Rehm
Makarevich & al. (1982). B.

ENDOCARPON adscendens (Anzi) Müll. Arg.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, C, E, D, G.

Endocarpion inconspicuum Oxner

Oxner (1956), Kondratyuk & Solonina (1990a). D.

Endocarpion obscuratum Oxner

Oxner (1956), Kondratyuk & Solonina (1990a). E.

Endocarpion pusillum Hedw.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, D.

ENDOCOCCUS propinquus (Körb.) D. Hawksw. [LF] = *Dermatina perexigua* (Arnold)
Zahlbr.

Oxner (1956). B.

ENDOPYRENIUM cinereum = *Catapyrenium cinereum*

Endopyrenium hepaticum = *Catapyrenium squamulosum*

Endopyrenium monstrosum = *Placocarpus schaeferi*

Endopyrenium rufescens = *Catapyrenium rufescens*

Endopyrenium trachyticum = *Placopyrenium trachyticum*

ENTEROGRAPHA zonata (Körb.) Källsten = *Opegrapha zonata* Körb.

Oxner (1956), Makarevich & al. (1982). A.

EOPYRENULA leucoplaca (Wallr.) R. Harris = *Leptosphaeria leucoplaca* (Wallr.)
Vain., *Pyrenula leucoplaca* (Wallr.) Körb.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.

EPHEBE lanata (L.) Vain.

Oxner (1956), Makarevich & al. (1982). A.

EPILICHEN scabrosus (Ach.) Clement = *Buellia scabrosa* (Ach.) A. Massal.

Makarevich & al. (1982). B.

EVERNIA divaricata (L.) Ach.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),
Oxner (1993). B, C, D, G.

Evernia elenkiana Zahlbr. = *Evernia arenaria* Elenkin

Kondratyuk & Solonina (1990a). D.

***Evernia mesomorpha* Nyl.**

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). B, C, D, G.

***Evernia prunastri* (L.) Ach.**

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, G.

Evernia arenaria = *Evernia elenkiana*.

***FARNOLDIA jurana* (Schaer.) Hertel = *Lecidea albosuffusa* Th. Fr., *Lecidea jurana* Schaer.**

Oxner (1968), Makarevich & al. (1982). B.

***FELLHANERA bouteillei* (Desm.) Vezda = *Catillaria bouteillei* (Desm.) Zahlbr.**

Oxner (1968). B.

***FLAVOCETRARIA cucullata* (Bellardi) Kärnef. & Thell = *Cetraria cucullata* (Bellardi) Ach.**

Makarevich & al. (1982), Oxner (1993). B.

***Flavocetraria nivalis* (L.) Kärnef. & Thell = *Cetraria nivalis* (L.) Ach.**

Makarevich & al. (1982), Oxner (1993). B.

***FLAVOPARMELIA caperata* (L.) Hale = *Parmelia caperata* (L.) Ach., *Pseudoparmelia caperata* (L.) Hale**

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, G.

***FLAVOPUNCTELIA flaventior* (Stirt.) Hale**

Oxner (1993). A.

FORAMINELLA ambigua* = *Parmeliopsis ambigua

Foraminella hyperopta = *Parmeliopsis hyperopta*

***FULGENSIA australis* (Arnold) Poelt = *Caloplaca australis* (Arnold) Zahlbr.**

Kopachevskaya (1986), Oxner (1993). G.

***Fulgensia bracteata* (Hoffm.) Räsänen**

Kondratyuk & Solonina (1990a), Oxner (1993). E, G.

***Fulgensia desertorum* (Tomin) Poelt = *Caloplaca desertorum* Tomin**

Kopachevskaya (1986), Oxner (1993). F.

***Fulgensia fulgens* (Sw.) Elenkin**

Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). C, D, E, G.

***Fulgensia schistidii* (Anzi) Poelt = *Caloplaca schistidii* (Anzi) Zahlbr.**

Kopachevskaya (1986), Oxner (1993). G.

***FUSCIDEA kochiana* (Hepp) V. Wirth & Vezda = *Biatorea kochiana* (Hepp) Rabenh.**

Oxner (1968), Makarevich & al. (1982). B.

GASPARRINIA aurantia* = *Caloplaca aurantia

Gasparrinia decipiens = *Caloplaca decipiens*

Gasparrinia flava = *Caloplaca constantinii*

Gasparrinia murorum = *Caloplaca saxicola*

Gasparrinia rubelliana = *Caloplaca rubelliana*

GONGYLIA nadvornikii* = *Sagediopsis barbata***GONOHYMENIA myriospora* (Zahlbr.) Zahlbr.**

Servit (1936b). A.

***GRAPHIS elegans* (Borrer ex Sm.) Ach.**

Oxner (1956), Makarevich & al. (1982). A, B.

***Graphis scripta* (L.) Ach.**

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.

***GUIGNARDIA olivieri* (Vouaux) Olivier [LF]**

Kondratyuk (*in press*). B, D, E.

***GYALECTA flotowii* Körb.**

Oxner (1956), Makarevich & al. (1982). B.

***Gyalecta foveolaris* (Ach.) Schaer.**

Oxner (1956), Makarevich & al. (1982). B.

***Gyalecta friesii* Flot. ex Körb.**

Oxner (1956), Makarevich & al. (1982). B.

***Gyalecta jenensis* (Batsch) Zahlbr.**

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

***Gyalecta leucaspis* (Kremp. ex A. Massal.) Zahlbr.**

Oxner (1956), Makarevich & al. (1982). B.

***Gyalecta peziza* (Mont.) Anzi**

Makarevich & al. (1982). B.

***Gyalecta subclausa* Anzi = *Gyalecta rosellovirens* Nyl.**

Oxner (1956), Kondratyuk & Solonina (1990a). D.

***Gyalecta truncigena* (Ach.) Hepp**

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, D.

***Gyalecta ulmi* (Sw.) Zahlbr.**

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). A, B, C.

Gyalecta clausa* = *Petractis clausa***Gyalecta rosellovirens* = *Gyalecta subclausa******GYALIDEA lecideopsis* (A. Massal.) Lettau**

Makarevich & al. (1982). B.

***HAEMATOMMA ochroleucum* (Neck.) J. R. Laundon var. *ochroleucum* =**

Haematomma coccineum (Dicks.) Körb.

Makarevich & al. (1982), Kopachevskaya (1986), Oxner (1993). B, G.

Haematomma cismonicum* = *Loxospora cismonicum***Haematomma coccineum* = *Haematomma ochroleucum* var. *ochroleucum******Haematomma elatinum* = *Loxospora elatinum******Haematomma ventosum* = *Ophioparma ventosa******HELOCARPON crassipes* Th. Fr. = *Lecidea crassipes* (Th. Fr.) Nyl.**

Oxner (1968), Makarevich & al. (1982). B.

***HEPPIA lutosa* (Ach.) Nyl.**

Oxner (1956), Kopachevskaya (1986). F.

***HETERODERMIA leucomelos* (L.) Poelt**

Kopachevskaya (1986). F.

***Heterodermia speciosa* (Wulfen) Trevis.**

Makarevich & al. (1982), Kopachevskaya (1986). A, B, G.

***HOBSONIA christiansenii* B.L. Brady & D. Hawksw. [LF]**

Hawksworth (1992). A.

***HYMENELIA ceracea* (Arnold) Choisy = *Aspicilia ceracea* (Körb.) Arnold**

Makarevich & al. (1982). B.

***Hymenelia lacustris* (With.) Choisy = *Aspicilia lacustris* (With.) Th. Fr.**

Makarevich & al. (1982). A.

HYPERPHYSCIA adglutinata (Flörke) H. Mayrhofer & Poelt = *Physciopsis adglutinata* (Flörke) Choisy
Makarevich & al. (1982). A.

HYPOCENOMYCE anthracophila (Nyl.) P.W. James & Gotth. Schneid.
Zelenko (1994). C.

Hypocenomyce praestabilis (Nyl.) Timdal
Zelenko & Kondratyuk (1994). C.

Hypocenomyce scalaris (Ach. ex Lilj.) Choisy = *Psora scalaris* (Ach.) Hook.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, E, G.

Hypocenomyce sorophora (Vain.) P. James & Poelt
Zelenko (1994). C.

HYPOGYMNIA bitteri (Lyng.) Ahti = *Hypogymnia obscurata* (Bitt.) Räsänen
Makarevich & al. (1982), Oxner (1993). B.

Hypogymnia farinacea Zopf. = *Hypogymnia bitteriana* (Zahlbr.) Räsänen
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). B, E, G.

Hypogymnia physodes (L.) Nyl.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, G.

Hypogymnia tubulosa (Schaer.) Hav.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, G.

Hypogymnia vittata (Ach.) Parrique
Makarevich & al. (1982), Kondratyuk & Solonina (1990a), Oxner (1993). B, C.

Hypogymnia alpicola = *Allantoparmelia alpicola*

Hypogymnia bitteriana = *Hypogymnia farinacea*

Hypogymnia encausta = *Brodoa intestiniformis*

Hypogymnia intestiniformis = *Brodoa intestiniformis*

Hypogymnia obscurata = *Hypogymnia bitteri*

HYPOTRACHYNA laevigata (Sm.) Hale = *Parmelia laevigata* (Sm.) Ach.
Makarevich & al. (1982), Kopachevskaya (1986), Oxner (1993). B, G.

Hypotrachyna revoluta (Flörke) Hale = *Parmelia revoluta* (Flot.) Flörke
Makarevich & al. (1982), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D.

Hypotrachyna sinuosa (Sm.) Hale = *Parmelia sinuosa* (Sw.) Ach.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). B, D, G.

ICMADOPHILA ericetorum (L.) Zahlbr.
Oxner (1968), Makarevich & al. (1982). B.

IMMERSARIA athroocarpa (Ach.) Rambold & Pietschm. = *Lecidea athroocarpa* (Ach.) Ach.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B.

IMSHAUGIA aleurites (Ach.) S. F. Meyer = *Parmeliopsis pallescens* (Hoffm.) Hillm.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). B, C, D, G.

INVOLUCROTHELE aeneovinosa = *Thelidium aeneovinosum*

Involucrothele cataractarum = *Thelidium cataractarum*

Involucrothele minima = *Thelidium minimum*

Involucrothele olivacea = *Thelidium olivaceum*

Involucrothele picea = *Thelidium piceum*

Involucrothele pyrenophora = *Thelidium pyrenophorum*

Involucrothele rehmi = *Thelidium rehmi*

IONASPIS epulotica (Ach.) Arnold

Oxner (1956), Makarevich & al. (1982). B.

Ionaspis heteromorpha (Kremp.) Arnold = *Ionaspis schismatopsis* (Nyl.) Hue

Makarevich & al. (1982). B.

Ionaspis odora (Ach. ex Schaer.) Stein

Oxner (1956), Makarevich & al. (1982). A, B.

Ionaspis schismatopsis = *Ionaspis heteromorpha*

JULELLA fallaciosa (Stizenb. ex Arnold) R. Harris = *Polyblastiopsis fallaciosa* (Stizenb. ex Arnold) Zahlbr.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, C, D.

KILIASIA athallina = *Toninia athallina*

LASALLIA pustulata (L.) Hoffm. = *Umbilicaria pustulata* (L.) Hoffm.

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, D, E, G.

Lasallia rossica Dombr.

(unpublished). B.

LECANACTIS abietina (Ach.) Körb.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, D.

Lecanactis amylacea (Ehrh. ex Pers.) Arnold

Oxner (1956), Makarevich & al. (1982). B.

Lecanactis latebrarum (Ach.) Arnold = *Lepraria latebrarum* Ach.

Kopachevskaya (1986). E, G.

LECANIA alexandrae Tomin

Makarevich & al. (1982), Kondratyuk & Solonina (1990a), Oxner (1993). B, C, E.

Lecania cuprea (A. Massal.) Van den Boom & Coppins = *Bacidia cuprea* (A. Massal.) Lettau, *Bilimbia cuprea* A. Massal.

Oxner (1968), Makarevich & al. (1982). B.

Lecania cyrtella (Ach.) Th. Fr.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, G.

Lecania dubitans (Nyl.) A. L. Sm. = *Lecania dimera* (Nyl.) Th. Fr.

Makarevich & al. (1982), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D.

Lecania fuscella (Schaer.) A. Massal.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, F.

Lecania inundata (Hepp ex Körb.) M. Mayrhofer

Khodosovtsev (*in press*). E.

Lecania koerberiana Lahm

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, G.

Lecania nylanderiana A. Massal.
Kondratyuk & Solonina (1990a), Oxner (1993). C.

Lecania rabenhorstii (Hepp) Arnold = *Lecania erysibe* (Ach.) Mudd for Ukrainian material

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, D, E, G.

Lecania subcaesia (Nyl.) de Lesd.

Kopachevskaya (1986). G.

Lecania turicensis (Hepp) Müll. Arg. = *Lecania albariella* (Nyl.) Müll. Arg.

Makarevich & al. (1982), Oxner (1993). A.

Lecania zinaidae Oxner

Kondratyuk & Solonina (1990a), Oxner (1993). E.

Lecania albariella = *Lecania turicensis*

Lecania erysibe see *Lecania rabenhorstii*

Lecania detractula = *Catillaria detractula*

Lecania dimera = *Lecania dubitans*

LECANORA *achariana* A. L. Sm.

Kondratyuk & Solonina (1990a). E.

Lecanora albella (Pers.) Ach. = *Lecanora pallida* (Schreb.) Rabenh.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D.

Lecanora albescens (Hoffm.) Branth & Rostr. = *Placolecanora albescens* (Ach.) Makar.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, F, G.

Lecanora allophana Nyl.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.

Lecanora argentata (Ach.) Malme = *Lecanora subfuscata* H. Magn.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, G.

Lecanora bicincta Ram.

Kondratyuk & Solonina (1990a). E.

Lecanora bolcana Pollini = *Placolecanora bolcana* (Pollini) Kopacz.

Kopachevskaya (1986). E, G.

Lecanora campestris (Schaer.) Hue

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, E, G.

Lecanora carpineae (L.) Vain.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, D.

Lecanora cateilea (Ach.) A. Massal.

Makarevich & al. (1982). A.

Lecanora cenisia Ach. = *Lecanora atrynea* (Ach.) Ach.

Makarevich & al. (1982), Kopachevskaya (1986). A, B, E, G.

Lecanora chlarotera Nyl. = *Lecanora rugosella* Zahlbr., *Lecanora crassula* H. Magn.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, G.

Lecanora chloropolia (Erichs.) Almb.

Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, D.

Lecanora configurata Nyl. = *Placolecanora configurata* (Nyl.) Kopach.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, E, G.

Lecanora conizaeoides Nyl. ex Crombie

Kondratyuk & Solonina (1990a). B, C, D.

Lecanora crenulata Hook.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, D, E, F, G.

Lecanora crenulatissima Mereschk.

Kopachevskaya (1986). F.

- Lecanora demissa* (Flot.) Zahlbr. = *Placolecanora demissa* (Flot.) Kopach.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, G.
- Lecanora dispersa* (Pers.) Sommerf.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.
- Lecanora dispersella* J. Steiner
Kopachevskaya (1986). G.
- Lecanora elenkinii* Mereschk.
Kopachevskaya (1986), Kondratyuk & Solonina (1990a). D, F, G.
- Lecanora epanora* (Ach.) Ach.
(unpublished). B.
- Lecanora expallens* Ach. = *Lecanora conizaea* (Ach.) Nyl.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.
- Lecanora frustulosa* (Dicks.) Ach.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, E, G.
- Lecanora fuscescens* (Sommerf.) Nyl. = *Biatora fuscescens* (Sommerf.) Fr.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, D.
- Lecanora gangaleoides* Nyl.
Makarevich & al. (1982), Kopachevskaya (1986). B, G.
- Lecanora garovaglii* (Körb.) Zahlbr. = *Placolecanora garovaglii* (Körb.) Räsänen
Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, E, G.
- Lecanora glabrata* (Ach.) Malme
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, G.
- Lecanora hagenii* (Ach.) Ach.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.
- Lecanora impudens* Degel. = *Lecanora chloropolia* f. *maculata* Erichsen
Makarevich & al. (1982). B.
- Lecanora intricata* (Ach.) Ach.
Makarevich & al. (1982). A, B.
- Lecanora intumescens* (Rebent.) Rabenh.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, G.
- Lecanora laatokkaensis* (Räsänen) Poelt.
(unpublished). E.
- Lecanora leptyroides* (Nyl.) Degel.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.
- Lecanora lithophila* (Wallr.) Oxner
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E.
- Lecanora lojkae* Vain.
Kopachevskaya (1986). G.
- Lecanora ludwigii* Ach. = *Lecanora frustulosa* (Dicks.) Ach. var. *ludwigii* (Ach.) Th. Fr.
Kopachevskaya (1986). G.
- Lecanora macrocyclos* (H. Magn.) Degel. = *Placolecanora muralis* var. *macrocyclos* (H. Magn.) Makar.
Makarevich & al. (1982). A.

Lecanora marginata (Schaer.) Hertel & Rambold = *Lecidea marginata* Schaer., *Lecidea elata* Schaer.

Oxner (1968), Makarevich & al. (1982). B.

Lecanora multispora Makar.

Makarevich & al. (1982). B.

Lecanora muralis (Schreb.) Rabenh. var. *muralis* = *Placolecanora muralis* (Schreb.) Räsänen

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, D, E, F.

Lecanora muralis (Schreb.) Rabenh. var. *versicolor* (Pers.) Tuck. = *Placolecanora versicolor* (Pers.) Kopach.

Kopachevskaya (1986), Kondratyuk & Solonina (1990a). D, F, G.

Lecanora persimilis (Th. Fr.) Nyl.

Kondratyuk (1990). C.

Lecanora phaeostigma (Körb.) Almb. = *Biatora obscurella* (Sommerf.) Arnold

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

Lecanora piniperda Körb. = *Lecanora glauccella* (Flot.) Nyl.

Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, D.

Lecanora polytropia (Ehrh. ex Hoffm.) Rabenh.

Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.

Lecanora populicola (DC. in Lam. & DC.) Duby = *Lecanora distans* (Pers.) Nyl.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.

Lecanora pruinosa Chaub. = *Placolecanora pruinosa* (Chaub.) Kopach.

Kopachevskaya (1986). F, G.

Lecanora pulicaris (Pers.) Ach. = *Lecanora chlarona* (Ach.) Nyl., *Lecanora pinastri* (Schaer.) H. Magn., *Lecanora coilocarpa* (Ach.) Nyl.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, G.

Lecanora pumilionis (Rehm in Arnold) = *Biatora pumilionis* (Rehm in Arnold) Oxner

Oxner (1968), Makarevich & al. (1982). B.

Lecanora riparia (Flot.) J. Steiner = *Placolecanora riparia* (Flot.) Kopach.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, G.

Lecanora rupicola (L.) Zahlbr. subsp. *rupicola*

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, E, G.

Lecanora rupicola (L.) Zahlbr. subsp. *subplanata* (Nyl.) Leuckert & Poelt = *Lecanora subplanata* (Nyl.) Th. Fr.

Kopachevskaya (1986). B, G.

Lecanora rupicola (L.) Zahlbr. subsp. *sulphurata* (Ach.) Leuckert & Poelt = *Lecanora sulphurata* (Ach.) Nyl.

Kopachevskaya (1986). G.

Lecanora saligna (Schr.) Zahlbr.

Makarevich et al. (1982), Kondratyuk & Solonina (1990a). B, C, D.

Lecanora sambuci (Pers.) Nyl.

Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, C, D, E, G.

Lecanora schistina Nyl.

Kopachevskaya (1986). G.

Lecanora subcarnea (Lilj.) Ach.

Kopachevskaya (1986). G.

Lecanora subcarpineae Szatala = *Lecanora nemoralis* Makar.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, G.

- Lecanora subintricata* (Nyl.) Th. Fr.
(unpublished). B.
- Lecanora subrugosa* Nyl.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.
- Lecanora sulphurea* (Hoffm.) Ach. = *Biatora sulphurea* (Hoffm.) Wahlenb., *Lecidea sulphurea* (Hoffm.) Wahlenb.
Makarevich & al. (1982), Kopachevskaya (1986). B, G.
- Lecanora swartzii* (Ach.) Ach. subsp. *swartzii* = *Lecanora subradiosa* Nyl.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, E, G.
- Lecanora swartzii* (Ach.) Ach. subsp. *caulescens* (J. Steiner) Leuckert & Poelt
Kopachevskaya (1986), Leuckert & Poelt (1989). E, G.
- Lecanora symmicta* (Ach.) Ach. = *Biatora symmicta* (Ach.) Fr., *Biatora symmictera* (Nyl.) Räsänen
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.
- Lecanora umbrina* (Ach.) A. Massal.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, F, G.
- Lecanora varia* (Hoffm.) Ach.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, D, G.
- Lecanora wasmuthii* Mereschk.
Kopachevskaya (1986). F.
- Lecanora atra* = *Tephromela atra*
Lecanora atrynea = *Lecanora cenisia*
Lecanora badia = *Protoparmelia badia*
Lecanora chlarona = *Lecanora pulicaris*
Lecanora chloropolia f. *maculata* = *Lecanora impudens*
Lecanora coilocarpa = *Lecanora pulicaris*
Lecanora conizaea = *Lecanora expallens*
Lecanora crassula = *Lecanora chlarotera*
Lecanora distans = *Lecanora populicola*
Lecanora frustulosa var. *ludwigii* = *Lecanora ludwigii*
Lecanora glaucella = *Lecanora piniperda*
Lecanora hypopta = *Lecidea hypopta*
Lecanora nemoralis = *Lecanora subcarpineae*
Lecanora pallida = *Lecanora albella*
Lecanora pinastri = *Lecanora pulicaris*
Lecanora psarophana = *Protoparmelia psarophana*
Lecanora rugosella = *Lecanora chlarotera*
Lecanora subfuscata = *Lecanora argentata*
Lecanora subplanata = *Lecanora rupicola* subsp. *subplanata*
Lecanora subradiosa = *Lecanora swartzii* subsp. *swartzii*
Lecanora sulphurata = *Lecanora rupicola* subsp. *sulphurata*
- LECIDEA aegaeica** Szatala
Kopachevskaya (1986). G.
- Lecidea botryosa* (Fr.) Th. Fr. = *Biatora botryosa* Fr.
Oxner (1968). C.
- Lecidea caesioatra* Schaer.
Oxner (1968), Makarevich & al. (1982). B.
- Lecidea confluens* (Weber) Ach.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, D.

Lecidea exigua Chaub. = *Biatora exigua* (Chaub. in St.-Amans) Fr.

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, D.

Lecidea exilis (Körb.) Rabenh.

Oxner (1968), Kondratyuk & Solonina (1990a). D.

Lecidea fuliginosa Taylor

Oxner (1968), Makarevich & al. (1982). B.

Lecidea fuscoatra (L.) Ach.

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

Lecidea hillmannii Anders = *Biatora hillmannii* (Anders) Oxner

Oxner (1968), Makarevich & al. (1982). B.

Lecidea hypopta Ach. = *Lecanora hypopta* (Th. Fr.) Vain.

Kopachevskaya (1986). G.

Lecidea lapicida (Ach.) Ach. var. *lapicida*

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, D, F, G.

Lecidea lapicida (Ach.) Ach. var. *pantherina* Ach. = *Lecidea lactea* (Hoffm.) Flörke ex Schaer., *Lecidea pantherina* (Ach.) Th. Fr.

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986). A, B, G.

Lecidea limosa Ach.

Oxner (1968), Makarevich & al. (1982). B.

Lecidea lithophila (Ach.) Ach.

Oxner (1968), Makarevich & al. (1982). A, B, C, E.

Lecidea lurida Ach. = *Psora lurida* (Dill. ex With.) DC.

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986). B, F, G.

Lecidea personata (Flot. ex Körb.) Jatta

Oxner (1968), Makarevich & al. (1982). B.

Lecidea plana (Lahm) Nyl.

Oxner (1968), Makarevich & al. (1982). B, E.

Lecidea praenubila Nyl. = *Lecidea paupercula* Th. Fr.

Oxner (1968), Makarevich & al. (1982). A.

Lecidea promiscens Nyl. = *Lecidea promiscua* Nyl.

Oxner (1968), Makarevich & al. (1982). B.

Lecidea silacea (Ach.) Ach. = *Toninia tabacina* (DC.) Flagey

Oxner (1968), Kopachevskaya (1986). G.

Lecidea sphaerella Hedl. = *Biatora sylvana* Körb., *Biatora sphaerella* (Hedl.) Vain.

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, D.

Lecidea sudetica Körb. = *Lecidea pantherina* f. *sudetica* (Körb.) H. Magn.

Oxner (1968), Makarevich & al. (1982). B.

Lecidea tessellata Flörke

Kopachevskaya (1986). G.

Lecidea turgidula Fr. = *Biatora turgidula* (Fr.) Nyl.

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

Lecidea aglaea = *Tephromela aglaea*

Lecidea albocaerulescens = *Porpidia albocaerulescens*

Lecidea albosuffusa = *Farnoldia jurana*

Lecidea armeniaca = *Tephromela armeniaca*

Lecidea assimilata = *Micarea assimilata*

Lecidea assimilata f. *infusata* = *Micarea incrassata*

Lecidea athroocarpa = *Immersaria athroocarpa*

Lecidea atroviridis = *Lecidea ocelliformis*

Lecidea cinereoatra = *Porpidia cinereoatra*

Lecidea convexa = *Porpidia macrocarpa* var. *convexa*

Lecidea convexa var. *musiva* = *Porpidia musiva*

Lecidea convexa var. *hydrophila* = *Porpidia hydrophila*
Lecidea crassipes = *Helocarpon crassipes*
Lecidea crustulata = *Porpidia crustulata*
Lecidea dicksonii = *Tremolecia atrata*
Lecidea elaeochroma = *Lecidella elaeochroma*
Lecidea elata = *Lecanora marginata*
Lecidea flavocoerulescens = *Porpidia flavocoerulescens*
Lecidea glaucophaea = *Porpidia glaucophaea*
Lecidea glomerulosa = *Lecidella elaeochroma*
Lecidea goniophyla = *Lecidella anomaloides*
Lecidea hypnorum = *Mycobilimbia hypnorum*
Lecidea insularis = *Rimularia insularis*
Lecidea jurana = *Farnoldia jurana*
Lecidea lactea = *Lecidea lapicida* var. *pantherina*
Lecidea latypiza = *Lecidella carpathica*
Lecidea leucophaea = *Miriquidica leucophaea*
Lecidea macrocarpa = *Porpidia macrocarpa*
Lecidea marginata = *Lecanora marginata*
Lecidea mosigii = *Orphniospora mosigii*
Lecidea muscorum = *Lecidella wulfenii*
Lecidea obscurissima = *Orphniospora mosigii*
Lecidea ocelliformis = *Biatora ocelliformis*
Lecidea pantherina = *Lecidea lapicida* var. *pantherina*
Lecidea pantherina f. *sudetica* = *Lecidea sudetica*
Lecidea paupercula = *Lecidea praeunubila*
Lecidea pilati = *Adelolecia pilati*
Lecidea scabra = *Lecidella scabra*
Lecidea soledizodes = *Porpidia soledizodes*
Lecidea speirea = *Porpidia speirea*
Lecidea stigmatia = *Lecidella stigmatia*
Lecidea sulphurea = *Lecanora sulphurea*
Lecidea superba = *Porpidia superba*
Lecidea sylvicola = *Micarea sylvicola*
Lecidea testacea = *Psora testacea*
Lecidea vorticosa = *Carbonea vorticosa*

LECIDELLA anomaloides (A. Massal.) Hertel & Kilias = *Lecidea goniophila* Flörke,
Lecidella goniophila (Flörke) Hertel
 Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk &
 Solonina (1990a). A, B, D, G.

Lecidea carpathica Körb. = *Lecidea latypiza* Nyl.

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk &
 Solonina (1990a). A, B, D, E, G.

Lecidella elaeochroma (Ach.) Choisy = *Lecidea elaeochroma* (Ach.) Ach., *Lecidea*
glomerulosa Steud., *Lecidella glomerulosa* (DC.) Choisy, *Lecidella euphorea* (Flörke)
 Hertel

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk &
 Solonina (1990a). A, B, C, D, E, G.

Lecidella scabra (Taylor) Hertel & Leuckert
 Kondratyuk & Solonina (1990a). C.

Lecidella stigmatia (Ach.) Hertel & Leuckert = *Lecidea stigmatia* Ach.

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.

Lecidella wulfenii (Hepp) Körb. = *Lecidea muscorum* (Wulfen) Schaer.

Makarevich & al. (1982). A, B.

Lecidella euphorea = *Lecidella elaeochroma*
Lecidella glomerulosa = *Lecidella elaeochroma*
Lecidella goniophila = *Lecidella anomaloides*

LECIDOMA demissum (Rutstr.) G. Schneid. & Hertel = *Psora demissa* (Rutstr.) Hook.
 Oxner (1968), Makarevich & al. (1982). B.

LEMPHOLEMMA chalazanum (Ach.) de Lesd.
 Oxner (1956), Kondratyuk & Solonina (1990a). C.
Lempholemma vamberyi (Vain.) Zahlbr.
 Oxner (1956), Kopachevskaya (1986). G.

LEPRARIA incana (L.) Ach. = *Lepraria aeruginosa* Schaer.
 Kopachevskaya (1986), Kondratyuk & Solonina (1990a). C, D, G.
Lepraria lesdainii (Hue) R. C. Harris
 Khodosovtsev (in press). F.
Lepraria aeruginosa = *Lepraria incana*
Lepraria candelaris = *Chrysothrix candelaris*
Lepraria latebrarum = *Lecanactis latebrarum*
Lepraria membranacea = *Leproloma membranaceum*

LEPROCAULON microscopium (Vill.) Gams ex D. Hawksw. = *Stereocaulon quisquiliare* (Leers) Hoffm.
 Oxner (1968), Makarevich & al. (1982). B.

LEPROLOMA membranaceum (Dicks.) Vain. = *Crocynia membranacea* (Dicks.) Zahlbr., *Lepraria membranacea* (Dicks.) Lettau
 Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, G.

LEPTOGIUM biatorinum (Nyl.) Leight. = *Leptogium pusillum* Nyl.
 Makarevich & al. (1982). B.

Leptogium byssinum (Hoffm.) Zwackh ap.Nyl.
 Oxner (1956), Kondratyuk & Solonina (1990a). D, E.

Leptogium corniculatum (Hoffm.) Minks = *Leptogium palmatum* (Huds.) Mont.
 Oxner (1956), Kopachevskaya (1986). G.

Leptogium cyanescens (Rabenh.) Körb.
 Oxner (1956), Makarevich & al. (1982). A, B, C.

Leptogium gelatinosum (With.) J. R. Laundon = *Leptogium sinuatum* (Huds.) A. Massal.
 Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, D, E.

Leptogium hildenbrandii (Garov.) Nyl.
 Servit & Cernohorsky (1934). B.

Leptogium intermedium (Arnold) Arnold = *Leptogium minutissimum* (Flörke) Fr.
 Oxner (1956), Makarevich & al. (1982). B, C.

Leptogium lichenoides (L.) Zahlbr.
 Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

Leptogium plicatile (Ach.) Leight.
 Oxner (1956), Kopachevskaya (1986). F, G.

Leptogium saturninum (Dicks.) Nyl.
 Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, G.

Leptogium subtile (Schröd.) Torss.
 Oxner (1956), Makarevich & al. (1982). A, B, C.

Leptogium tenuissimum (Dicks.) Körb.
 Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

***Leptogium turgidum* (Ach.) Crombie**

Oxner (1956), Kopachevskaya (1986). F, G.

Leptogium minutissimum = *Leptogium intermedium*

Leptogium palmatum = *Leptogium corniculatum*

Leptogium pusillum = *Leptogium biatorinum*

Leptogium sinuatum = *Leptogium gelatinosum*

***LEPTORHAPHIS atomaria* (Ach.) Szatala [F]**

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, C, D.

***Leptorhaphis epidermidis* (Ach.) Th. Fr. [F]**

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, D, G.

***Leptorhaphis lucida* Körb. [F]**

Kondratyuk & Solonina (1990a). C.

***Leptorhaphis parameca* (A. Massal.) Körb. [F]**

Kondratyuk & Solonina (1990a). B, C, D.

***Leptorhaphis quercus* (Beltr.) Körb. [F]**

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, D.

Leptorhaphis wienkampii = *Cresporhaphis wienkampii*

LEPTOSPHERIA leucoplaca = *Eopyrenula leucoplaca*

***LETHARIA vulpina* (L.) Hue**

Red Data Book of the USSR (1982). G.

***LETHARIELLA intricata* (Moris) Krog**

Kopachevskaya (1986), Oxner (1993). G.

***LIBERTIELLA malmedyensis* Speg. & Roum [LF]**

Kondratyuk & Kolomiets (*in press*). D.

***LICHENOCONIUM erodens* M. S. Christ. & D. Hawksw. [LF]**

Hawksworth (1992). A.

***Lichenocodium usneae* (Anzi) D. Hawksw. [LF]**

Hawksworth (1992). A.

***Lichenocodium xanthoriae* M. S. Christ. [LF]**

Kondratyuk & Kolomiets (*in press*). D.

***LICHENOSTIGMA maureri* Hafellner [LF]**

Hawksworth (1992). A.

***LICHINA confinis* (O. F. Mull.) Agardh**

Oxner (1956), Kopachevskaya (1986). G.

***LICHINELLA stipatula* Nyl.**

Oxner (1956), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). D, G.

***LOBARIA amplissima* (Scop.) Forssell**

Oxner (1956), Makarevich & al. (1982). B.

***Lobaria linita* (Ach.) Rabenh.**

Oxner (1956), Makarevich & al. (1982). B.

***Lobaria pulmonaria* (L.) Hoffm.**

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.

***Lobaria scrobiculata* (Scop.) DC. = *Lobaria verrucosa* (Huds.) Hoffm.,**

Pseudocyphellaria scrobiculata (Scop.) Blum

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, G.

Lobaria virens (With.) J. R. Laundon = *Lobaria laetevirens* (Leight.) Zahlbr.

Oxner (1956), Kopachevskaya (1986). G.

Lobaria laetevirens = *Lobaria virens*

Lobaria verrucosa = *Lobaria scrobiculata*

LOBOTHALLIA *alphoplaca* (Wahlenb.) Hafellner = *Aspicilia alphoplaca* (Wahlenb. in Ach.) Poelt & Leuckert, *Placolecanora alphoplaca* (Wahlenb.) Räsänen
Kopachevskaya (1986), Kondratyuk & Solonina (1990a). F, G.

LOBOTHALLIA *radiosa* (Hoffm.) Hafellner = *Aspicilia radiosa* (Hoffm.) Poelt & Leuckert, *Placolecanora radiosa* (Hoffm.) Räsänen
Kopachevskaya (1986), Kondratyuk & Solonina (1990a). D, E, F, G.

LOPADIUM *disciforme* (Flot.) Kullh. = *Lopadium pezizoideum* (Ach.) Körb.

Oxner (1968), Makarevich & al. (1982). B.

Lopadium pezizoideum = *Lopadium disciforme*

LOXOSPORA *cismonica* (Beltr.) Hafellner = *Haematomma cismonicum* Beltr.

Makarevich & al. (1982), Oxner (1993). B.

Loxospora elatina (Ach.) A. Massal. = *Haematomma elatinum* (Ach.) A. Massal.

Makarevich & al. (1982), Oxner (1993). B.

MARONEA *constans* (Nyl.) Hepp

Oxner (1968), Makarevich & al. (1982). A, B.

MASSALONGIA *carnosa* (Dicks.) Körb.

Oxner (1956), Makarevich & al. (1982). B.

MEGALARIA *grossa* (Pers. ex Nyl.) Hafellner = *Catillaria leucoplaca* (DC.) A. Massal.

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986). A, B, G.

Megalaria laureri (Hepp ex Th. Fr.) Hafellner = *Catillaria intermixta* Arnold, *Catinaria laureri* (Hepp ex Th. Fr.) Degel.

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986). A, G.

MEGASPORA *verrucosa* (Ach.) Hafellner & V. Wirth = *Aspicilia verrucosa* (Ach.)

Körb., *Pachyospora verrucosa* (Ach.) A. Massal., *Pachyospora mutabilis* (Ach.) A. Massal.

Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, E, G.

MELANELIA *disjuncta* (Erichsen) Essl. = *Melanelia granulosa* (Lynge) Essl.

Oxner (1993). B.

Melanelia elegantula (Zahlbr.) Essl. = *Parmelia elegantula* (Zahlbr.) Szatala, *Melanelia incolorata* (Parr.) Essl.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, D, G.

Melanelia exasperata (De Not.) Essl. = *Parmelia exasperata* (Ach.) De Not., *Parmelia aspera* A. Massal.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, G.

Melanelia exasperatula (Lamy) Essl. = *Parmelia exasperatula* Nyl.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, G.

Melanelia glabra (Schaer.) Essl. = *Parmelia glabra* (Schaer.) Nyl.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, G.

Melanelia grabratula (Lamy) Essl. subsp. *glabratula* = *Parmelia glabratula* (Lamy) Nyl.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, G.

- Melanelia grabratula** (Lamy) Essl. subsp. **fuliginosa** (Duby) J. R. Laundon = *Parmelia fuliginosa* (Fr.) Nyl., *Melanelia fuliginosa* (Fr. ex Duby) Essl.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, G.
- Melanelia laciniatula** (Flagey ex H. Olivier) Essl. = *Parmelia laciniatula* (Flagey) Zahlbr.
Makarevich & al. (1982), Oxner (1993). A, B.
- Melanelia olivacea** (L.) Essl. = *Parmelia olivacea* (L.) Ach.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). B, C, D, G.
- Melanelia panniformis** (Nyl.) Essl. = *Parmelia panniformis* (Nyl.) Vain.
Makarevich & al. (1982), Oxner (1993). A.
- Melanelia septentrionalis** (Lynge) Essl. = *Parmelia septentrionalis* (Lynge) Ahti
Kondratyuk & Solonina (1990a), Oxner (1993). D.
- Melanelia sorediata** (Ach.) Goward & Ahti = *Parmelia sorediosa* Almq., *Parmelia sorediata* (Ach.) Röhl.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, G.
- Melanelia stygia** (L.) Essl. = *Parmelia stygia* (L.) Ach.
Makarevich & al. (1982), Kopachevskaya (1986), Oxner (1993). B, G.
- Melanelia subargentifera** (Nyl.) Essl. = *Parmelia subargentifera* Nyl.
Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). B, C, D, E, G.
- Melanelia subaurifera** (Nyl.) Essl. = *Parmelia subaurifera* Nyl.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, G.
- Melanelia acetabulum* = *Pleurosticta acetabulum*
Melanelia fuliginosa = *Melanelia glabratula* subsp. *fuliginosa*
Melanelia granulosa = *Melanelia disjuncta*
Melanelia incolorata = *Melanelia elegantula*
- MELASPILEA gibberulosa** (Ach.) Zwackh [F]
Oxner (1956), Makarevich & al. (1982). A, B.
- Melaspilea oxneri** Makar. [F]
Oxner (1956), Kondratyuk & Solonina (1990a). C.
- Melaspilea proximella** Nyl. ex Norrl. [F]
Oxner (1956), Makarevich & al. (1982). B.
- MENEGAZZIA terebrata** (Hoffm.) A. Massal. = *Menegazzia pertusa* (Schrank) Stein
Makarevich & al. (1982), Oxner (1993). A, B.
Menegazzia pertusa = *Menegazzia terebrata*
- MERISMATIUM discrepans** (Lahm) Triebel [LF] = *Polyblastia discrepans* Lahm ap. Arnold
Makarevich & al. (1982). B.
- MICAREA assimilata** (Nyl.) Coppins = *Lecidea assimilata* Nyl.
Oxner (1968), Makarevich & al. (1982). B.
- Micarea bauschiana** (Körb.) V. Wirth & Vezda = *Catillaria microspora* Maslowa
Kondratyuk & Solonina (1990a). C.
- Micarea cinerea** (Schaer.) Hedl. = *Bacidia cinerea* (Schaer.) Trevis., *Bilimbica cinerea* (Schaer.) Körb.
Oxner (1968). C.
- Micarea denigrata** (Fr.) Hedl. = *Catillaria denigrata* (Fr.) Hedl. em. Vain.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.
- Micarea incrassata** Hedl. = *Lecidea assimilata* f. *infusca* Th. Fr.
Makarevich & al. (1982). B.

- Micarea lignaria* (Ach.) Hedl. = *Bilimbia lignaria* (Ach.) A. Massal.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, D.
- Micarea melaena* (Nyl.) Hedl. = *Bilimbia melaena* (Nyl.) Arnold
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, C, D.
- Micarea misella* (Nyl.) Hedl. = *Biatora asserculorum* (Ach.) Arnold, *Biatora misella* Falk
Oxner (1968), Kondratyuk & Solonina (1990a). A, D.
- Micarea nitschkeana* (Lahm. in Rabenh.) Harm.
Kondratyuk & Solonina (1990a). D.
- Micarea prasina* Fr. = *Catillaria prasina* (Fr.) Th. Fr.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, D, G.
- Micarea sylvicola* (Flot.) Vezda & V. Wirth = *Lecidea sylvicola* Flot.
Oxner (1968), Makarevich & al. (1982). B.
- MICROCALICIUM** *disseminatum* (Ach.) Vain. [F] = *Strongylopsis commixta* (Vain.) Nadv.
Makarevich & al. (1982). B.
- MICROGLAENA** *corrosa* = *Protothelenella corrosa*
Microglæna modesta = *Thelenella modesta*
Microglæna reducta = *Protothelenella sphinctrinoidella*
- MICROPHIALE** *diluta* = *Dimerella pineti*
Microphiale lutea = *Dimerella lutea*
- MICROTHELIA** *minor* Kernst. [F].
Kopachevskaya (1986). G.
Microthelia macularis = *Mycomicrothelia macularis*
Microthelia marmorata = *Polycoccum marmoratum*
Microthelia micula see *Peridiothelia fuliguncta*
- MIRIQUIDICA** *complanata* (Körb.) Hertel & Rambold = *Aspicilia complanata* (Körb.) Stein
Makarevich & al. 1982. B.
- Miriquidica garovaglii* (Schaer.) Hertel & Rambold = *Biatora aenea* (Dufour) Stein ex Cohn
Oxner (1968), Makarevich & al. (1982). B.
- Miriquidica leucophaea* (Flörke ex Rabenh.) Hertel & Rambold var. *leucophaea* = *Biatora leucophaea* (Flörke ex Rabenh.) Nyl., *Lecidea leucophaea* (Flörke ex Rabenh.) Nyl.
Oxner (1968), Makarevich & al. (1982). B.
- Miriquidica leucophaea* (Flörke ex Rabenh.) Hertel & Rambold var. *griseoatra* (Flot.) V. Wirth = *Miriquidica griseoatra* (Flot.) Hertel & Rambold
Makarevich & al. (1982). B.
- Miriquidica griseoatra* = *Miriquidica leucophaea* var. *griseoatra*
- MOELLEROPSIS** *nebulosa* (Hoffm.) Gyeln. = *Pannaria nebulosa* (Hoffm.) Nyl.
Oxner (1956), Makarevich & al. (1982). A.
- MOSIGIA** *gibbosa* = *Rimularia gibbosa*
- MUELLERELLA** *lichenicola* (Sommerf.) D. Hawksw. [LF]
Khodosovtsev & Kondratyuk (in press). E, F.
- Muellerella pygmaea* (Körb.) D. Hawksw. [LF]
Kondratyuk & Kolomiets (in press). D.

- MYCOBILIMBIA carneoalbida** (Müll. Arg.) Hafellner & V. Wirth = *Bacidia sphaeroides* (Dicks.) Zahlbr., *Bilimbia sphaeroides* (Dicks.) Körb.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, G.
- Mycobilimbia fusca** (A. Massal.) Hafellner & V. Wirth = *Bilimbia obscurata* (Sommerf.) Th. Fr., *Mycobilimbia obscurata* (Sommerf.) Rehm.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986). A, B, G.
- Mycobilimbia hypnorum** (Libert) Kalb & Hafellner = *Biatora fusca* (Borr. ex Schaer.) Th. Fr., *Biatora sanguineoatra* (Ach.) Tuck., *Biatora atrofusca* Flot., *Lecidea hypnorum* Libert
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, D, G.
- Mycobilimbia lobulata** (Sommerf.) Hafellner = *Toninia lobulata* (Sommerf.) Lynge
Oxner (1968), Makarevich & al. (1982). B.
- Mycobilimbia microcarpa** (Th. Fr.) Brunnb. = *Bacidia microcarpa* (Th. Fr.) Lettau, *Bilimbia microcarpa* Th. Fr.
Oxner (1968), Makarevich & al. (1982). A, B.
- Mycobilimbia sabuletorum** (Schreb.) Hafellner = *Bilimbia sabuletorum* (Schreb.) Arnold
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.
- Mycobilimbia sphaeroides** (Dicks.) = *Catillaria sphaeroides* (A. Massal.) Schuler, *Biatora pilularis* (Körb.) Hepp
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, D.
- Mycobilimbia obscurata* = *Mycobilimbia fusca*
- MYCOBLASTUS affinis** (Schaer.) Schauer
Oxner (1968), Makarevich & al. (1982). B.
- Mycoblastus sanguinarius** (L.) Norman
Oxner (1968), Makarevich & al. (1982). B.
- MYCOCALICIUM subtile** (Pers.) Szatala [F] = *Calicium subtile* Pers., *Mycocalicium parietinum* (Ach. ex Schaer.) D. Hawksw. in Tibell
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.
- Mycocalicium cinerascens* = *Chaenothecopsis viridialba*
Mycocalicium parietinum = *Mycocalicium subtile*
- MYCOMICROTHELIA macularis** (A. Massal.) D. Hawksw. [F] = *Microthelia macularis* A. Massal.
Oxner (1956), Makarevich & al. (1982). B.
- Mycomicrothelia melanospora** (Hepp) D. Hawksw. [F]
Kondratyuk & Navrotskaya (1992). E.
- MYCOPORUM hippocastani** (DC.) Coppins [F] = *Dermatina hippocastani* (DC.) Oxner
Oxner (1956), Kondratyuk & Solonina (1990a)
- Mycoporum quercus** (A. Massal.) Zahlbr. [F] = *Dermatina microscopica* (Schaer.) Oxner
Oxner (1956), Kondratyuk & Solonina (1990a). D.
- NEOFUSCELIA delisei** (Nyl.) Essl. = *Parmelia delisei* (Duby) Nyl.
Kopachevskaya (1986), Oxner (1993). F.
- Neofuscelia loxodes** (Nyl.) Essl. = *Parmelia loxodes* Nyl., *Parmelia isidiortyla* Nyl.
Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). D, E, G.
- Neofuscelia pokornyi** (Zahlbr.) Essl. = *Neofuscelia pulla* var. *pokornyi* (Zahlbr.) S. Kondr.
Esslinger (1977), Oxner (1993). E.

- Neofuscelia pulla* (Ach.) Essl. = *Parmelia pulla* Ach.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, F, G.
- Neofuscelia ryssolea* (Ach.) Essl. = *Parmelia ryssolea* (Ach.) Nyl.
Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). D, E, F, G.
- Neofuscelia taurica* (Mereschk.) S. Kondr. = *Parmelia taurica* Mereschk.
Kopachevskaya (1986), Kondratyuk & Solonina (1990a). E, F.
- Neofuscelia verruculifera* (Nyl.) Essl. = *Parmelia glomellifera* Nyl., *Parmelia verruculifera* Nyl.
Makarevich & al. (1982), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D.
- Neofuscelia pulla* var. *pokorny* = *Neofuscelia pokorny*
- NEPHROMA bellum* (Spreng.) Tuck. var. *filarszkianum* (Gyeln.) Dombr.
Makarevich & al. (1982). B.
- Nephroma laevigatum* Ach. = *Nephroma lusitanicum* Schaer.
Oxner (1956), Kopachevskaya (1986). B, G.
- Nephroma parile* Ach.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, G.
- Nephroma resupinatum* (L.) Ach.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). A, B, G.
- Nephroma lusitanicum* = *Nephroma laevigatum*
- NORMANDINA pulchella* (Borrer) Nyl.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, G.
- NORRLINIA medoborensis* S. Kondr. [LF]
Kondratyuk & Galloway (1995). D.
- OCHROLECHIA alboflavescens* (Wulfen) Zahlbr.
Oxner (1993). G.
- Ochrolechia androgyna* (Hoffm.) Arnold
Makarevich & al. (1982), Kopachevskaya (1986), Oxner (1993). B, G.
- Ochrolechia arborea* (Kreyer) Almb.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). B, C, D, G.
- Ochrolechia balcanica* Versegghy
Kopachevskaya (1986), Oxner (1993). G.
- Ochrolechia crozalsiana* Clauzade & Vezda = *Pertusaria tumidula* Erichsen
Oxner (1956), Makarevich & al. (1982). A.
- Ochrolechia pallescens* (L.) A. Massal.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). B, D, G.
- Ochrolechia parella* (L.) A. Massal.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, D, E, G.
- Ochrolechia tartarea* (L.) A. Massal.
Makarevich & al. (1982), Kopachevskaya (1986), Oxner (1993). B, G.
- Ochrolechia turneri* (Sm.) Hasselrot
Makarevich & al. (1982), Oxner (1993). B.
- Ochrolechia yasudae* Vain.
Kopachevskaya (1986), Oxner (1993). G.

OMPHALINA hudsoniana (Jenn.) Bigelow = *Botrydina viridis* (Ach.) Redh. & Kuyper,
Coriscium viride (Ach.) Vain.
 Makarevich & al. (1982). B.

OPEGRAPHA atra Pers.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.

Opegrapha calcarea Sm.

Oxner (1956), Kopachevskaya (1986). G.

Opegrapha lithyrga Ach.

Oxner (1956), Makarevich & al. (1982). A.

Opegrapha mougeotii A. Massal.

Khodosovtsev (1995). F.

Opegrapha physciaria (Nyl.) D. Hawksw. & Coppins [LF]

Khodosovtsev & Kondratyuk (*in press*). B, E, G.

Opegrapha rufescens Pers.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.

Opegrapha rupestris Pers. [LF] = *Opegrapha saxatilis* DC.

Oxner (1956), Kondratyuk & Solonina (1990a). D.

Opegrapha varia Pers. = *Opegrapha lichenoides* Pers., *Opegrapha pulicaris* (Hoffm.) Schrad., *Opegrapha diaphora* Ach., *Opegrapha rimalis* Ach.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

Opegrapha vermicellifera (Kunze) J. R. Laundon = *Opegrapha hapaleoides* Nyl.

Oxner (1956), Makarevich & al. (1982). B.

Opegrapha viridis (Pers. ex Ach.) Behlen & Desberger

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.

Opegrapha vulgata Ach. var. *vulgata* = *Opegrapha devulgata* Nyl., *Opegrapha cinerea* Chevall.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, C.

Opegrapha vulgata Ach. var. *subsiderella* Nyl. = *Opegrapha subsiderella* (Nyl.) Arnold

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

Opegrapha cinerea = *Opegrapha vulgata* var. *vulgata*

Opegrapha devulgata = *Opegrapha vulgata* var. *vulgata*

Opegrapha diaphora = *Opegrapha varia*

Opegrapha hapaleoides = *Opegrapha vermicellifera*

Opegrapha lichenoides = *Opegrapha varia*

Opegrapha pulicaris = *Opegrapha varia*

Opegrapha rimalis = *Opegrapha varia*

Opegrapha saxatilis = *Opegrapha rupestris*

Opegrapha subsiderella = *Opegrapha vulgata* var. *subsiderella*

Opegrapha zonata = *Enterographa zonata*

OPHIOPARMA ventosa (L.) Norman. = *Haematomma ventosum* (L.) A. Massal.

Makarevich & al. (1982), Kopachevskaya (1986), Oxner (1993). B, G.

ORPHNIOSPORA mosigii (Körb.) Hertel & Rambold = *Lecidea obscurissima* Nyl.,
Lecidea mosigii (Körb.) Anzi

Oxner (1968), Makarevich & al. (1982). B.

PACHYOSPORA mutabilis = *Megaspora verrucosa*

Pachyospora verrucosa = *Megaspora verrucosa*

PACHYPHIALE fagicola (Hepp) Zwackh

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, D, G.

PANNARIA conoplea (Ach.) Bory = *Pannaria lanuginosa* (Hoffm.) Szatala, *Pannaria pityrea* (DC.) Nilsson

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

Pannaria leucophaea (Vahl.) M. Jörg. = *Pannaria microphylla* (Sw.) A. Massal.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). A, B, G.

Pannaria lepidota (Sommerf.) Th. Fr.

Makarevich & al. (1982). B.

Pannaria pezizoides (Weber) Trevis.

Oxner (1956), Makarevich & al. (1982). B.

Pannaria rubiginosa (Ach.) Bory

Oxner (1956), Makarevich & al. (1982). B.

Pannaria lanuginosa = *Pannaria conoplea*

Pannaria microphylla = *Pannaria leucophaea*

Pannaria nebulosa = *Moelleropsis nebulosa*

Pannaria pityrea = *Pannaria conoplea*

PARMELIA omphalodes (L.) Ach.

Makarevich & al. (1982), Kopachevskaya (1986), Oxner (1993). B, G.

Parmelia saxatilis (L.) Ach.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, G.

Parmelia submontana Nadv. ex Hale = *Parmelia bohémica* Nadv.

Nadvornik (1951), Oxner (1993). A, B.

Parmelia sulcata Taylor

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, G.

Parmelia acetabulum = *Pleurosticta acetabulum*

Parmelia arnoldii = *Parmotrema arnoldii*

Parmelia aspera = *Melanelia exasperata*

Parmelia bohémica = *Parmelia submontana*

Parmelia caperata = *Flavoparmelia caperata*

Parmelia carporrhizans = *Parmelina carporrhizans*

Parmelia centrifuga = *Arctoparmelia centrifuga*

Parmelia contocarpa = *Parmotrema chinense*

Parmelia conspersa = *Xanthoparmelia conspersa*

Parmelia crinita = *Parmotrema crinita*

Parmelia delisei = *Neofuscelia delisei*

Parmelia elegantula = *Melanelia incolorata*

Parmelia exasperata = *Melanelia exasperata*

Parmelia exasperatula = *Melanelia exasperatula*

Parmelia fuliginosa = *Melanelia glabratula* subsp. *fuliginosa*

Parmelia glabra = *Melanelia glabra*

Parmelia glabratula = *Melanelia glabratula*

Parmelia glomellifera = *Neofuscelia verruculifera*

Parmelia isidiotyla = *Neofuscelia loxodes*

Parmelia laciniatula = *Melanelia laciniatula*

Parmelia laevigata = *Hypotrachyna laevigata*

Parmelia loxodes = *Neofuscelia loxodes*

Parmelia olivacea = *Melanelia olivacea*

Parmelia panniformis = *Melanelia panniformis*

Parmelia perlata = *Parmotrema chinense*

Parmelia pubescens = *Pseudephebe pubescens*
Parmelia pulla = *Neofuscelia pulla*
Parmelia quercina = *Parmelina quercina*
Parmelia revoluta = *Hypotrachyna revoluta*
Parmelia rysssolea = *Neofuscelia rysssolea*
Parmelia scorteae = *Parmelina tiliacea*
Parmelia septentrionalis = *Melanelia septentrionalis*
Parmelia sinuosa = *Hypotrachyna sinuosa*
Parmelia sorediata = *Melanelia sorediata*
Parmelia sorediosa = *Melanelia sorediata*
Parmelia stenophylla = *Xanthoparmelia somloensis*
Parmelia stuppea = *Parmotrema stuppea*
Parmelia stygia = *Melanelia stygia*
Parmelia subargentifera = *Melanelia subargentifera*
Parmelia subaurifera = *Melanelia subaurifera*
Parmelia subrudecta = *Punctelia subrudecta*
Parmelia taractica see *Xanthoparmelia somloensis*
Parmelia taurica = *Neofuscelia taurica*
Parmelia tiliacea = *Parmelina tiliacea*
Parmelia tinctoria = *Xanthoparmelia tinctoria*
Parmelia vagans = *Xanthoparmelia camtschadalis*
Parmelia verruculifera = *Neofuscelia verruculifera*

PARMELIELLA triptophylla (Ach.) Müll. Arg. = *Parmeliella corallinoides* (Hoffm.) Zahlbr.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). A, B, G.

Parmeliella corallinoides = *Parmeliella triptophylla*

Parmeliella plumbea = *Degelia plumbea*

PARMELINA carporrhizans (Taylor) Poelt & Vezda = *Parmelia carporrhizans* Taylor
 Makarevich & al. (1982), Oxner (1993). B.

Parmelina pastillifera (Harm.) Hale

Kopachevskaya (1986), Oxner (1993). G.

Parmelina quercina (Willd.) Hale = *Parmelia quercina* (Willd.) Vain.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, G.

Parmelina tiliacea (Hoffm.) Hale = *Parmelia tiliacea* (Hoffm.) Fr., *Parmelia scorteae* Ach.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, G.

PARMELIOPSIS ambigua (Wulfen) Nyl. = *Foraminella ambigua* (Wulfen) F. C. Mey.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, G.

Parmeliopsis hyperopta (Ach.) Arnold = *Foraminella hyperopta* (Ach.) F. C. Mey.

Makarevich & al. (1982), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, D.

Parmeliopsis aleurites = *Imshaugia aleurites*

PARMOTREMA arnoldii (Du Rietz) Hale = *Parmelia arnoldii* Du Rietz

Makarevich & al. (1982), Oxner (1993). B.

Parmotrema chinense (Osbeck) Hale & Ahti = *Parmelia coniocarpa* Laur., *P. perlata* (Huds.) Ach.

Makarevich & al. (1982), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D.

Parmotrema crinitum (Ach.) Choisy = *Parmelia crinita* Ach.

Makarevich & al. (1982), Oxner (1993). A, B.

Parmotrema stuppeum (Taylor) Hale = *Parmelia stuppea* Taylor

Makarevich & al. (1982), Oxner (1993). A, B.

PECCANIA coralloides (A. Massal.) A. Massal.

Oxner (1956), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). D, G.

PELTIGERA aphthosa (L.) Willd.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, G.

Peltigera canina (L.) Willd.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

Peltigera collina (Ach.) Schrad. = *Peltigera scutata* (Dicks.) Duby

Oxner (1956), Makarevich & al. (1982). A, B.

Peltigera degenii Gyeln.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

Peltigera didactyla (With.) J. R. Laundon = *Peltigera erumpens* (Taylor) Lange,
Peltigera spuria (Ach.) DC.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

Peltigera horizontalis (Huds.) Baumg.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.

Peltigera hymenina (Ach.) Delise = *Peltigera polydactyla* var. *crassoides* Gyeln.

Makarevich & al. (1982). A.

Peltigera lepidophora (Nyl. ex Vain.) Bitter

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, D.

Peltigera leucophlebia (Nyl.) Gyeln.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). A, B, G.

Peltigera malacea (Ach.) Funck

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.

Peltigera neckeri Hepp ex Müll. Arg. = *Peltigera polydactylodes* Nyl.

Oxner (1956), Kondratyuk & Solonina (1990a). B, D.

Peltigera polydactylon (Neck.) Hoffm.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.

Peltigera praetextata (Flörke ex Sommerf.) Zopf

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, G.

Peltigera rufescens (Weis) Humb.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

Peltigera scabrosa Th. Fr.

Oxner (1956), Makarevich & al. (1982). B.

Peltigera venosa (L.) Hoffm.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, G.

Peltigera erumpens = *Peltigera didactyla*

Peltigera lactucifolia = *Peltigera hymenina*

Peltigera polydactyla var. *crassoides* = *Peltigera hymenina*

Peltigera polydactylodes = *Peltigera neckeri*

Peltigera scutata = *Peltigera collina*

Peltigera spuria = *Peltigera didactyla*

PELTULA euploca (Ach.) Poelt in Pisut = *Peltula guepinii* (Del.) Gyeln.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, D.
Peltula guepinii = *Peltula euploca*

PERIDOTHELIA fuliguncta (Norman) D. Hawksw. [F] = *Microthelia micula* (Flot.) Körb. for Ukrainian material see Kondratyuk & Beznis (1989).

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, D, G.

PERTUSARIA albescens (Huds.) Choisy & Werner var. *albescens* = *Pertusaria discoidea* (Pers.) Malme, *Pertusaria globulifera* (Turner) A. Massal.

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, F, G.

Pertusaria albescens (Huds.) Choisy & Werner var. *corallina* (Zahlbr.) J. R. Laundon = *Pertusaria* (Harm.) Erichsen

Makarevich & al. (1982), Kopachevskaya (1986). A, B, C, D, E, G.

Pertusaria alpina Hepp ex Ahles

Oxner (1968), Makarevich & al. (1982). A, B.

Pertusaria amara (Ach.) Nyl.

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, F, G.

Pertusaria areolata (Ach.) A. Massal. = *Pertusaria chionea* DC.

Oxner (1968), Makarevich & al. (1982). B.

Pertusaria australis Vain.

Oxner (1968), Kopachevskaya (1986). F, G.

Pertusaria chiodectionoides Bagl. ex A. Massal.

Oxner (1968), Makarevich & al. (1982). A, B.

Pertusaria coccodes (Ach.) Nyl. = *Pertusaria phymatodes* (Ach.) Erichsen

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

Pertusaria constricta Erichsen

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, D, G.

Pertusaria corallina (L.) Arnold

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

Pertusaria coronata (Ach.) Th. Fr. = *Pertusaria isidiifera* Erichsen

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

Pertusaria dealbata (Ach.) Crombie

Kopachevskaya (1986). A, B, C, G.

Pertusaria flavida (DC.) J. R. Laundon

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

Pertusaria hemisphaerica (Flörke) Erichsen

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, G.

Pertusaria hymenea (Ach.) Schaer.

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

Pertusaria lactea (L.) Arnold

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986). A, B, G.

Pertusaria leioplaca (Ach.) DC. = *Pertusaria leucostoma* A. Massal.

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.

Pertusaria multipuncta (Turner) Nyl.

Oxner (1968), Makarevich & al. (1982). A, B.

Pertusaria obtecta Erichsen

(unpublished). B.

Pertusaria oculata (Dicks.) Th. Fr.

Oxner (1968), Makarevich & al. (1982). B.

Pertusaria pertusa (Weigel) Tuck. = *Pertusaria colliculosa* Körb.

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.

Pertusaria pseudocorallina (Lilj.) Arnold

Oxner (1968), Makarevich & al. (1982). B.

Pertusaria pseudophlyctis Erichsen

Oxner (1968), Makarevich & al. (1982). B.

Pertusaria pustulata (Ach.) Duby

Oxner (1968), Makarevich & al. (1982). A.

Pertusaria servitiana Erichsen

Oxner (1968), Makarevich & al. (1982). B.

Pertusaria sommerfeltii (Sommerf.) Fr.

Oxner (1968), Makarevich & al. (1982). B.

Pertusaria szatalai Erichsen

Oxner (1968), Makarevich & al. (1982). B.

Pertusaria trachythallina Erichsen = *Pertusaria laevigata* (Nyl.) Arnold

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.

Pertusaria chionea = *Pertusaria areolata*

Pertusaria colliculosa = *Pertusaria pertusa*

Pertusaria discoidea = *Pertusaria albescens*

Pertusaria globulifera = *Pertusaria albescens*

Pertusaria henrici = *Pertusaria albescens* var. *corallina*

Pertusaria isidiifera = *Pertusaria coronata*

Pertusaria laevigata = *Pertusaria trachythallina*

Pertusaria leucostoma = *Pertusaria leioplaca*

Pertusaria phymatodes = *Pertusaria coccodes*

Pertusaria tumidula = *Ochrolechia crozalsiana*

PETRACTIS clausa (Hoffm.) Kremp. = *Gyalecta clausa* (Hoffm.) A. Massal.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, D, G.

PEZIZELLA ucrainica S. Kondr. [LF]

Kondratyuk & Galloway (1995). C.

PHAEOCALICIUM populneum (Brond. ex Duby) A. F.W. Schmidt [F] = *Calicium populneum* Brond. ex Duby

Oxner (1956), Makarevich & al. (1982). A.

Phaeocalicium praecedens (Nyl.) A. F.W. Schmidt [F] = *Calicium praecedens* Nyl.

Oxner (1956), Makarevich & al. (1982). B.

PHAEOGRAPHIS dendritica (Ach.) Müll. Arg.

Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B.

PHAEOPHYSCIA ciliata (Hoffm.) Moberg = *Physcia ciliata* (Hoffm.) Du Rietz

Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D, E.

Phaeophyscia endococcina (Körb.) Moberg = *Physcia endococcina* (Körb.) Th. Fr.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, D, G.

Phaeophyscia insignis (Mereschk.) Moberg

Kondratyuk & Navrotskaya (1992). B, D.

Phaeophyscia nigricans (Flörke) Moberg = *Physcia nigricans* (Flörke) Stizenb.

Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D, E.

- Phaeophyscia orbicularis* (Neck.) Moberg = *Physcia orbicularis* (Neck.) Du Rietz
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.
- Phaeophyscia sciastra* (Ach.) Moberg = *Physcia sciastra* (Ach.) Du Rietz
Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, C, D, E, G.
- PHLYCTIS** *agelaea* (Ach.) Flot.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, G.
- Phlyctis argena* (Spreng.) Flot.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, G.
- PHOMA** *denigricans* Hafellner [LF]
Khodosovtsev & Kondratyuk (*in press*). E.
- PHYSCIA** *adscendens* (Fr.) H. Olivier
Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.
- Physcia aipolia* (Ehrh. ex Humb.) Fűrnr.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, F, G.
- Physcia albinea* (Ach.) Nyl
(unpublished). A.
- Physcia biziana* (A. Massal.) Zahlbr.
Lisicka & Kondratyuk (1989). G.
- Physcia caesia* (Hoffm.) Fűrnr.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.
- Physcia clementei* (Turner) Maas Geest.
Kopachevskaya (1986). G.
- Physcia dimidiata* (Arnold) Nyl.
Kopachevskaya (1986), Kondratyuk & Solonina (1990a). D, E, G.
- Physcia dubia* (Hoffm.) Lettau = *Physcia teretiuscula* (Ach.) Lynge
Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D, E.
- Physcia semipinnata* (J. F. Gmel.) Moberg = *Physcia leptalea* (Ach.) DC.
Kopachevskaya (1986). G.
- Physcia stellaris* (L.) Nyl.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, F, G.
- Physcia tenella* (Scop.) DC. = *Physcia hispida* (Hoffm.) Frege
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, D, E, G.
- Physcia tribacia* (Ach.) Nyl.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.
- Physcia wainioi* Räsänen
Kondratyuk & Solonina (1990a). C.
- Physcia ciliata* = *Phaeophyscia ciliata*
Physcia endococcina = *Phaeophyscia endococcina*
Physcia hispida = *Physcia tenella*
Physcia leptalea = *Physcia semipinnata*
Physcia nigricans = *Phaeophyscia nigricans*
Physcia orbicularis = *Phaeophyscia orbicularis*
Physcia sciastra = *Phaeophyscia sciastra*
Physcia teretiuscula = *Physcia dubia*

PHYSCIELLA chloantha (Ach.) Essl.

Kondratyuk 1995. A, C, D.

PHYSICIOPSIS adglutinata = *Hyperphyscia adglutinata***PHYSCONIA detersa** (Nyl.) Poelt

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, G.

Physconia distorta (With.) J. R. Laundon = *Physconia pulverulacea* Moberg, *Physconia pulverulenta* (Schreb.) Poelt

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

Physconia enteroxantha (Nyl.) Poelt

Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, D.

Physconia grisea (Lam.) Poelt

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, F, G.

Physconia muscigena (Ach.) Poelt

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, D, G.

Physconia perisidiosa (Erichsen) Moberg = *Physconia farrea* (Ach.) Poelt

Kopachevskaya (1986). B, D, G.

Physconia venusta (Ach.) Poelt = *Physconia pulverulenta* var. *venusta* (Ach.) Makar.

Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, D, G.

Physconia farrea = *Physconia perisidiosa**Physconia pulverulacea* = *Physconia distorta**Physconia pulverulenta* = *Physconia distorta**Physconia pulverulenta* var. *venusta* = *Physconia venusta***PLACIDIOPSIS cartilaginea** (Nyl.) Vain. = *Placidiopsis custnanii* (A. Massal.) Körb.

Kopachevskaya (1986). G.

Placidiopsis custnanii = *Placidiopsis cartilaginea***PLACOCARPUS schaeferi** (Fr.) Breuss = *Dermatocarpon monstrosum* (Schaer.) Vain., *Endopyrenium monstrosum* (Schaer.) Hazsl.

Oxner (1956), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). D, E, F, G.

PLACOLECANORA albescens = *Lecanora albescens**Placolecanora alphoplaca* = *Lobothallia alphoplaca**Placolecanora bolcana* = *Lecanora bolcana**Placolecanora configurata* = *Lecanora configurata**Placolecanora demissa* = *Lecanora demissa**Placolecanora garovaglii* = *Lecanora garovaglii**Placolecanora muralis* = *Lecanora muralis**Placolecanora muralis* f. *albomarginata* = *Aspicilia albomarginata**Placolecanora muralis* var. *macrocyclus* = *Lecanora macrocyclus**Placolecanora pruinosa* = *Lecanora pruinosa**Placolecanora radiosa* = *Lobothallia radiosa**Placolecanora riparia* = *Lecanora riparia**Placolecanora versicolor* = *Lecanora muralis* var. *versicolor***PLACOPYRENIUM trachyticum** (Hazsl.) Breuss in Nimis & Poelt = *Endopyrenium trachyticum* (Schaer.) Hazsl., *Dermatocarpon trachyticum* (Hazsl.) Vain.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, C, D, E.

PLACYNTHIELLA uliginosa = *Saccomorpha uliginosa*

PLACYNTHIUM nigrum (Huds.) S.O. Gray = *Placynthium tremniacum* (A. Massal.) Jatta

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

Placynthium subradiatum (Nyl.) Arnold

Oxner (1956), Kopachevskaya (1986). G.

Placynthium tremniacum = *Placynthium nigrum*

PLATISMATIA glauca (L.) W.L. Culb. & C. F. Culb.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, G.

PLEUROSTICTA acetabulum (Neck.) Elix & Lumbsch = *Parmelia acetabulum* (Neck.)

Duby, *Melanelia acetabulum* (Neck.) Essl.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, F, G.

POLYBLASTIA abscondita (Nyl.) Arnold

Makarevich & al. (1982). B.

Polyblastia albida Arnold = *Polyblastia obsoleta* Arnold, *Amphoroblastia obsoleta* (Arnold) Servit

Oxner (1956), Makarevich & al. (1982). B.

Polyblastia bavarica D. Torre & Sarnth. = *Amphoroblastia bavarica* (D. Torre & Sarnth.) Servit

Makarevich & al. (1982). B.

Polyblastia buerensis Zschacke = *Amphoroblastia buerensis* (Zschacke) Servit

Makarevich & al. (1982). B.

Polyblastia cupularis A. Massal.

Oxner (1956), Makarevich & al. (1982). B.

Polyblastia dermatodes (A. Massal.) Arnold = *Amphoroblastia dermatodes* (A. Massal.) Servit

Oxner (1956), Makarevich & al. (1982). B.

Polyblastia incavata Mudd = *Amphoroblastia incavata* (Mudd) Servit

Makarevich & al. (1982). B.

Polyblastia lojkana Zschacke

Oxner (1956), Makarevich & al. (1982). B.

Polyblastia muralis (Hepp) Oxner

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). B.

Polyblastia nadvornikii Servit

Oxner (1956), Makarevich & al. (1982). B.

Polyblastia pallescens Anzi

Oxner (1956), Makarevich & al. (1982). B.

Polyblastia plicata (A. Massal.) Lönnr.

Makarevich & al. (1982). B.

Polyblastia terrestris Th. Fr.

Oxner (1956), Makarevich & al. (1982). B.

Polyblastia tirolensis Arnold = *Amphoroblastia tirolensis* (Arnold) Servit

Makarevich & al. (1982). B.

Polyblastia verrucosa (Ach.) Lönnr.

Oxner (1956), Kopachevskaya (1986). B, F.

Polyblastia allobata = *Agonimia allobata*

Polyblastia anceps = *Verrucaria anceps*

Polyblastia discrepans = *Merismatium discrepans*

Polyblastia obsoleta = *Polyblastia albida*

Polyblastia papularis = *Thelidium papulare*

POLYBLASTIOPSIS fallaciosa = *Julella fallaciosa*

POLYCHIDIUM muscicola (Sw.) S. O. Gray

Oxner (1956), Kondratyuk & Solonina (1990a). B.

POLYCOCCUM marmoratum (Kremp.) D. Hawksw. [LF] = *Microthelia marmorata* (Kremp.) Hepp

Kopachevskaya (1986). G.

Polycoccum pulvinatum (Eitner) R. Sant. [L F] = *Polycoccum galligenum* Vezda

Kondratyuk & Kolomiets (in press). D.

Polycoccum galligenum = *Polycoccum pulvinatum*

POLYSPORINA simplex (Davies) Vezda = *Sarcogyne simplex* (Davies) Nyl.

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D, E.

PORINA austriaca (Körb.) Arnold = *Arthopyrenia austriaca* (Körb.) Nowak & Tobol.

Oxner (1956), Makarevich & al. (1982). B.

Porina mammillosa (Th. Fr.) Zahlbr.

Oxner (1956), Makarevich & al. (1982). B.

Porina aenea = *Pseudosagedia aenea*

Porina carpinea = *Pseudosagedia aenea*

Porina chlorotica = *Pseudosagedia chlorotica*

Porina faginea = *Strigula stigmatella*

Porina glabra = *Strigula glabra*

Porina grandis = *Pseudosagedia grandis*

Porina linearis = *Pseudosagedia linearis*

Porina schizospora = *Strigula mediterranea*

POROCYPHUS coccodes (Flot.) Körb. = *Porocyphus areolatus* (Zwackh) Körb.

B.

Porocyphus areolatus = *Porocyphus coccodes*

PORPIDIA albocaerulescens (Wulfen) Hertel & Knoph = *Lecidea albocaerulescens* (Wulfen) Ach.

Oxner (1968), Makarevich & al. (1982). A, B.

Porpidia cinereoatra (Ach.) Hertel & Knoph = *Lecidea cinereoatra* Ach.

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.

Porpidia crustulata (Ach.) Hertel & Knoph = *Lecidea crustulata* (Ach.) Spreng.

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

Porpidia flavocoerulescens (Hornem.) Hertel & Schwab = *Lecidea flavocoerulescens* (Hornem) Ach.

Oxner (1968), Makarevich & al. (1982). B.

Porpidia glaucophaea (Körb.) Hertel & Knoph = *Lecidea glaucophaea* Körb.

Makarevich & al. (1982). A, B.

Porpidia hydrophila (Fr.) Hertel & Schwab = *Lecidea convexa* var. *hydrophila* (Fr.) Th. Fr.

Makarevich & al. (1982). B.

Porpidia macrocarpa (DC.) Hertel & Schwab var. *macrocarpa* = *Lecidea macrocarpa* (DC.) Steud.

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986). A, B, F, G.

- Porpidia macrocarpa* (DC.) Hertel & Schwab var. *convexa* = *Lecidea convexa* (Fr.) Zahlbr.
Oxner (1968). A, B.
- Porpidia musiva* (Körb.) Hertel & Knoph = *Lecidea convexa* var. *musiva* (Körb.) Th. Fr.
Makarevich & al. (1982). B.
- Porpidia soredizodes* (Lamy ex Nyl.) J. R. Laundon = *Lecidea soredizodes* (Lamy ex Nyl.) Vain.
Oxner (1968). A, B.
- Porpidia speirea* (Ach.) Kremp. = *Lecidea speirea* (Ach.) Ach.
Oxner (1968), Makarevich & al. (1982). B.
- Porpidia superba* (Körb.) Hertel & Knoph = *Lecidea superba* Körb.
Oxner (1968), Makarevich & al. (1982). A, B.
- PROTOBLASTENIA calva** (Dicks.) Zahlbr.
Kopachevskaya (1986), Oxner (1993). G.
- Protoblastenia incrustans** (DC.) J. Steiner
Makarevich & al. (1982), Kopachevskaya (1986), Oxner (1993). B, E, F, G.
- Protoblastenia rupestris** (Scop.) J. Steiner
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, E, G.
- Protoblastenia siebenhaariana** (Körb.) J. Steiner
Kondratyuk (*in prep.*). G.
- Protoblastenia monticola* = *Clauzadea monticola*
- PROTOPARMELIA badia** (Hoffm.) Hafellner = *Lecanora badia* (Pers.) Ach.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, E, G.
- Protoparmelia psarophana** (Nyl.) Sancho & A. Crespo in Nimis = *Lecanora psarophana* Nyl.
Kopachevskaya (1986). G.
- PROTOTHELENELLA corrosa** (Körb.) H. Mayrhofer & Poelt = *Microglæna corrosa* (Körb.) Arnold
Oxner (1956), Makarevich & al. (1982). B.
- Protothelenella sphinctrinoidella** (Nyl.) H. Mayrhofer & Poelt = *Microglæna reducta* (Th. Fr.) Helb.
Makarevich & al. (1982). B.
- PSEUDACOLIUM notarisii** = *Cyphelium notarisii*
- PSEUDEPHEBE pubescens** (L.) Choisy = *Parmelia pubescens* (L.) Vain.
Makarevich & al. (1982), Oxner (1993). B.
- PSEUDEVERNIA furfuracea** (L.) Zopf
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, G.
- PSEUDOCYPHELLARIA scrobiculata** = *Lobaria scrobiculata*
- PSEUDOPARMELIA caperata** = *Flavoparmelia caperata*
- PSEUDOSAGEDIA aenea** (Wall.) Hafellner & Kalb = *Porina aenea* (Wallr.) Zahlbr., *Porina carpineae* (Pers.) Zahlbr.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.
- Pseudosagedia chlorotica** (Ach.) Hafellner & Kalb = *Porina chlorotica* (Ach.) Müll. Arg.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). A, B, G.

- Pseudosagedia grandis* (Körb.) Hafellner & Kalb = *Porina grandis* (Körb.) Zahlbr.
Oxner (1956), Makarevich & al. (1982). B.
- Pseudosagedia linearis* (Leight.) Hafellner & Kalb = *Porina linearis* (Leight.) Zahlbr.
Kondratyuk & Solonina (1990a). D.
- Pseudosagedia cerasi* = *Arthopyrenia cerasi*
- Pseudosagedia fallax* = *Arthopyrenia lapponina*
- PSIROLECHIA** *lucida* (Ach.) Choisy = *Biatora lucida* (Ach.) Fr.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),
Oxner (1993). A, C, G.
- PSORA** *decipiens* (Hedw.) Hoffm.
Oxner (1968), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). E, F, G.
- Psora opaca* (Dufour) A. Massal.
Kopachevskaya (1986). G.
- Psora testacea* Hoffm. = *Lecidea testacea* (Hoffm.) Ach., *Chrysopsora testacea* (Hoffm.)
Choisy
Oxner (1968), Kopachevskaya (1986). G.
- Psora demissa* = *Lecidoma demissum*
- Psora lurida* = *Lecidea lurida*
- Psora scalaris* = *Hypocenomyce scalaris*
- PSOROMA** *hypnorum* (Vahl) S. O. Gray
Oxner (1956), Makarevich & al. (1982). B.
- PSOROTICHIA** *moravica* Zahlbr.
Oxner (1956), Kondratyuk & Solonina (1990a). E.
- Psorotichia schaereri* (A. Massal.) Arnold
Oxner (1956), Kopachevskaya (1986). G.
- Psorotichia taurica* (Nyl.) Vain.
Oxner (1956), Kopachevskaya (1986). G.
- PUNCTELIA** *subrudecta* (Nyl.) Krog = *Parmelia subrudecta* Nyl.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),
Oxner (1993). A, B, C, D, G.
- PYCNOTHELIA** *papillaria* Dufour = *Cladonia papillaria* (Ehrh.) Hoffm.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, C.
- PYRENOPSIS rhodosticta* = *Cryptothele rhodosticta*
- Pyrenopsis sphaerospora* = *Cryptothele sphaerospora*
- PYRENULA** (?) *boberskiana* Körb.
Kondratyuk & Solonina (1990a). D.
- Pyrenula coryli* A. Massal. [F]
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). A.
- Pyrenula dermatodes* (Borrer) Schaer.
Oxner (1956), Kondratyuk & Solonina (1990a). B, C, D.
- Pyrenula laevigata* (Pers.) Arnold
Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, D.
- Pyrenula nitida* (Weigel) Ach.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk &
Solonina (1990a). A, B, C, D, G.
- Pyrenula nitidella* (Flörke ex Schaer.) Müll. Arg.
Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.
- Pyrenula leucoplaca* = *Eopyrenula leucoplaca*

PYRRHOSPORA quernea (Dicks.) Körb.

Oxner (1993). A.

PYXINE sorediata (Ach.) Mont. = *Pyxine endochrysoides* (Nyl.) Degel.

Makarevich & al. (1982). A, B.

Pyxine endochrysoides = *Pyxine sorediata***RAMALINA baltica** Lettau

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, D, G.

Ramalina calicaris (L.) Fr. = *Ramalina canaliculata* Fr.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.

Ramalina canariensis J. Steiner

Kopachevskaya (1986). G.

Ramalina capitata (Ach.) Nyl.

Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, D, E, G.

Ramalina dilacerata (Hoffm.) Hoffm. = *Ramalina minuscula* Nyl.

Kondratyuk (1990). B, C, D, E.

Ramalina elegans (Bagl. & Carestia) Stizenb.

Kopachevskaya (1986). B, G.

Ramalina farinacea (L.) Ach.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.

Ramalina fastigiata (Pers.) Ach.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, F, G.

Ramalina fraxinea (L.) Ach.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, F, G.

Ramalina lacera (With.) J. R. Laundon = *Ramalina duriaei* (De Not.) Bagl.

Kopachevskaya (1986). F.

Ramalina lojkana Motyka

Kopachevskaya (1986). G.

Ramalina obtusata (Arnold) Bitter

Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, C?, D?, E?.

Ramalina pollinaria (Westr.) Ach.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, F, G.

Ramalina polymorpha Ach.

Kopachevskaya (1986), Kondratyuk & Solonina (1990a). C, D, E, F, G.

Ramalina pontica Vezda

Brun & Gizbullina (1990). G.

Ramalina roesleri (Hochst. ex Schaer.) Hue

Makarevich & al. (1982). B.

Ramalina scoriseda Zahlbr.

Kopachevskaya (1986). G.

Ramalina subfarinacea (Cromb.) Nyl. = *Ramalina angustissima* (Anzi) Vain.

Kondratyuk & Solonina (1990a). ?.

Ramalina thrausta (Ach.) Nyl.

Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, D.

Ramalina angustissima = *Ramalina subfarinacea**Ramalina canaliculata* = *Ramalina calicaris**Ramalina duriaei* = *Ramalina lacera**Ramalina minuscula* = *Ramalina dilacerata*

- RHIZOCARPON alpicola** (Anzi) Rabenh. = *Catocarpon alpicola* (Hepp) Arnold
Oxner (1968), Makarevich & al. (1982). B.
- Rhizocarpon badioatrum** (Flörke ex Spreng.) Th. Fr. = *Catocarpon badioatrum* (Flörke) Arnold
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, E.
- Rhizocarpon disporum** (Nägeli) Müll. Arg. = *Rhizocarpon montagnei* (Flot. ex Körb.) Körb.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, E, G.
- Rhizocarpon distinctum** Th. Fr.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.
- Rhizocarpon eupetraeum** (Nyl.) Arnold
Oxner (1968), Kondratyuk & Solonina (1990a). C, D.
- Rhizocarpon geminatum** Körb.
Oxner (1968), Kondratyuk & Solonina (1990a). A, B, E.
- Rhizocarpon geographicum** (L.) DC. ap. Lam. & DC. = *Rhizocarpon lindsayanum* Räsänen, *Rhizocarpon riparium* Räsänen
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, F, G.
- Rhizocarpon grande** (Flörke in Flot.) Arnold
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, D, G.
- Rhizocarpon hochstetteri** (Körb.) Vain. = *Catocarpon hochstetteri* (Körb.) Oxner
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, C.
- Rhizocarpon hookeri** (Borrer) Zahlbr.
Makarevich & al. (1982). B.
- Rhizocarpon lavatum** (Fr.) Hazsl.
Oxner (1968), Makarevich & al. (1982). A, B.
- Rhizocarpon obscuratum** (Ach.) A. Massal. = *Rhizocarpon reductum* Th. Fr.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, G.
- Rhizocarpon petraeum** (Wulfen) A. Massal. = *Rhizocarpon concentricum* (Davies) Beltr.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, G.
- Rhizocarpon plicatile** (Leight.) A. L. Sm.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, E.
- Rhizocarpon polycarpum** (Hepp) Th. Fr. = *Catocarpon polycarpum* (Hepp) Arnold
Oxner (1968), Makarevich & al. (1982). A, B.
- Rhizocarpon subgeminatum** Eitner = *Rhizocarpon phalerosporum* (Vain.) H. Magn.
Oxner (1968), Makarevich & al. (1982). B.
- Rhizocarpon umbilicatum** (Ramond) Flagey
Oxner (1968), Makarevich & al. (1982). B.
- Rhizocarpon viridiatrum** (Wulfen) Körb.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, E, G.
- Rhizocarpon concentricum* = *Rhizocarpon petraeum*
Rhizocarpon lindsayanum = *Rhizocarpon geographicum*
Rhizocarpon montagnei = *Rhizocarpon disporum*
Rhizocarpon phalerosporum = *Rhizocarpon subgeminatum*
Rhizocarpon reductum = *Rhizocarpon obscuratum*
Rhizocarpon riparium = *Rhizocarpon geographicum*

- RIMULARIA gibbosa** (Ach.) Coppins, Hertel & Rambold = *Aspicilia gibbosa* (Ach.) Körb., *Mosigia gibbosa* (Ach.) Fr. ex Massal.
Kondratyuk & Solonina (1990a). B, D, E.
- Rimularia insularis** (Nyl.) Rambold & Hertel = *Lecidea insularis* Nyl.
Oxner (1968), Kopachevskaya (1986). E, G.
- RINODINA albana** (A. Massal.) A. Massal.
Kondratyuk & Solonina (1990a). D.
- Rinodina archaea** (Ach.) Arnold em. Malme = *Rinodina trevisanii* (Hepp) Körb.
Makarevich & al. (1982). A, B.
- Rinodina atrocinerea** (Hook.) Körb.
Makarevich & al. (1982). A. (doubtful record: H. Mayrhofer, in litt. to P.L. Nimis).
- Rinodina badiella** (Nyl.) Th. Fr.
Makarevich & al. (1982). B.
- Rinodina bischoffii** (Hepp) A. Massal.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, D, E, F, G.
- Rinodina calcarea** (Arnold) Arnold
Mayrhofer (1984), Kondratyuk & Solonina (1990a). D, E, G.
- Rinodina colobina** (Ach.) Th. Fr.
Makarevich & al. (1982), Kondratyuk & Solonina (1990a), Ropin & Mayrhofer (1995). A, B, D, G.
- Rinodina confragosa** (Ach.) Körb.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, E, G.
- Rinodina conradii** Körb.
Makarevich & al. (1982). B.
- Rinodina cretica** H. Mayrhofer
Mayrhofer (1984). G.
- Rinodina dubyana** (Hepp) J. Steiner
Mayrhofer (1984). G.
- Rinodina exigua** (Ach.) S.O. Gray = *Rinodina kornhuberi* Zahlbr.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Ropin & Mayrhofer (1993), Giralt & Mayrhofer (1994). A, B, C, D, E, G.
- Rinodina gennarii** Bagl. = *Rinodina subexigua* (Nyl.) H. Olivier
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, D, G.
- Rinodina immersa** (Körb.) Zahlbr.
Kopachevskaya (1986). F, G.
- Rinodina laevigata** (Ach.) Malme
Kopachevskaya (1986). B, G.
- Rinodina lecanorina** (A. Massal.) A. Massal. = *Rinodina ocellata* (Hoffm.) Arnold
Kondratyuk & Solonina (1990a). E, F, G.
- Rinodina luridata** (Körb.) H. Mayrhofer, Scheideg. & Sheard
Mayrhofer & al. (1990).
- Rinodina metabolica** (Ach.) Anzi
Kondratyuk & Solonina (1990a). D.
- Rinodina milvina** (Wahlenb.) Th. Fr.
Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, D.
- Rinodina mniaraea** (Ach.) Körb.
Makarevich & al. (1982). B.
- Rinodina oxydata** (A. Massal.) A. Massal.
Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.

- Rinodina polyspora* Th. Fr.
Makarevich & al. (1982), Kondratyuk & Solonina (1990a), Ropin & Mayrhofer (1993). B, D.
- Rinodina pyrina* (Ach.) Arnold
Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D, E.
- Rinodina septentrionalis* Malme
Makarevich & al. (1982). B.
- Rinodina sophodes* (Ach.) A. Massal.
Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Ropin & Mayrhofer (1993). B, C, D, G.
- Rinodina teichophila* (Nyl.) Arnold
Makarevich & al. (1982), Kopachevskaya (1986). A, B, G.
- Rinodina trachytica* (A. Massal.) Bagl. & Carestia
Makarevich & al. (1982), Mayrhofer & al. (1992). A.
- Rinodina tunicata* H. Mayrhofer & Poelt
Kopachevskaya (1986). G.
- Rinodina turfacea* (Wahlenb.) Körb.
Makarevich & al. (1982). B.
- Rinodina vezdae* H. Mayrhofer
Mayrhofer (1984). B.
- Rinodina controversa* = *Rinodinella controversa*
Rinodina crustulata = *Rinidinella controversa*
Rinodina kornhuberi = *Rinodina exigua*
Rinodina ocellata = *Rinodina lecanorina*
Rinodina subexigua = *Rinodina gennarii*
Rinodina trevisani = *Rinodina archaea*
- RINODINELLA controversa** (A. Massal.) H. Mayrhofer & Poelt = *Rinodina controversa* (A. Massal.) H. Mayrhofer & Poelt, *Rinodina crustulata* (A. Massal.) Arnold
Kopachevskaya (1986), Kondratyuk & Solonina (1990a). E, G.
- ROCCELLA phycopsis** Ach. = *Rocella fucoides* (Neck.) Vain.
Oxner (1956), Kopachevskaya (1986). F, G.
Rocella fucoides = *Rocella phycopsis*
- ROPALOSPORA lugubris** (Sommerf.) Poelt = *Bilimbia lugubris* (Sommerf.) Th. Fr.
Oxner (1968), Makarevich & al. (1982). B.
- SACCOMORPHA dasaea** (Stirt.) Khodosovtsev
Khodosovtsev (*in press*). C, E.
- Saccomorpha icmalea** (Ach.) Clauzade & Cl. Roux
Khodosovtsev (*in press*). C, E.
- Saccomorpha oligotropha** (J. R. Laundon) Clauzade & Cl. Roux
Khodosovtsev (*in press*). C, E.
- Saccomorpha uliginosa** (Schr.) Hafellner = *Biatra humosa* Ehrh. ex Arnold, *Biatra uliginosa* (Schr.) Fr., *Placynthiella uliginosa* (Schr.) Coppins & P. James
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.
- SAGEDIOPSIS barbata** (Th. Fr.) R. Sant. & Triebel [LF] = *Gongylia nadvornikii* Servit
Oxner (1956), Makarevich & al. (1982). A.
- SARCOGYNE clavus** (DC.) Kremp.
Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, D.
- Sarcogyne latericola** J. Steiner
Kondratyuk & Solonina (1990a). C.

Sarcogyne privigna (Ach.) A. Massal.

Oxner (1968), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). D, E, G.

Sarcogyne regularis Körb. = *Sarcogyne pruinosa* (Sm.) Körb.

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, F, G.

Sarcogyne pruinosa = *Sarcogyne regularis*

Sarcogyne simplex = *Polysporina simplex*

SARCOSAGIUM campestre (Fr.) Poetsch & Schied.

Zelenko & Kondratyuk (1994). C.

SCHISMATOMMA pericleum (Ach.) Branth & Rostr. = *Schismatomma abietinum* (Ehrh.) A. Massal.

Oxner (1956), Makarevich & al. (1982). A.

Schismatomma abietinum = *Schismatomma pericleum*

SCLEROPHORA coniophaea (Norm.) J. Mattsson & Middelborg = *Coniocybe coniophaea* Norm.

Makarevich & al. (1982). B.

Sclerophora nivea (Hoffm.) Tibell = *Coniocybe pallida* (Pers.) Fr.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, G.

Sclerophora peronella (Ach.) Tibell = *Coniocybe peronella* (Ach.) Tibell, *Coniocybe hyalinella* Nyl.

Oxner (1956), Makarevich & al. (1982). A.

SCOLICIOSPORUM chlorococcum (Graewe in Stenh.) Vezda = *Bilimbia chlorococca* Graewe in Stenh.

Oxner (1968), Kondratyuk & Solonina (1990 a, b). B, C, D, E, G.

Scoliciosporum corticicolum (Anzi) Arnold.

(unpublished). B.

Scoliciosporum perpusillum (Lahm) Körb. = *Bacidia perpusilla* (Lahm) Th. Fr.

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, D.

Scoliciosporum sarothamni (Vain.) Vezda = *Bacidia sarothamnii* Vain.

Oxner (1968), Makarevich & al. (1982). B.

Scoliciosporum umbrinum (Ach.) Arnold = *Bacidia umbrina* (Ach.) Bausch

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D, E.

SCUTULA epiblastematica (Wallr.) Rehm [LF]

Kondratyuk & Kolomiets (*in press*). D.

Scutula tuberculosa (Th. Fr.) Rehm [LF]

Kondratyuk & Kolomiets (*in press*). D.

SOLENOPSORA candicans (Dicks.) J. Steiner

Kopachevskaya (1986). G.

Solenopsora cesatii (A. Massal.) Zahlbr.

Kopachevskaya (1986). G.

SOLOLINA bispora Nyl.

Oxner (1956), Makarevich & al. (1982). B.

Solorina saccata (L.) Ach.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

SPHAEROPHORUS fragilis (L.) Pers.

Oxner (1956), Makarevich & al. (1982). B.

Sphaerophorus globosus (Huds.) Vain.

Oxner (1956), Makarevich & al. (1982). B.

- SPHINCTRINA anglica** Nyl. [LF] = *Sphinctrina microcephala* (Sw.) Nyl.
Makarevich & al. (1982). B.
- Sphinctrina turbinata** (Pers.) De Not. [LF] = *Sphinctrina gelasinata* (With.) Zahlbr.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, D, G.
- Sphinctrina gelasinata* = *Sphinctrina turbinata*
Sphinctrina microcephala = *Sphinctrina anglica*
- SPILONEMA paradoxum** Born.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). A, G.
- SPORASTATIA polyspora** (Nyl.) Grumann
(unpublished). B.
- Sporastatia testudinea** (Ach.) A. Massal.
Oxner (1968), Makarevich & al. (1982). B.
- SQUAMARINA cartilaginea** (With.) P. James = *Squamarina crassa* (Huds.) Poelt
Kopachevskaya (1986), Kondratyuk & Solonina (1990a). C, F, G.
- Squamarina gypsacea** (Sm.) Poelt
Kopachevskaya (1986). F, G.
- Squamarina lamarckii** (DC.) Poelt
Kopachevskaya (1986). F.
- Squamarina lentigera** (Weber) Poelt
Kopachevskaya (1986). F, G.
- Squamarina crassa* = *Squamarina cartilaginea*
- STAUROTHELE caesia** (Arnold) Arnold
Oxner (1956), Kopachevskaya (1986). G.
- Staurothele catalepta** (Ach.) Blomb. & Forssell
Oxner (1956). D, E.
- Staurothele clopima** (Wahlenb.) Th. Fr.
Oxner (1956), Kondratyuk & Solonina (1990a). D, E.
- Staurothele columellaris** Oxner
Oxner (1956), Kondratyuk & Solonina (1990a). E.
- Staurothele elenkinii** Oxner
Oxner (1956), Kondratyuk & Solonina (1990a). D.
- Staurothele fissa** (Taylor) Zwackh = *Staurothele hazslinszkyi* (Körb.) Forssell & Blomb.
Oxner (1956), Makarevich & al. (1982). A.
- Staurothele frustulosa** Vain. = *Staurothele elegans* (Wallr.) Zschake
Oxner (1956) as *Staurothele silesiaca* (A. Massal.) Zschacke; Makarevich & al. (1982)
as *Staurothele silesiaca* (A. Massal.) Zschacke. A.
- Staurothele hymenogonia** (Nyl.) Th. Fr. = *Staurothele ventosa* (A. Massal.) Syd.
Makarevich & al. (1982), Khodosovtsev (1995). B, E.
- Staurothele rufa** (A. Massal.) Zschacke
Oxner (1956), Kopachevskaya (1986). F.
- Staurothele rupifraga** (A. Massal.) Arnold
Makarevich & al. (1982). B.
- Staurothele elegans* = *Staurothele frustulosa*
Staurothele hazslinszkyi = *Staurothele fissa*
Staurothele silesiaca see *Staurothele frustulosa*
Staurothele ventosa = *Staurothele hymenogonia*
- STEINIA geophana** (Nyl.) Stein = *Biatora geophana* (Nyl.) Th. Fr.
Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, D, G.

STENOCYBE maior Nyl. [F]

Nadvornik (1941). A, B.

Stenocybe pullatula (Ach.) Stein [F]Oxner (1956), Makarevich & al. (1982) as *Stenocybe pullata* (Ach.) Stein. B.*Stenocybe pullata* = *Stenocybe pullatula***STEREOCAULON alpinum** Laurer

Oxner (1968), Makarevich & al. (1982). B.

Stereocaulon condensatum Hoffm.

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, C.

Stereocaulon dactylophyllum Flörke

Oxner (1968), Makarevich & al. (1982). A.

Stereocaulon paschale (L.) Hoffm.

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, C, D.

Stereocaulon pileatum Ach. = *Stereocaulon saxonicum* Bachm.

Oxner (1968), Makarevich & al. (1982). A, B.

Stereocaulon tomentosum Fr.

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C.

Stereocaulon vesuvianum Pers.

Oxner (1968), Makarevich & al. (1982). B.

Stereocaulon quisquillare = *Leprocaulon microscopium**Stereocaulon saxonicum* = *Stereocaulon pileatum***STICTA fuliginosa** (Hoffm.) Ach.

Oxner (1956), Makarevich & al. (1982). A, B.

Sticta sylvatica (Huds.) Ach.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, D.

STIGMIDIUM microspilum (Körb.) D. Hawksw. [LF] = *Arthopyrenia microspila* Körb.

Hawksworth (1992). A, D.

Stigmidium schaeferi (A. Massal.) Trevis. [LF]Kondratyuk & Khodosovtsev (*in press*). E.**STRANGOSPORA deplanata** (Almq.) Clauzade & Cl. Roux = *Biatorella deplanata* Almq.

Oxner (1968), Kopachevskaya (1986). G.

Strangospora moriformis (Ach.) Stein

Kondratyuk & Solonina (1990a). D.

Strangospora ochrophora (Nyl.) R. Anderson = *Biatorella ochrophora* (Nyl.) Arnold

Oxner (1968), Makarevich & al. (1982). A.

Strangospora pinicola (A. Massal.) Körb. = *Biatorella pinicola* (A. Massal.) Anzi

Oxner (1968), Kondratyuk & Solonina (1990a). C, D.

STRIGULA glabra (A. Massal.) V. Wirth = *Porina glabra* (Massal) Zahlbr., *Arthopyrenia glabra* (A. Massal.) Novak & Tobol.

Oxner (1956), Makarevich & al. (1982). B, C.

Strigula mediterranea (Vain.) Etayo = *Porina schizospora* Vain.

Oxner (1956), Kopachevskaya (1986). G.

Strigula stigmatella (Ach.) R. C. Harris = *Porina faginea* (Schaer.) Arnold

Oxner (1956), Makarevich & al. (1982). A, B.

STRONGYLOPSIS commixta = *Microcalicium disseminatum***SYNALISSA symphorea** (Ach.) Nyl.

Oxner (1956), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). D, F, G.

TAENIOLELLA delicata M. S. Christ & D. Hawksw. [LF]Kondratyuk & Kolomiets (*in press*). D.

TELOSCHISTES lacunosus (Rupr.) Savicz

Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). E, F.

Teloschistes villosus (Ach.) Norm.

Oxner (1993). G.

TEPHROMELA aglaea (Sommerf.) Hertel & Rambold = *Lecidea aglaea* Sommerf.

Makarevich (1982). B.

Tephromela armeniaca (DC.) Hertel & Rambold = *Lecidea armeniaca* (DC.) Fr.

Oxner (1968), Makarevich & al. (1982). B.

Tephromela atra (Huds.) Hafellner = *Lecanora atra* (Huds.) Ach.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, E, G.

THAMNOLIA vermicularis (Sw.) Ach. ex Schaer.

Makarevich & al. (1982), Kopachevskaya (1986), Oxner (1993). B, G.

THELENELLA modesta (Nyl.) Nyl. = *Microglaena modesta* (Nyl.) A. L. Sm.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, D.

THELIDIUM absconditum (Hepp) Rabenh.

Makarevich & al. (1982), Kopachevskaya (1986). B, G.

Thelidium aeneovinosum (Anzi) Arnold = *Involucrothele aeneovinosa* (Anzi) Servit

Oxner (1956), Makarevich & al. (1982). B.

Thelidium cataractarum (Hepp) Lönnr. = *Involucrothele cataractarum* (Hepp) Servit

Makarevich & al. (1982). B.

Thelidium decipiens (Hepp) Kremp. = *Thelidium immersum* (Leight.) Mudd, *Thelidium cinerascens* (Arnold) Servit

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

Thelidium galbanum (Kremp.) Körb.

Oxner (1956), Kopachevskaya (1986). F, G.

Thelidium minimum (A. Massal. ex Körb.) Arnold = *Involucrothele minima* (A. Massal.) Servit

Makarevich & al. (1982). B.

Thelidium minutulum Körb. = *Thelidium acrotellum* Arnold

Oxner (1956), Makarevich & al. (1982). B.

Thelidium nadvornikii Servit

Servit (1946). A.

Thelidium olivaceum (Fr.) Körb. = *Involucrothele olivacea* (Schaer.) Servit

Oxner (1956), Makarevich & al. (1982). A, B.

Thelidium papulare (Fr.) Arnold = *Polyblastia papularis* (Fr.) Servit

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

Thelidium parvulum Arnold

Oxner (1956), Makarevich & al. (1982). B.

Thelidium piceum Zschacke ex H. Magn. = *Involucrothele picea* (Zschacke) Servit

Makarevich & al. (1982). B.

Thelidium pyrenophorum (Ach.) Mudd = *Involucrothele pyrenophora* (Ach.) Servit

Servit & Cernohorsky (1934), Makarevich & al. (1982). B.

Thelidium rehmsii Zschacke = *Involucrothele rehmsii* (Zschacke) Servit

Oxner (1956), Makarevich & al. (1982). B.

Thelidium acrotellum = *Thelidium minutulum***Thelidium cinerascens** = *Thelidium decipiens***Thelidium immersum** = *Thelidium decipiens***THELOCARPON epibolum** Nyl.

Oxner (1956), Kondratyuk & Solonina (1990a). C.

***Thelocarpon laureri* (Flot.) Nyl.**

Oxner (1956), Kondratyuk & Solonina (1990a). C, D.

***THELOPSIS rubella* Nyl.**

Oxner (1956), Makarevich & al. (1982). B.

***THELOTREMA lepadinum* Ach.**

Oxner (1956), Makarevich & al. (1982). B.

***Thelotrema suecicum* (H. Magn.) P. James**

Purvis & al. 1995. B.

***THERMUTIS velutina* (Ach.) Flot.**

Oxner (1956), Makarevich & al. (1982). A.

***THROMBIUM cretaceum* Oxner**

Oxner (1956), Kondratyuk & Solonina (1990a). D.

***Thrombium endogaeum* Oxner**

Oxner (1956), Kondratyuk & Solonina (1990a). D.

***Thrombium epigaeum* (Pers.) Wallr.**

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C.

***THYREA confusa* Henssen = *Thyrea pulvinata* (Schaer.) A. Massal. for Ukrainian material**

Oxner (1956), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). D, G.

Thyrea pulvinata see *Thyrea confusa*

***TONINIA aromatica* (Sm.) A. Massal.**

Oxner (1968), Kopachevskaya (1986). G.

***Toninia athallina* (Hepp) Timdal = *Catillaria athallina* (Hepp) Hellbom, *Kiliasia athallina* (Hepp) Hafellner**

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, G.

***Toninia candida* (Weber) Th. Fr.**

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

***Toninia cinereovirens* (Schaer.) A. Massal.**

Oxner (1968), Kopachevskaya (1986). G.

***Toninia massata* (Tuck.) Herre = *Toninia kelleri* H. Olivier**

Oxner (1968), Kondratyuk & Solonina (1990a). E.

***Toninia opuntioides* (Vill.) Timdal = *Toninia coeruleonigricans* (Lightf.) Th. Fr. f. *opuntioides* Vill.**

Oxner (1968), Timdal 1991 [Ukraine, without certain location].

***Toninia sedifolia* (Scop.) Timdal = *Toninia coeruleonigricans* (Lightf.) Th. Fr.**

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Timdal (1991). B, D, E, F, G.

***Toninia taurica* (Szatala) Oxner**

Oxner (1968), Kopachevskaya (1986). G.

***Toninia tumidula* (Sm.) Zahlbr.**

Oxner (1968), Kopachevskaya (1986). G.

Toninia coeruleonigricans = *Toninia sedifolia*

Toninia coeruleonigricans f. *opuntioides* = *Toninia opuntioides*

Toninia kelleri = *Toninia massata*

Toninia lobulata = *Mycobilimbia lobulata*

Toninia tabacina = *Lecidea silacea*

***TORNABEA scutellifera* (With.) J. R. Laundon = *Tornabenia atlantica* (Ach.) Kurok.**

Kopachevskaya (1986). F, G.

Tornabenia atlantica = *Tornabea scutellifera*

TRAPELIA *coarctata* (Sm.) Choisy = *Biatora coarctata* (Turner ex Sm. et Sow.) Th. Fr. Oxner (1968), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

Trapelia involuta (Taylor) Hertel = *Biatora coarctata* var. *trapelia* (Ach.) Räsänen, *Trapelia ornata* (Sommerf.) Hertel Makarevich & al. (1982). A.

Trapelia mooreana (Carroll) P. James (unpublished). B.

Trapelia obtegens (Th. Fr.) Hertel = *Biatora coarctata* var. *obtegens* (Th. Fr.) Oxner Makarevich & al. (1982). A, C.

Trapelia placodioides Coppins & P. James Khodosovtsev (in press). E.

Trapelia ornata = *Trapelia involuta*

TRAPELIOPSIS *aeneofusca* (Flörke) Coppins & P. James = *Biatora aeneofusca* (Flörke) Arnold Oxner (1968), Makarevich & al. (1982). B.

Trapeliopsis flexuosa (Fr.) Coppins & P. James = *Biatora flexuosa* Fr., *Biatora atrofusca* var. *templetonii* (Taylor) Wats. Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C.

Trapeliopsis granulosa (Hoffm.) Lumbsch = *Biatora granulosa* (Ehrh.) Flot.

Oxner (1968), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C, D.

Trapeliopsis viridescens (Schröd.) Coppins & P. James = *Biatora viridescens* (Schröd.) Fr. Oxner (1968), Makarevich & al. (1982). B, C.

Trapeliopsis wallrothii (Körb.) Hertel & G. Schneider = *Biatora wallrothii* (Flörke) Körb. Oxner (1968), Makarevich & al. (1982). B.

TREMOLECIA *atrata* (Ach.) Hertel = *Lecidea dicksonii* (Gmelin) Ach. Oxner (1968), Makarevich & al. (1982). B.

TUCKERMANNOPSIS *chlorophylla* (Willd. in Humb.) Hale = *Cetraria chlorophylla* (Willd.) Vain.

Makarevich & al. (1982), Kondratyuk & Solonina (1990a), Oxner (1993). B, C, D.

Tuckermannopsis ciliaris (Ach.) Gyeln. = *Cetraria ciliaris* Ach.

Kondratyuk & Solonina (1990a), Oxner (1993). C.

Tuckermannopsis sepincola (Ehrh.) Hale = *Cetraria sepincola* (Ehrh.) Ach.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). B, C, D, G.

Tuckermannopsis oakesiana = *Allocetraria oakesiana*

Tuckermannopsis pinastri = *Vulpicida pinastri*

TUCKNERARIA *laureri* (Kremp.) Randlane & Thell = *Cetraria laureri* Kremp. Makarevich & al. (1982), Oxner (1993). A, B.

UMBILICARIA *crustulosa* (Ach.) Frey = *Umbilicaria depressa* (Ach.) Duby Oxner (1968), Makarevich & al. (1982). B.

Umbilicaria cylindrica (L.) Delise ex Duby

Oxner (1968), Makarevich & al. (1982). B.

Umbilicaria deusta (L.) Baumg.

Oxner (1968), Makarevich & al. (1982). B, C.

Umbilicaria grisea Hoffm. = *Umbilicaria murina* (Ach.) DC.

Oxner (1968), Kondratyuk & Solonina (1990a). D, E, G.

Umbilicaria hirsuta (Sw. ex Westr.) Hoffm.

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, D, E, G.

Umbilicaria polyphylla (L.) Baumg.

Oxner (1968), Makarevich & al. (1982), Kopachevskaya (1986). B, G.

Umbilicaria proboscidea (L.) Schrad.

Oxner (1968), Makarevich & al. (1982). B.

Umbilicaria subglabra (Nyl.) Harm.

Oxner (1968), Makarevich & al. (1982). B.

Umbilicaria subpolyphylla Oxner

Oxner (1968), Kondratyuk & Solonina (1990a). E.

Umbilicaria tornata (Ach.) Vain..

(unpublished). B.

Umbilicaria torrefacta (Lightf.) Schrad.

Oxner (1968), Makarevich & al. (1982). B.

Umbilicaria vellea (L.) Hoffm. = *Umbilicaria cirrosa* Hoffm.

Oxner (1968), Makarevich & al. (1982). B.

Umbilicaria cirrosa = *Umbilicaria vellea*

Umbilicaria depressa = *Umbilicaria crustulosa*

Umbilicaria murina = *Umbilicaria grisea*

Umbilicaria pustulata = *Lasallia pustulata*

USNEA articulata (L.) Hoffm.

Kondratyuk & Solonina (1990a). ?.

Usnea barbata (L.) F. H. Wigg. em. Motyka

Kondratyuk & Solonina (1990a), Oxner (1993). B, D.

Usnea carpatica Motyka

Makarevich & al. (1982), Oxner (1993). B.

Usnea caucasica Vain.

Makarevich & al. (1982), Oxner (1993). B.

Usnea cavernosa Agassiz

Makarevich & al. (1982), Oxner (1993). B.

Usnea ceratina Ach.

Makarevich & al. (1982), Oxner (1993). A, B, C.

Usnea chaetophora Stirt.

Oxner (1993). B.

? *Usnea cinchonarum* (Fée) Vain.

Kondratyuk & Solonina (1990a). ?.

Usnea distincta Motyka

Makarevich & al. (1982), Oxner (1993). A.

Usnea dubia Motyka

Makarevich & al. (1982). B.

Usnea faginea Motyka

Makarevich & al. (1982), Oxner (1993). B.

Usnea filipendula Stirt. = *Usnea dasypoga* (Ach.) Röhl. em. Motyka

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). B, C, G.

Usnea florida (L.) Weber ex F. H. Wigg.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, D, G.

Usnea fulvoreagens (Räsänen) Räsänen

Makarevich & al. (1982), Oxner (1993). B, C.

Usnea glabrata (Ach.) Vain.

Makarevich & al. (1982), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C.

Usnea glabrescens (Nyl. ex Vain.) Vain. = *Usnea compacta* Motyka, *Usnea laricina* Vain.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). B, C, D, G.

Usnea hirta (L.) Weber ex F. H. Wigg.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, G.

Usnea lapponica Vain. = *Usnea sorediifera* (Hue) Motyka, *Usnea arnoldii* Motyka

Makarevich & al. (1982), Kopachevskaya (1986), Oxner (1993). A, B, C, D, G.

Usnea longissima Vain.

Makarevich & al. (1982), Oxner (1993). B.

Usnea muricata Motyka

Makarevich & al. (1982), Oxner (1993). B.

Usnea perplectans Stirt.

Makarevich & al. (1982), Oxner (1993). B.

Usnea plicata (L.) F. H. Wigg. em. Motyka = *Usnea pendulina* Motyka

Makarevich & al. (1982), Kopachevskaya (1986), Oxner (1993). B, G.

Usnea prostrata Vain. ap. Räsänen

Makarevich & al. (1982), Kopachevskaya (1986), Oxner (1993). B, G.

Usnea rigida (Ach.) Motyka = *Usnea glauca* Motyka

Makarevich & al. (1982), Oxner (1993). B.

Usnea rugulosa Vain.

Makarevich & al. (1982), Oxner (1993). B.

Usnea scabrata Nyl. = *Usnea sylvatica* Motyka

Makarevich & al. (1982), Oxner (1993). A, B, G.

Usnea scrobiculata Motyka

Makarevich & al. (1982), Oxner (1993). B.

Usnea subfloridana Stirt. = *Usnea comosa* (Ach.) Röhl.

Makarevich & al. (1982), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D.

Usnea sublaxa Vain. ap. Norrlin & Nyl.

Makarevich & al. (1982), Kondratyuk & Solonina (1990a), Oxner (1993). B, C, G.

Usnea arnoldii = *Usnea lapponica*

Usnea comosa = *Usnea subfloridana*

Usnea compacta = *Usnea grabrescens*

Usnea dasypoga = *Usnea filipendula*

Usnea laricina = *Usnea glabrescens*

Usnea pendulina = *Usnea plicata*

Usnea sorediifera = *Usnea lapponica*

Usnea sylvatica = *Usnea scabrata*

VERRUCARIA *acrotella* Ach.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). A, F.

Verrucaria adriatica Zahlbr.

Oxner (1956), Kopachevskaya (1986). G.

Verrucaria aethiobola Wahlenb. in Ach. = *Verrucaria laevata* Ach., *Verrucaria cataleptoides* Nyl.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). A, B, G.

Verrucaria anceps Kremp. = *Polyblastia anceps* (Kremp.) Servit

Makarevich & al. (1982). B.

Verrucaria andesiatica Servit

Oxner (1956), Makarevich & al. (1982). A.

Verrucaria aquatilis Mudd

Oxner (1956), Makarevich & al. (1982). A.

- Verrucaria caerulea* DC. = *Verrucaria glaucina* Ach., *Verrucaria plumbea* Ach.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, D, E, G.
- Verrucaria calciseda* DC. = *Amphoridium calcisedum* (DC.) Servit
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, C, D, E, G.
- Verrucaria crethophila* Oxner
Oxner (1956), Kondratyuk & Solonina (1990a). D, E.
- Verrucaria denudata* Zschacke
Oxner (1956), Makarevich & al. (1982). A, B.
- Verrucaria dolosa* Hepp = *Verrucaria floerkeana* Dalla Torre & Sarnth.
Makarevich & al. (1982), Kondratyuk & Solonina (1990a). B, C, D.
- Verrucaria elaeomelaena* (A. Massal.) Arnold
Oxner (1956), Makarevich & al. (1982). A, B.
- Verrucaria fusca* Pers.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). B, D, F.
- Verrucaria fuscella* (Turner) Winch
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). A, B, G.
- Verrucaria fuscula* Nyl.
Oxner (1956), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). D, G.
- Verrucaria glaucovirens* Grumman
Kondratyuk & Solonina (1990a). D.
- Verrucaria halizoa* Leight.
(unpublished). G.
- Verrucaria hochstetteri* Fr. = *Verrucaria mastoidea* (A. Massal.) Trevis., *Amphoridium hochstetteri* (Fr.) A. Massal., *Amphoridium mastoideum* A. Massal.
Makarevich & al. (1982). B.
- Verrucaria hydrela* Ach. = *Verrucaria submersella* Servit, *Verrucaria submersa* Schaer., *Verrucaria calcaria* Zschacke
Oxner (1956), Makarevich & al. (1982). A, B.
- Verrucaria keissleri* Szatala
Oxner (1956), Makarevich & al. (1982). B.
- Verrucaria lecideoides* Trevis.
Oxner (1956), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). D, E, G.
- Verrucaria macrostoma* DC.
Khodosovtsev (1995). F, G.
- Verrucaria margacea* (Wahlenb.) Wahlenb. = *Verrucaria applanata* Hepp
Oxner (1956), Makarevich & al. (1982). B.
- Verrucaria marmorea* (Scop.) Arnold
Oxner (1956), Kopachevskaya (1986). F, G.
- Verrucaria maura* (Sm.) Wahlenb. in Ach.
Oxner (1956), Kopachevskaya (1986). G.
- Verrucaria muralis* Ach. = *Verrucaria confluens* A. Massal., *Verrucaria rupestris* Schrad.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, F, G.
- Verrucaria murina* Leight.
Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). B, G.
- Verrucaria murorum* (Arnold) Lindau
Makarevich & al. (1982). B.
- Verrucaria mutabilis* Borrer ex Leight.
Makarevich & al. (1982). A.

Verrucaria nigrescens Pers. = *Verrucaria controversa* A. Massal.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). A, B, C, D, E, G.

Verrucaria pontica Oxner

Oxner (1956), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). D, E, F.

Verrucaria praetermissa (Trevis.) Anzi

Oxner (1956), Makarevich & al. (1982). B.

Verrucaria rheitrophila Zchacke = *Verrucaria kernstockii* Zchacke

Oxner (1956), Makarevich & al. (1982). B.

Verrucaria squamulosocrustacea (Savic) Oxner

Oxner (1956), Kopachevskaya (1986), Kondratyuk & Solonina (1990a). E, G.

Verrucaria striatula Wahlenb. in Ach. = *Verrucaria microspora* Nyl.

Kopachevskaya (1986). G.

Verrucaria subtilis Müll. Arg. = *Amphoridium subtile* (Müll. Arg.) Servit

Makarevich & al. (1982). B.

Verrucaria transiliens Arnold

Makarevich & al. (1982). B.

Verrucaria tristis (A. Massal.) Kremp.

Oxner (1956), Makarevich & al. (1982). B.

Verrucaria umbrinula Nyl.

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). B, F, G.

Verrucaria veronensis A. Massal. = *Amphoridium veronense* A. Massal.

Makarevich & al. (1982). B.

Verrucaria viridula (Schrad.) Ach. = *Amphoridium viridulum* (Ach.) Servit

Oxner (1956), Makarevich & al. (1982), Kopachevskaya (1986). A, F.

Verrucaria xyloxena Norman = *Verrucaria terrestris* Vain.

Kondratyuk & Solonina (1990a). ?.

Verrucaria applanata = *Verrucaria margacea*

Verrucaria calcaria = *Verrucaria hydrela*

Verrucaria cataleptoides = *Verrucaria aethiobola*

Verrucaria confluens = *Verrucaria muralis*

Verrucaria controversa = *Verrucaria nigrescens*

Verrucaria floerkeana = *Verrucaria dolosa*

Verrucaria glaucina = *Verrucaria caerulea*

Verrucaria kernstockii = *Verrucaria rheitrophila*

Verrucaria laevata = *Verrucaria aethiobola*

Verrucaria mastoidea = *Verrucaria hochstetteri*

Verrucaria plumbea = *Verrucaria caerulea*

Verrucaria rupestris = *Verrucaria muralis*

Verrucaria submersa = *Verrucaria hydrela*

Verrucaria submersella = *Verrucaria hydrela*

Verrucaria terrestris = *Verrucaria xyloxena*

VULPICIDA pinastri (Scop.) J.-E. Mattsson & M.-J. Lai = *Cetraria pinastri* (Scop.) S. F.

Gray, *Tuckermannopsis pinastri* (Scop.) Hale

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, D, E, G.

XANTHOPARMELIA camtschadalis (Ach.) Hale = *Xanthoparmelia vagans* (Nyl.) S. Kondr., *Parmelia vagans* Nyl.

Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). E, F, G.

Xanthoparmelia conspersa (Ehrh. ex Ach.) Hale = *Parmelia conspersa* (Ehrh. ex Ach.) Ach.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). A, B, C, E, F, G.

Xanthoparmelia protomatrae (Gyeln.) Hale

Oxner (1993). A, B.

Xanthoparmelia somloensis (Gyeln.) Hale = *Xanthoparmelia taractica* (Kremp.) Hale,
Parmelia taractica Kremp., *Parmelia stenophylla* (Ach.) Heug.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),
Oxner (1993). A, B, C, D, E, G.

Xanthoparmelia tinctina (Maheu & Gillet) Hale = *Parmelia tinctina* Maheu & Gillet

Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). D, G.

Xanthoparmelia taractica = *Xanthoparmelia somloensis*

Xanthoparmelia vagans = *Xanthoparmelia camtschadalis*

XANTHORIA *calcicola* Oxner = *Xanthoria aureola* (Ach.) Erichsen

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),
Oxner (1993). B, E, F, G.

Xanthoria candelaria (L.) Th. Fr.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),
Oxner (1993). A, B, C, D, E, G.

Xanthoria elegans (Link) Th. Fr. = *Caloplaca elegans* (Link) Th. Fr.

Kopachevskaya (1986), Kondratyuk & Solonina (1990a), Oxner (1993). B, D, E, F, G.

Xanthoria fallax (Hepp) Arnold

Makarevich & al. (1982), Kondratyuk & Solonina (1990a), Oxner (1993). B, C, D.

Xanthoria fulva (Hoffm.) Poelt & Petutschnig

Zelenko & Kondratyuk (1994). C.

? *Xanthoria isidioidea* (Beltr.) Reichert & Galun

Kopachevskaya (1986). G.

Xanthoria papillifera (Vain.) Poelt

Kopachevskaya (1986), Oxner (1993), Kondratyuk (1995). D, F.

Xanthoria parietina (L.) Th. Fr.

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),
Oxner (1993). A, B, C, D, E, F, G.

Xanthoria polycarpa (Hoffm.) Rieber

Makarevich & al. (1982), Kopachevskaya (1986), Kondratyuk & Solonina (1990a),
Oxner (1993). B, C, D, E, F, G.

Xanthoria sorediata (Vain.) Poelt = *Caloplaca sorediata* (Vain.) Du Rietz

Oxner (1993). G.

Xanthoria subfruticulosa (Elenkin) Piin var. *xanthorioides* (Mereschk.) S. Kondr. =

Caloplaca subfruticulosa (Elenkin) Zahlbr. var. *xanthorioides* Mereschk.

Oxner (1993). G.

Xanthoria ulophyllodes Räsänen

Zelenko & Kondratyuk (1994). C.

Xanthoria aureola = *Xanthoria calcicola*

Xanthoria lobulata = *Caloplaca lobulata*

XANTHORIICOLA *physciae* (Kalchbr.) D. Hawksw. [LF]

Kondratyuk & Kolomiets (*in press*). D.

XYLOGRAPHA *parella* (Ach.) Behlen & Desb. = *Xylographa abietina* (Pers.) Zahlbr.

Oxner (1956), Makarevich & al. (1982), Kondratyuk & Solonina (1990a). A, B, C.

Xylographa abietina = *Xylographa parella*

ZWACKHIOMYCES *coepulonus* (Norman) Grube & R. Sant. [LF]

Kondratyuk & Kolomiets (*in press*). D.

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Appendix 1 - New combinations

NEOFUSCELIA taurica (Mereschk.) S. Kondr. **comb. nova** — *Parmelia taurica* Mereschk., Lich. Ross. (1913) No. 7.

SACCOMORPHA dasaea (Stirt.) Khodosovtsev **comb. nova** — *Lecidea dasaea* Stirt. in Scott. Nat. **5**: 219 (1880). Syn. *Placynthiella dasaea* (Stirt.) Tönsb.

XANTHORIA subfruticulosa (Elenkin) Piin var. *xanthorioides* (Mereschk.) S. Kondr. **comb. nova** — *Placodium subfruticulosum* Elenkin var. *xanthorioides* Mereschk., Kenntnis der Flecht. Wladimir. Guvern. (1911): 26.

Appendix 2 - List of species not mentioned in Oxner (1956, 1968, 1993; Makarevich & al., 1982; Kopachevskaya 1986; Kondratyuk, Solonina 1990a).

Acarospora scabrida Hedl. ex H. Magn., *Acremonium strictum* W. Gams [LF], *Arthonia calcicola* Nyl., *Arthonia clemens* (Tul.) Th. Fr. [LF], *Arthonia destruens* Rehm [LF], *Arthonia epiphyscia* Nyl. [LF], *Arthrorhaphis grisea* Th. Fr. [LF], *Athelia arachnoidea* (Berk.) Julich [LF], *Bispora christiansenii* D. Hawksw., *Buellia griseovirens* (Turner & Borrer ex Sm.) Almb., *Buellia nivalis* (Bagl. & Carestia) Hertel in Hafellner, *Caloplaca cerinelloides* (Erichsen) Poelt in Degel., *Caloplaca chrysophthalma* Degel., *Caloplaca herbidella* (Hue) H. Magn., *Caloplaca inconnexa* (Nyl.) Zahlbr., *Caloplaca marmorata* (Bagl.) Jatta, *Caloplaca scythica* Khodosovtsev & U. Söchting, *Caloplaca tominii* Savicz, *Capronia peltigerae* (Fuckel) D. Hawksw. [LF], *Catillaria*

atomarioides (Müll. Arg.) Kilius [LF], *Chaenothecopsis viridialba* (Kremp.) A. F. W. Schmidt, *Collemopsisidium iocarpum* (Nyl.) Nyl., *Dendroscocaulon bolacinum* (Ach.) Nyl., *Dermatocarpon meiophyllizum* Vain., *Dirina stenhammari* (Stenham.) Poelt & Follm., *Gonoymenia myriospora* (Zahlbr.) Zahlbr., *Hobsonia christiansenii* B.L. Brady & D. Hawksw. [LF], *Guignardia olivieri* (Vouaux) H. Olivier [LF], *Hypocenomyce anthracophila* (Nyl.) P. James & G. Schneid., *Hypocenomyce praestabilis* (Nyl.) Timdal, *Hypocenomyce sorophora* (Vain.) P. James & Poelt, *Lasallia rossica* Dombr., *Lecania inundata* (Hepp ex Körb.) M. Mayrhofer, *Lecanora laetokkaensis* (Räsänen) Poelt, *Lecanora persimilis* (Th. Fr.) Nyl., *Lecanora swartzii* (Ach.) Ach. subsp. *caulescens* (J. Steiner) Leuckert & Poelt, *Lepraria lesdainii* (Hue) R. Harris, *Leptogium hildenbrandii* (Garov.) Nyl., *Letharia vulpina* (L.) Hue, *Libertiella malmedyensis* Speg. & Roum [LF], *Lichenocodium erodens* M.S. Christ. & D. Hawksw. [LF], *Lichenocodium usneae* (Anzi) D. Hawksw. [LF], *Lichenocodium xanthoriae* M.S. Christ. [LF], *Lichenostigma maureri* Hafellner [LF], *Muellerella lichenicola* (Sommerf.) D. Hawksw. [LF], *M. pygmaea* (Körb.) D. Hawksw. [LF], *Norrlinia medoborensis* S. Kondr. [LF], *Opegrapha mougeotii* A. Massal., *Opegrapha physciaria* (Nyl.) D. Hawksw. & Coppins [LF], *Pezizella ucrainica* S. Kondr. [LF], *Phoma denigrans* Hafellner, *Physcia biziana* (A. Massal.) Zahlbr., *Physciella chloantha* (Ach.) Essl., *Polycoccum pulvinatum* (Eitner) R. Sant. [LF], *Protoblastenia siebenhaariana* (Körb.) J. Steiner, *Ramalina canariensis* J. Steiner, *Ramalina dilacerata* (Hoffm.) Hoffm., *Ramalina lacera* (With.) J. R. Laundon, *Ramalina pontica* Vezda, *R. cretica* H. Mayrhofer, *R. vezdae* H. Mayrhofer, *Saccomorpha dasaea* (Stirt.) Khodosovtsev, *Saccomorpha icmalea* (Ach.) Clauzade & Cl. Roux, *Saccomorpha oligotropa* (J. R. Laundon) Clauzade & Cl. Roux, *Sarcosagium campestre* (Fr.) Poetsch & Schiederm., *Scutula epiblastematica* (Wallr.) Rehm. [LF], *Scutula tuberculosa* (Th. Fr.) Rhem, *Stenocybe maior* Nyl., *Stigmidium microspilum* (Körb.) D. Hawksw. [LF], *Stigmidium schaeereri* (A. Massal.) Trevis. [LF], *Taeniolella delicata* M. S. Christ & D. Hawksw. [LF], *Thelidium nadvornikii* Servit, *Thelidium pyrenophorum* (Ach.) Mudd, *Thelotrema suecicum* (H. Magn.) P. James, *Toninia opuntioides* (Vill.) Timdal, *Trapelia placodioides* Coppins & P. James, *Verrucaria macrostoma* DC., *Xanthoria fulva* (Hoffm.) Poelt & Petutschnig, *Xanthoria ulophyllodes* Räsänen, *Xanthoriicola physciae* (Kalchbr.) D. Hawksw. [LF], *Zwackhiomyces coepulonus* (Norm.) Grube & R. Sant. [LF]

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