

## CONTRIBUTIONS TO THE LICHEN FLORA OF CRETE: A COMPILATION OF REFERENCES AND SOME NEW RECORDS

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**Abstract:** An updated checklist of lichens of Crete is presented. A total of 440 taxa is reported. The checklist distinguishes 4 administrative subdivisions (prefectures) in Crete. Strong degradation of the vegetation throughout the island limits the abundance of corticolous lichens, only the woody patches in the western part contain a number of otherwise rare oceanic species.

### Introduction

The first lichen collections from Crete were reported by Zahlbrückner (1906). Some years later, Steiner (1916, 1919) published on collections made by Ginzberger and those gathered during an excursion of the University of Vienna. A larger number of specimens were collected by Rechinger during a longer stay on the island. These collections were determined and published by Szatala (1943a). These prior results were the basis for the first checklist by Kleinig (1966) who listed some 330 species, including 80 new records. Additional information was contributed by Rondon (1969), and is scattered throughout the literature. In this compilation we have tried to screen the literature completely, and also include data from various other collectors as well as some of our own collections.

### Survey area

Crete has a rather central location in the Mediterranean, and is, together with its surrounding small islets, the southernmost island complex of Europe. It is also the fifth-largest island in the Mediterranean with an area of 8729 square kilometers (after Sicily, Sardinia, Cyprus, and Corsica). The main island has a significant East-West orientation and measures 254 km in this direction, whereas its width is only 12 km at its narrowest and 56 km at its broadest point. The natural subdivision of the island is determined by its mountain systems, the Lefka Ori (2453 m), the Psiloritis (2456 m), which have snow cover mostly until June, and the lower

systems, e.g. the Dikti mountains towards the east, and on the Sitia peninsula, the Orno ridges and the Afendis-Kavousi mountains (1476 m). Amidst the larger mountain systems, three highland plains (polje) are found: the Omalos, Lassithi, and Nida plains. The mountain ridges are steep at their southern ridges towards the Lybian sea, and interrupted by deep gorges, with Samaria as the most famous one. Several small islands surround Crete: Gramvousa, Pontikinisi, Dia, Dyonisiades in the North, and Gavdos (i.e. the southernmost point of Europe), Paximadia, Chrisi, and Koufonisi in the South.

Crete is the remaining part of a larger geological folding system originating from the Oligocene, which connected the Peloponnes with the mountains of West Anatolia. This is part of the European plate, which is raised while the African plate moved underneath to the north beginning with the Cretaceous. A geological map was provided by Creutzberg *et al.* (1977). Phyllite-quartzites, with a richly developed lichen diversity, are the oldest metamorphic rocks on the island (at least 300 m years old) and mainly found in the western parts. A completely different lichen flora is found on platy limestones and crystalline limestones, which are otherwise dominating in the mountains and contributing to karst phenomena. The late tertiary to neogenic marl, sandstones and clays, are mainly found in the lowlands. Natural concretes, such as breccia and conglomerate, can be of any date, even less than 50 years old. The unstable structure of these sub-



Fig. 1 - The island of Crete and its subdivision in prefectures: C = Nomos Chanion, R = Nomos Rethimnon, I = Nomos Irakliou, L = Nomos Lassithi.

strata does not support a well developed lichen flora.

Crete is characterized by a typical Mediterranean climate and influenced by different winds. In winter, the accompanying rains of the mainly westerly winds are the reason why Western Crete gets most of the precipitation, whereas the eastern and southern parts are more dry. A warm wind from the South, called Notia, which transports dust from Sahara, sometimes interferes in winter. In summer, relatively strong and cool winds from the North, the etesian winds, may occur. Frost is rare in the lowlands, whereas the mountains get snow down to 1600 m in winter, which is then persisting often until May. Rainfalls start in September to November, and reach their maximum in December and January. In June to August, even the mountains rarely get any rain. Fog is encountered mainly in northern exposed parts of the mountains. The often heavy rains, which are not absorbed by the soil, are of little use for the vegetation in general. However, in the valley systems in the West, they contribute to higher humidity.

The vegetation is mostly eumediterranean and, today, large closed forests are missing, contrasting with the descriptions of Homer and Theophrastus, who characterized Crete as an island with 'rich woodland'. However, it is difficult to estimate what exactly was understood under that term and, unfortunately, pollen deposits are rare. Rather dense chestnut-platane stands, often with oak are still found in the western, more humid part of the island. Large parts of the island, including the understorey of the woodlands are, however,

influenced by grazing animals, and there is hardly any undisturbed locality. Open vegetation is mostly garigue (phrygana) or steppe, and well developed maquis is found only in the valleys of the western parts. Rondon (1969) provided some notes on common lichen habitats in Crete. To these we can add the observations that thorny cushion plants are an interesting microhabitat for lichens at higher altitudes, and that *Castanea* plantations in Western Crete are lichenologically interesting, especially in shaded gorges. Although the understorey and even branches of the trees in these plantations are heavily degraded by goat grazing, notable oceanic species, such as *Degelia plumbea* or various *Bacidia* species, are found here.

### Organization of the list

Four administrative subdivisions (prefectures, gr. Nomos) are distinguished (Fig. 1): C = Nomos Chanion, R = Nomos Rethimnon, I = Nomos Irakliou, L = Nomos Lassithi. R/I denotes the areas in the Psiloritis mountains where the corresponding prefecture can not be assigned. Details of new records for a prefecture are given in brackets after the abbreviation of the corresponding prefecture. As a literature reference we included the first publication of a specimen. Records of lichenicolous fungi include the name of their hosts.

### The list

#### *Acarospora cervina* A. Massal.

Szatala 1943b; Kleinig 1966 – R (7 km S Anogia, 1993, leg. Nordin, UPS), I, L

- Acarospora glaucocarpa* (Ach.) Körb.  
Szatala 1943b – R
- Acarospora nodulosa* (Dufour) Hue  
Szatala 1943b – C
- Acarospora schleicheri* (Ach.) A. Massal.  
Rondon 1969 – C (Imbros, 1988, leg. Timdal,  
hb. Timdal)
- Acarospora smaragdula* (Wahlenb.) A. Massal.  
Zahlbruckner 1906 – I
- Acarospora sulphurata* (Arnold) Arnold  
Kleinig 1966 – R
- Acarospora umbilicata* Bagl.  
Syn. *Acarospora cretica* J. Steiner, *A. percaenoides* (Nyl.) Jatta  
Zahlbruckner 1906; Steiner 1916 – I
- Acarospora veronensis* A. Massal.  
Szatala 1943b – C, R/I
- Acrocordia gemmata* (Ach.) A. Massal.  
R (Adelaki, 12 km S Rethimno, 1993, leg.  
Nordin, UPS)
- Amandinea punctata* (Hoffm.) Coppins & Scheid.  
Syn. *Buellia myriocarpa* DC. (Mudd) var. *virens*  
J. Steiner; *Buellia aequata* (Ach.) Szatala  
Steiner 1916 – I
- Anaptychia ciliaris* (L.) Körb.  
Szatala 1943b (var. *crinalis* (Schleich.) Rabenh.,  
var. *melanosticta* (Ach.) Boist.); Kleinig 1966;  
Czeczuga et al. 1994 – C, R (Oros Idi, Skinakas,  
1997, leg. Suppan, GZU), R/I
- Anema prodigulum* (Nyl.) Henssen  
Rondon 1969
- Arthonia dispersa* (Schrad.) Nyl.  
Szatala 1943b – I (Matala, 1997, leg. Grube,  
GZU), L
- Arthonia epiphyscia* Nyl.  
L (1,5 km S Kalavros, 1999, leg. Grube, GZU)  
Host: *Physcia scopulorum*
- Arthonia galactites* (DC.) Dufour  
Zahlbruckner 1906 – I
- Arthonia meridionalis* Zahlbr.  
Szatala 1943b – L
- Arthonia palmicola* Ach.  
Szatala 1943b – L
- Arthonia pinastri* Anzi  
Sundin 1999 – L
- Arthothelium ruanum* (A. Massal.) Körb.  
Syn. *A. dispersum* auct.  
Kleinig 1966 – S
- Aspicilia caesiocinerea* (Nyl. ex Malbr.) Arnold  
Syn. *Aspicilia subdepressa* (Nyl.) Arnold  
Steiner 1916; Kleinig 1966, – C, I
- Aspicilia calcarea* (L.) Mudd  
Zahlbruckner 1906 (var. *concreta* Schaer.);  
Szatala 1943b (f. *atomaria* (A. Massal.) Hazsl.);  
Kleinig 1966; Rondon 1969; Eigler 1969; Papp  
et al. 1999 – C, I, L
- Aspicilia cheresina* (Müll. Arg.) Hue var. *microspora*  
(Arnold) Clauzade & Cl. Roux  
Syn. *Aspicilia microspora* (Zahlbr.) Hue  
Szatala 1943b; Rondon 1969 – I, L
- Aspicilia cinerea* (L.) Körb.  
Zahlbruckner 1906; Kleinig 1966; Rondon 1969  
– C, I, L
- Aspicilia contorta* (Hoffm.) Kremp. ssp. *contorta*  
Syn. *Aspicilia viridescens* (A. Massal.) Hue  
Zahlbruckner 1906; Szatala 1943b – C, R/I, I, L
- Aspicilia contorta* ssp. *hoffmanniana* S. Ekman &  
Fröberg  
Syn. *Aspicilia hoffmannii* auct.  
Rondon 1969 – I (2 km W Festos, 1993, leg.  
Nordin, UPS)
- Aspicilia coronata* (A. Massal.) Anzi  
Szatala 1943b – C, I
- Aspicilia cupreoglauca* de Lesd.  
Rondon 1969
- Aspicilia esculenta* (Pall.) Flagey  
Syn. *Aspicilia desertorum* (Kremp.) Mer.  
Szatala 1943b – C
- Aspicilia farinosa* (Flörke) Arnold  
Zahlbruckner 1906; Szatala 1943b; Rondon  
1969 – I, L
- Aspicilia grisea* Arnold  
Kleinig 1966 – C
- Aspicilia intermutans* (Nyl.) Arnold  
Zahlbruckner 1906; Rondon 1969 – I, L
- Bacidia bagliettoana* (A. Massal. & De Not.) Jatta  
Syn. *Bacidia muscorum* (Sw.) Mudd  
Kleinig 1966 – C, R (7 km SE Garazo, 1993, leg.  
Nordin, UPS)
- Bacidia delicata* (Larbal. ex Leight.) Coppins  
R (7 km S Anogia, 1993, leg. Nordin, UPS)
- Bacidia rosella* (Pers.) De Not.  
R (6 km N Apostoli, 1993, leg. Nordin, UPS;  
Adelaki, 12 km S Rethimno, 1993, leg. Nordin,  
UPS)
- Bacidia subincompta* (Nyl.) Arnold  
Syn. *Bacidia affinis* (Stizenb.) Vain.  
Szatala 1943b – C
- Bacidina assulata* (Körb.) S. Ekman  
Syn. *Bacidia intermedia* (Hepp) Vain.  
Szatala 1943b – C

- Bagliettoa limborioides*** A. Massal.  
Syn. *Bagliettoa sphinctrina* auct.  
Kleinig 1966 – L
- Bagliettoa parmigera*** (J. Steiner) Vezda & Poelt  
Syn. *Verrucaria calciseda* DC.; *Verrucaria par-migera* J. Steiner  
Zahlbruckner 1906; Steiner 1916 (var. *calcivora*  
A. Massal.); Rondon 1969 – I, L
- Buellia epigaea*** (Pers.) Tuck.  
Trinkaus & Mayrhofer 2000 – L
- Buellia stellulata*** (Taylor) Mudd  
Syn. *Buellia maritima* (A. Massal.) Bagl.;  
*Buellia subalbula* (Nyl.) Müll. Arg.  
Steiner 1916; Szatala 1943b – C, I, L
- Buellia subdisciformis*** (Leight.) Vain.  
Szatala 1943b; Rondon 1969 – L
- Buellia vilis*** Th. Fr.  
Kleinig 1966 – L
- Buellia zoharyi*** Galun (nom. cons. prop.)  
Trinkaus & Mayrhofer 2000 – C
- Caloplaca alnetorum*** Giralt, Nimis & Poelt  
R (Skinakas, 1997, leg. Suppan, GZU)
- Caloplaca alociza*** (A. Massal.) Mig.  
Syn. *Caloplaca agardhiana* (A. Massal.)  
Clauzade & Cl. Roux  
Zahlbruckner 1906 (f. *minuta*, f. *albomarginata*); Szatala 1943b (as *Blastenia*, several forms);  
Rondon 1969; Wunder 1974- C, I, L
- Caloplaca aractina*** (Fr.) Häyren  
*Caloplaca viridirufa* auct.  
Kleinig 1966 – L
- Caloplaca arenaria*** (Pers.) Müll. Arg.  
Syn. *Caloplaca lamprocheila* (DC.) Flagey,  
*Caloplaca craspedia* (Ach.) Szatala  
Steiner 1916; Szatala 1943a; Rondon 1969 – I
- Caloplaca aurantia*** (Pers.) Hellb.  
Syn. *Caloplaca callopisma* (Ach.) Th. Fr.  
Zahlbruckner 1906; Steiner 1916 (f. *orientalis*);  
Kleinig 1966; Rondon 1969 – C (1 km S Imbros,  
leg. Mayrhofer & Ertl, GZU), I, L
- Caloplaca biatorina*** (A. Massal.) J. Steiner  
Kleinig 1966 – I
- Caloplaca carphinea*** (Fr.) Jatta  
Papp et al. 1999 – C
- Caloplaca cerina*** (Ehrh. ex Hedw.) Th. Fr.  
Zahlbruckner 1906; Kleinig 1966; Rondon 1969  
– C, R (Skinakas, 1997, leg. Suppan, GZU; 7 km  
S Anogia, 1993, leg. Nordin, UPS), R/I
- Caloplaca chalybaea*** (Fr.) Müll. Arg.  
Zahlbruckner 1906; Rondon 1969; Wunder 1974  
– I, L
- Caloplaca chrysodeta*** (Vain. ex Räsänen) Dombr.  
C (Agia Irini, 1998, leg. Trinkaus & Grube,  
GZU)
- Caloplaca circumalbata*** (Delile) Wunder var.  
***candida*** (Stizenb.) Wunder  
Wunder 1974 – C, L
- Caloplaca citrina*** (Hoffm.) Th. Fr.  
Syn. *Caloplaca phlogina* (Ach.) Flag .  
Steiner 1916 – I
- Caloplaca crenularia*** (With.) J.R. Laundon  
Szatala 1943a, Kleinig 1966; Rondon 1969;  
Papp et al. 1999 – C, L
- Caloplaca cretensis*** (Zahlbr.) Wunder  
Syn. *Blastenia cretensis* Zahlbr.  
Zahlbruckner 1906; Wunder 1974 – I
- Caloplaca erythrocarpa*** (Pers.) Zwackh  
Syn. *Caloplaca lallavei* (Clemente) Flagey  
Zahlbruckner 1906 (as *C. arenaria* var. *lallavei*);  
Kleinig 1966; Rondon 1969 – C (Imbros, 1997,  
leg. Mayrhofer & Ertl, GZU; Agios Nektarios,  
1993, leg. Nordin, UPS), L
- Caloplaca ferruginea*** (Huds.) Th. Fr.  
Zahlbruckner 1906; Kleinig 1966 – L
- Caloplaca flavescens*** (Huds.) J.R. Laundon  
C (1 km S Imbros, leg. Mayrhofer & Ertl, GZU)
- Caloplaca flavorubescens*** (Huds.) J.R. Laundon  
Syn. *Caloplaca salicina* (Schrad.) Szatala;  
*Caloplaca aurantiaca* s. lat.  
Zahlbruckner 1906 (*Caloplaca aurantiaca* var.  
*diffracta*); Kleinig 1966; Rondon 1969 – R  
(Skinakas, 1997, leg. Suppan, GZU; 6 km NW  
Apostoli, 1993, leg. Nordin, UPS); L
- Caloplaca flavovirescens*** (Wulfen) Dalla Torre &  
Sarnth.  
Kleinig 1966 – I
- Caloplaca fuscoatropoides*** J. Steiner  
Kleinig 1966 – C, L (Karidi, 1976, leg.  
Mayrhofer, GZU)
- Caloplaca grimmiae*** (Nyl.) H. Olivier  
I (SE Agia Pelagia, 1997, leg. Grube, GZU)  
Host: *Candelariella vitellina*
- Caloplaca haematis*** (St.-Amans) Zwackh  
Kleinig 1966; Rondon 1969 – C, R/I, L
- Caloplaca herbidella*** (Hue) H. Magn.  
C (Omalos, 1998, leg. Trinkaus & Grube, GZU)
- Caloplaca inconnexa*** (Nyl.) Zahlbr.  
Rondon 1969
- Caloplaca lactea*** (A. Massal.) Zahlbr.  
Zahlbruckner 1906; Kleinig 1966; Rondon  
1969; Triebel 1989 – L, I
- Caloplaca lithophila*** H. Magn.  
Kleinig 1966; Rondon 1969 – C, R
- Caloplaca necator*** Poelt & Clauzade  
Rondon 1969

- Caloplaca ochracea*** (Schaer.) Flagey  
 Syn. *Xanthocarpia ochracea* (Schaer.) A. Massal.  
 Kleinig 1966; Hafellner & Poelt 1979 – L
- Caloplaca pyracea*** (Ach.) Th. Fr.  
 Syn. *Caloplaca luteoalba* auct. p.p.  
 Kleinig 1966; Zahlbruckner 1906 (+ f. *pyrithroma* (Ach.) Zahlbr.); Rondon 1969; Czeczuga et al. 1994 – C, I, L
- Caloplaca rechingeri*** Servít  
 Kleinig 1966 – I
- Caloplaca rhinodinoides*** J. Steiner  
 Kleinig 1966 – L
- Caloplaca rubelliana*** (Ach.) Lojka  
 Kleinig 1966 – L
- Caloplaca saxicola*** (Hoffm.) Nordin  
 Syn. *Caloplaca murorum* (Ach.) Th. Fr.  
 Zahlbruckner 1906; Kleinig 1966 – L
- Caloplaca scotoplaca*** (Nyl.) H. Magn.  
 Syn. *Caloplaca caesiorufa* auct.  
 Steiner 1916 – I
- Caloplaca tenuata*** (Nyl.) Zahlbr.  
 Rondon 1969
- Caloplaca variabilis*** (Pers.) Müll. Arg.  
 Syn. *Caloplaca paepalostoma* (Anzi) Jatta  
 Steiner 1916 (f. *acrustacea* Arnold); Rondon 1969 (+ f. *acrustacea*, + var. *ocellulata* (Ach.) Boist.); Wunder 1974 – C, R (6 km Se Nea Kria Vrisi, 1997, leg. Mayrhofer & Ertl, GZU; 14 km W Spili, 1993, leg. Nordin, UPS), I, L (Psichron, 1976, leg. Mayrhofer, GZU)
- Caloplaca velana*** (A. Massal.) Du Rietz var. *velana*  
 Syn. *Caloplaca placidia* (A. Massal.) J. Steiner,  
*Caloplaca dolomitica* (Hue) Zahlbr.  
 Rondon 1969 – C (Imbros gorge, 1997, leg. Grube, GZU), R (6 km NW Apostoli, 1993, leg. Nordin, UPS), I (1,5 km N Kounari, 1993, leg. Nordin, UPS; 2 km W Festos, 1993, leg. Nordin, UPS)
- Caloplaca velana*** var. *schaereri* (Arnold) Clauzade & Cl. Roux  
 Syn. *Caloplaca schaeereri* (Flörke) Zahlbr.  
 Rondon 1969
- Caloplaca vitellinula*** auct.  
 Kleinig 1966 – R
- Caloplaca xantholyta*** (Nyl.) Jatta  
 C (1 km S Imbros, 1997, leg. Mayrhofer & Ertl, GZU)
- Candelariella aurella*** (Hoffm.) Zahlbr.  
 Syn. *Caloplaca subsimilis* Th. Fr., *Candelariella subsimilis* (Th. Fr.) J. Steiner  
 Steiner 1916; Szatala 1943b; Kleinig 1966 – C, I, L
- Candelariella medians*** (Nyl.) A.L. Sm.  
 I (2km W Festos, 1993, leg. Nordin, UPS), L (5km S Vai, 1976, leg. Mayrhofer, GZU)
- Candelariella vitellina*** (Hoffm.) Müll. Arg.  
 Zahlbruckner 1906; Kleinig 1966; Rondon 1969; Czeczuga et al. 1994; Papp et al. 1999 – C, R (1km S Kouroutes, 1976, leg. Mayrhofer, GZU), I
- Candelariella xanthostigma*** (Ach.) Lettau  
 Szatala 1943b – C
- Catillaria chalybeia*** (Borr.) A. Massal. var. *chalybeia*  
 Zahlbruckner 1906; Szatala 1943b; Kilias 1981; Bellemère 1994 – C, I, L
- Catillaria chalybeia*** var. *choropoliza* (Nyl.) H. Kilias  
 Kilias 1981 – R
- Catillaria detractula*** (Nyl.) H. Olivier  
 Syn. *Lecania detractula* (Nyl.) Arnold  
 Szatala 1943b, Triebel 1989 – I, L
- Catillaria lenticularis*** (Ach.) Th. Fr.  
 Szatala 1943b; Rondon 1969 – C, I, L
- Catillaria mediterranea*** Hafellner  
 C (Omalos, 1998, leg. Trinkaus & Grube, GZU)  
 Host: *Anaptychia ciliaris*
- Catillaria nigroclavata*** (Nyl.) Schuler  
 R (3 km ESE Vrises, 1993, leg. Nordin, UPS; 6 km NW Apostoli, 1993, leg. Nordin, UPS)
- Cercidospora lobothalliae*** Nav.-Ros. & Calatayud ined.  
 C (Omalos, 500m SW Lakki, 1976, leg. Mayrhofer, GZU)  
 Host: *Lobothallia radiosa*
- Cladonia cariosa*** (Ach.) Spreng.  
 Szatala 1943b – C
- Cladonia cervicornis*** (Ach.) Flot. subsp. *verticillata* (Hoffm.) Ahrt  
 Papp et al. 1999 – C
- Cladonia convoluta*** (Lam.) Anders  
 Syn. *Cladonia foliacea* (Huds.) Willd. var. *convoluta* (Lam.) Vain.; *Cladonia endiviaefolia* (Dicks.) Fr.  
 Zahlbruckner 1906; Steiner 1916; Szatala 1943b; Räsänen 1944; Rondon 1969; Papp et al. 1999 – C, I
- Cladonia firma*** (Nyl.) Nyl.  
 Syn. *Cladonia nylanderii* Coutinho  
 Kleinig 1966 – L
- Cladonia foliacea*** (Huds.) Willd.  
 Kleinig 1966 – C, R (6 km NW Apostoli, 1993, leg. Nordin, UPS), I, L
- Cladonia furcata*** (Huds.) Schrad. ssp. *furcata*  
 Kleinig 1966 – L

- Cladonia furcata*** ssp. ***subrangiformis*** (Sandst.)  
Abbayes  
Kleinig 1966 – L
- Cladonia pocillum*** (Ach.) Grognot  
Steiner 1916; Szatala 1943b; Rondon 1969 – I, R  
(6 km NW Apostoli, 1993, leg. Nordin, UPS), L
- Cladonia pyxidata*** (L.) Hoffm.  
Szatala 1943b; Kleinig 1966; Rondon 1969;  
Papp *et al.* 1999 – L
- Cladonia rangiformis*** Hoffm.  
Szatala 1943b – L
- Clauzadea immersa*** (Weber) Hafellner & Bellem.  
Syn. *Protoblastenia immersa* (Weber) J. Steiner,  
*Biatora immersa* (Weber) Hepp  
Szatala 1943b; Kleinig 1966 – C, L
- Clauzadea metzleri*** (Körb.) Clauzade & Cl. Roux  
ex D. Hawksw.  
I (2km W Festos, 1993, leg. Nordin, UPS)
- Clauzadea monticola*** (Schaer.) Hafellner & Bellem.  
Syn. *Protoblastenia monticola* (Schaer.) J. Steiner, *Lecidea fuscocubens* (Nyl.) Nyl.  
Zahlbruckner 1906; Steiner 1916 – I, L (5km S Vai, leg. Mayrhofer, 1976, GZU).
- Collema callospismum*** A. Massal.  
Syn. *Leptogium callospismum* (A. Massal.) Harm.  
Szatala 1943b – C
- Collema crispum*** (Huds.) Weber ex F.H. Wigg.  
Syn. *Collema cheilum* Ach.; *Collema crispum* var. *metzleri* (Arnold) Degel.; *Collema subcheilum* Harm.  
Steiner 1916 (C. metzleri); Szatala 1943b;  
Degelius 1954 – C, I
- Collema cristatum*** (L.) Weber ex F.H. Wigg. var. *cristatum*  
Syn. *Collema granuliferum* Nyl.  
Szatala 1943b; Kleinig 1966; Papp *et al.* 1999 – C, I, L
- Collema cristatum*** var. ***marginale*** (Huds.) Degel.  
Syn. *Collema multifidum* (Scop.) Rabenh.  
Zahlbruckner 1906 (var. *marginale*); Szatala 1943b (var. *jacobaeifolium*) – L
- Collema flaccidum*** (Ach.) Ach.  
R (7 km S Anogia, 1993, leg. Nordin, UPS)
- Collema furfuraceum*** (Arnold) Du Rietz  
Sazatala 1943b – C, R (7 km S Anogia, 1993, leg. Nordin, UPS; Arkadi Monastery, on *Quercus macrolepis*, 1976, leg. H.J.M. Bowen, E)
- Collema multipunctatum*** Degel.  
R (2 km NW Akoumia, 1993, leg. Nordin, UPS; Adelaki, 12 km S Rethimno, 1993, leg. Nordin, UPS)
- Collema nigrescens*** (Huds.) DC.  
R (Arkadi Monastery, on *Quercus macrolepis*, 1976, leg. H.J.M. Bowen, E)
- Collema occultatum*** Bagl.  
R (6 km NW Apostoli, 1993, leg. Nordin, UPS)
- Collema polycarpon*** Hoffm.  
Syn. *Collema stygium* Schaeer.  
Szatala 1943b; Degelius 1954; Kleinig 1966- C, I, L
- Collema ryssoleum*** (Tuck.) A. Schneider  
Kleinig 1966 – C, R (1km S Kouroutes, 1976, leg. Mayrhofer, GZU), I
- Collema subnigrescens*** Degel.  
Kleinig 1966 – C; R (Adelaki, 12 km S Rethimno, 1993, leg. Nordin, UPS)
- Collema tenax*** (Sw.) Ach. em. Degel.  
Syn. *Collema pulposum* (Bernh.) Ach.  
Szatala 1943b – C, R (6 km NW Apostoli, 1993, leg. Nordin, UPS)
- Collema undulatum*** Laurer ex Flot.  
Kleinig 1966 – I
- Degelia plumbea*** (Lightf.) P.M. Jørg. & P. James  
Czeczuga *et al.* 1994 – C (1km E Vlatos, 1998, leg. Trinkaus & Grube, GZU), I
- Dermatocarpon luridum*** (With.) J.R. Laundon  
Syn. *Dermatocarpon fluviatile* (Weber) Th. Fr.  
Kleinig 1966 – C
- Dermatocarpon miniatum*** (L.) W. Mann  
Zahlbruckner 1906 – C, I
- Dimelaena oreina*** (Ach.) Norman  
Obermayer 1997 – R
- Diploicia canescens*** (Dicks.) A. Massal.  
Szatala 1943b – C
- Diploschistes actinostomus*** (Ach.) Zahlbr.  
Zahlbruckner 1906; Rondon 1969 (var. *farinosus* (Anzi) Zahlbr.) – I
- Diploschistes diacapsis*** (Ach.) Lumbsch  
Syn. *Diploschistes albescens* Lettau, *Diploschistes albissimus* (Ach.) Dalla Torre & Sarnth.  
Steiner 1916; Szatala 1943b; Kleinig 1966;  
Rondon 1969; Lumbsch 1989 – C, I, L
- Diploschistes gypsaceus*** (Ach.) Zahlbr.  
Zahlbruckner 1906 – L  
The old record of this species could also refer to *D. diacapsis*.
- Diploschistes muscorum*** (Scop.) R. Sant.  
Papp *et al.* 1999 – C, L
- Diploschistes ocellatus*** (Vill.) Norman  
Szatala 1943b; Rondon 1969; Lumbsch 1989 – C (1 km S Imbros, leg. Mayrhofer & Ertl, GZU, Agios Nektarios, 1993, leg. Nordin, UPS), I (Roggia, 1965, leg. Degelius, UPS), L

- Diploschistes scruposus** (Schreb.) Norman  
 Syn. *Diploschistes violarius* (Nyl.) Lettau  
 Zahlbruckner 1906; Kleinig 1966 – R (1km S Kouroutes, 1976, leg. Mayrhofer, GZU), I, L
- Diplotomma alboatrum** (Hoffm.) Flot.  
 Syn. *Buellia alboatra* (Hoffm.) Th. Fr.; *Buellia subochracea* (Zahlbr.) Steiner, *Diplotomma subochraceum* (Zahlbr.) Szatala  
 Zahlbruckner 1906 (as *B. alboatra* var. *subochracea*); Szatala 1943b – C, I, L
- Diplotomma chlorophaeum** (Hepp ex Leight.) Szatala  
 Syn. *Buellia chlorophaea* (Müll. Arg.) Lettau  
 Rondon 1969
- Diplotomma epipolium** (Ach.) Arnold  
 Syn. *Buellia epipolia* (Ach.) Mong.  
 Zahlbruckner 1906; Szatala 1943b; Rondon 1969 – C, R (Somidos, 1997, leg. Grube, GZU), L
- Diplotomma nivale** (Bagl. & Carestia) Hafellner  
 Syn. *Diplotomma margaritaceum* (Sommerf.) Szatala, *Buellia nivalis* (Bagl. & Car.) Hertel ex Haf.  
 Szatala 1943b – I, L
- Diplotomma pharcidium** (Ach.) M. Choisy  
 Syn. *Buellia pharcidia* (Ach.) Malme  
 R (7 km S Anogia, 1993, leg. A. Nordin, UPS)
- Diplotomma populorum** A. Massal.  
 Syn. *Buellia alboatra* var. *populorum* (A. Massal.) H. Olivier  
 Rondon 1969
- Diplotomma venustum** Körb.  
 Syn. *Buellia venusta* (Körb.) Lettau  
 Nordin 2000 (map of K- chemotype).
- Dirina cretacea** (Zahlbr.) Tehler  
 Syn. *Chiodecton cretaceum* Zahlbr.  
 Zahlbruckner 1906; Szatala 1943b; Rondon 1969; Tehler 1983; Roux 1991 (map) – R (Damioni, 13 km SW Spili, 1993, leg. Nordin, UPS), I, L
- Dirina massiliensis** Durieu et Mont. f. **massiliensis**  
 Syn. *Dirina repanda* Fr.  
 Szatala 1943b; Kleinig 1966; Rondon 1969;  
 Tehler 1983; Roux 1991 (map). – C, R (6 km W Spili, 1993, Nordin, UPS), I, L
- Dirina massiliensis** f. **sorediata** (Müll. Arg.) Tehler  
 Tehler 1983 – C (Agios Nektarios, 1993, leg. Nordin, UPS)
- Endocarpon pusillum** Hedw.  
 R (7 km S Anogia, 1993, leg. Nordin, UPS)
- Evernia prunastri** (L.) Ach.  
 Zahlbruckner 1906; Szatala 1943b; Kleinig 1966 – C, R, R/I
- Farnoldia jurana** (Schaer.) Hertel  
 Syn. *Lecidea jurana* Schaer.  
 Kleinig 1966 – I
- Fulglesia bracteata** (Hoffm.) Räsänen  
 Zahlbruckner 1906 – L
- Fulglesia fulgens** (Sw.) Elenkin  
 Zahlbruckner 1906 – I
- Fulglesia fulgida** (Nyl.) Szatala  
 Syn. *Caloplaca fulgida* (Nyl.) J. Steiner  
 Kleinig 1966; Westberg & Kärnefelt 1998 – C, L
- Fulglesia schistidii** (Anzi) Poelt  
 Syn. *Caloplaca schistidii* (Anzi) Zahlbr.  
 Kleinig 1966 – C, R
- Fulglesia subbracteata** (Nyl.) Poelt  
 Rondon 1969; Poelt 1965; Papp *et al.* 1999 – C, I, L
- Fuscopannaria ignobilis** (Anzi) P.M. Jørg.  
 Syn. *Pannaria ignobilis* Anzi  
 Vezda 1995 – I
- Fuscopannaria leucophaea** (Vahl) P.M. Jørg.  
 Syn. *Pannaria leucophaea* (Vahl) P.M. Jørg.  
 C (Omalos, 1998, leg. Trinkaus & Grube, GZU)
- Fuscopannaria leucosticta** (Tuck.) P.M. Jørg.  
 Syn. *Pannaria leucosticta* (Tuck.) Nyl.  
 Zahlbruckner 1906; Szatala 1943b – C, R
- Fuscopannaria mediterranea** (Tav.) P.M. Jørg.  
 Syn. *Pannaria mediterranea* Tav.  
 Jørgensen 1978 (map)
- Fuscopannaria olivacea** (P.M. Jørg.) P.M. Jørg.  
 Syn. *Pannaria olivacea* P.M. Jørg.  
 Jørgensen 1978 (map); Vezda 1985 – C, R (7 km S Anogia, 1993, leg. Nordin, UPS; Adelaki, 12 km S Rethimno, 1993, leg. Nordin, UPS)
- Gonohymenia nummularia** (Nyl.) Henssen  
 C (Agios Nektarios, 1993, leg. Nordin, UPS)
- Gyalecta derivata** (Nyl.) H. Olivier  
 R (Arkadi Monastery, on *Quercus macrolepis*, 1976, leg. H.J.M. Bowen, E)
- Gyalecta truncigena** (Ach.) Hepp  
 C (1 km E Vlatos, 1998, leg. Trinkaus & Grube, GZU), R (Adelaki, 12 km S Rethimno, 1993, leg. Nordin, UPS)
- Haematomma nemetzii** J. Steiner  
 C – (*Temenia*, leg. Mayrhofer, 1999, GZU)
- Heppia lobatoplicata** (de Lesd.) Timdal ined.  
 C (Imbros, leg. Timdal, 1988, O), R (Preveli, leg. Timdal, 1988, O), L (Lasíthi, leg. Timdal, 1995, O)
- Hymenelia epulotica** (Ach.) Lutzoni  
 Syn. *Ionaspis epulotica* (Ach.) Arnold  
 Szatala 1943b; Kleinig 1966 – I, L

- Immersaria cupreоatra* (Nyl.) Calatayud & Rambold**  
 Syn. *Aspicilia cupreоatra* (Nyl.) Arnold; *Aspicilia olivacea* Bagl. & Carestia; *Bellemerea cupreоatra* (Nyl.) Clauzade & Cl. Roux  
 Zahlbruckner 1906 – R/I, I, L
- Lecania erysibe* (Ach.) Mudd**  
 Steiner 1916; Szatala 1943b; Kleinig 1966 – I, L
- Lecania rabenhorstii* (Hepp) Arnold**  
 I (2 km W Festos, 1993, leg. Nordin, UPS)
- Lecania spadicea* (Flotow) Zahlbr.**  
 Szatala 1943b; Rondon 1969; M. Mayrhofer 1988; Roux 1991 (map) – C, I, L
- Lecania subcaesia* (Nyl.) de Lesd.**  
 Szatala 1943b – C, I, L
- Lecania turicensis* (Hepp) Müll. Arg.**  
 Syn. *Lecania albariella* (Nyl.) Müll. Arg.  
 Szatala 1943b; M. Mayrhofer, 1988 – C, L
- Lecanographa grumulosa* (Dufour) Egea & Torrente**  
 Syn. *Opegrapha grumulosa* Dufour; *Lecanactis dörfleri* Zahlbr.; *Lecanactis grumulosa* (Dufour) Fr. Zahlbruckner 1906; Lettau 1937; Szatala 1943b; Torrente & Egea 1989 – I, L
- Lecanora agardhiana* Ach.**  
 Szatala 1943a (var. *pachnodes*); Szatala 1943b; Kleinig 1966 – I, L
- Lecanora albescens* (Hoffm.) Branth. & Rostr.**  
 Szatala 1943b – I, L
- Lecanora allophana* Nyl.**  
 Syn. *Lecanora subfuscata* (L.) Ach., p.p.  
 Kleinig 1966; Rondon 1969 – I
- Lecanora argentata* (Ach.) Malme**  
 Syn. *Lecanora subfuscata* H. Magn.  
 Szatala 1943b; Kleinig 1966; Czeczuga et al. 1994 – C, R (Adelaki, 12 km S Rethimno, 1993, leg. Nordin, UPS), I
- Lecanora bolcana* (Pollini) Poelt**  
 Rondon 1969 – R (1km S, Kouroutes, 1976, leg. H. Mayrhofer, GZU)
- Lecanora campestris* (Schaer.) Hue**  
 Kleinig 1966 – C (0,5 km SW Lakki, 1976, leg. Mayrhofer, GZU), R (1km S Kouroutes, 1976, leg. Mayrhofer, GZU), L
- Lecanora carpinea* (L.) Vain.**  
 Szatala 1943b – C
- Lecanora cenisia* Ach.**  
 Szatala 1943b – I
- Lecanora chlarotera* Nyl.**  
 Kleinig 1966; Rondon 1969 (+ f. *rugosella* (Zahlbr.) Poelt); Czeczuga et al. 1994 – C, R (Adelaki, 12 km S Rethimno, 1993, leg. Nordin, UPS), I
- Lecanora dispersa* (Pers.) Sommerf.**  
 Zahlbruckner 1906 (as *L. crenulata* f. *dispersa*); Steiner 1916; Szatala 1943b; Rondon 1969; Grube & Hafellner 1990 – R/I, C, I
- Lecanora gangaleoides* Nyl.**  
 Szatala 1943b; Rondon 1969 – I, L (1km W Karidi, 1976, leg. Mayrhofer, GZU)
- Lecanora garovaglii* (Körb.) Zahlbr.**  
 Kleinig 1966 – I
- Lecanora graeca* J. Steiner**  
 Kleinig 1966 – I
- Lecanora hagenii* (Ach.) Ach.**  
 Steiner 1916 (var. *saxigena* J. Steiner); Szatala 1943b; Kleinig 1966; Rondon 1969 – C, I
- Lecanora horiza* (Ach.) Linds.**  
 Syn. *Lecanora sienae* de Lesd.  
 Rondon 1969 – C (1km S Omalos, 1976, leg. Mayrhofer, GZU)
- Lecanora intumescens* (Rebent.) Rabenh.**  
 Szatala 1943b (var. *glaucorufa* (Mart.) Körb.) – C
- Lecanora muralis* (Schreb.) Rabenh.**  
 Syn. *Squamaria muralis* (Schreb.) Elenkin; *Squamaria albomarginata* (Nyl.) Räsänen; *Lecanora albomarginata* Cromb.; incl. *Squamaria diffracta* (Ach.) Duby; *Squamaria versicolor* (Pers.) H. Olivier  
 Zahlbruckner 1906; Szatala 1943b; Kleinig 1966; Papp et al. 1999 – R, R/I, I, L
- Lecanora olivascens* Nyl.**  
 Kleinig 1966 – C
- Lecanora polytropa* (Ehrh. ex Hoffm.) Rabenh.**  
 Szatala 1943b – R/I
- Lecanora pruinosa* Chaub.**  
 Syn. *Lecanora (Placodium) sulphurella* (Körb.) H. Olivier; *Squamaria sulphurella* (Körb.) H. Olivier  
 Zahlbruckner 1906; Szatala 1943b; Rondon 1969 – C, R (14 km W Spili, 1993, leg. Nordin, UPS), I, L
- Lecanora pulicaris* (Pers.) Ach.**  
 Syn. *Lecanora chlarona* (Ach.) Nyl.; *Lecanora pinastri* (Schaer.) Choisy  
 Szatala 1943b; Kleinig 1966
- Lecanora reuteri* Schaer.**  
 Kleinig 1966 – I
- Lecanora rugosella* Zahlbr.**  
 Szatala 1943b – L
- Lecanora rupicola* (L.) Zahlbr. ssp. *rupicola***  
 Syn. *Lecanora glaucomata* (Hoffm.) Ach.  
 Zahlbruckner 1916; Szatala 1943b; Rondon 1969 – I

- Lecanora rupicola** ssp. *sulphurata* (Ach.) Leuckert & Poelt  
 Syn. *Lecanora sulphurata* (Ach.) Nyl.  
 Zahlbruckner 1906; Szatala 1943b; Rondon 1969; Leuckert & Poelt 1989 – R/I, I, L
- Lecanora schistina** (Nyl.) Arnold  
 Syn. *Lecanora praepostera* auct.  
 Szatala 1943b; Rondon 1969 – L
- Lecanora subrugosa** Nyl.  
 Szatala 1943b – C
- Lecanora sulphurea** (Hoffm.) Ach.  
 Zahlbruckner 1906; Szatala 1943b – I, L
- Lecanora umbrina** (Ach.) A. Massal.  
 Szatala 1943b – L
- Lecanora varia** (Hoffm.) Ach.  
 Kleinig 1966 – C
- Lecanora xanthostoma** Wedd. ex Cl. Roux (nomen illegit.)  
 C (1 km S Imbros, leg. Mayrhofer & Ertl, GZU)
- Lecidea atrobrunnea** (Ramaud ex Lam. & DC.) Schaer.  
 Zahlbruckner 1906; Kleinig 1966 – I
- Lecidea fuscoatra** (L.) Ach.  
 Syn. *Lecidea grisella* Flörke  
 Rondon 1969- C (Street to Omalos, 500m SW Lakki, leg. Mayrhofer, 1976, GZU), I, L  
 This might also include the following references: Zahlbruckner 1906 (f. *mosigii* (Ach.) Nyl.); Szatala 1943b (f. *mosigii* (Ach.) Nyl., f. *subcontigua* Vain., f. *cechumenoides* Vain.)
- Lecidea lapicida** (Ach.) Ach. var. *pantherina* Ach.  
 Syn. *Lecidea subgrisella* Nyl.  
 Kleinig 1966 – I
- Lecidea promiscens** Nyl.  
 Hertel 1971, 1995 – R  
 The species occurs on carbonate-free, siliceous rocks in alpine situations. The delimitation from *Lecidea auriculata* is sometimes problematic (Hertel 1995).
- Lecidea sarcogynoides** Körb.  
 Szatala 1943b – C
- Lecidea xylophila** Th. Fr.  
 Kleinig 1966 – C
- Lecidella anomaloidea** (A. Massal.) Hertel & H. Kilias  
 Syn. *Lecidea goniophila* auct.  
 Szatala 1943b – C, I
- Lecidella asema** (Nyl.) Knoph & Hertel  
 Syn. *Lecidea subincongrua* Nyl.  
 Rondon 1969
- Lecidella atrosanguinea** (Flörke) ined.  
 Zahlbruckner 1906 (as *L. enteroleuca* var. *atrosanguinea*) – L  
 See Santesson 1993 for the uncertain placement of this taxon.
- Lecidella carpathica** Körb.  
 Syn. *Lecidea latypea* Ach.,  
 Zahlbruckner 1906; Szatala 1943b; Rondon 1969; Leuckert et al. 1990 – R (7 km S Anogia, 1993, leg. Nordin, UPS), R/I, I
- Lecidella elaeochroma** (Ach.) M. Choisy  
 Syn. *Lecidea parasema* auct., *Lecidea olivacea* (Hoffm) A. Massal., ?*Lecidea epipoliooides* var. *cacuminum* (J. Steiner) Szatala  
 Zahlbruckner 1906; Szatala 1943b; Kleinig 1966; Rondon 1969 – C, R/I, I, L
- Lecidella euphorea** (Flörke) Hertel  
 Syn. *Lecidea euphorea* (Flörke) Nyl.  
 Szatala 1943b – C
- Lecidella patavina** (A. Massal.) Knoph & Leuckert  
 Syn. *Lecidea endolitha* Lyngé  
 Hertel 1967 – I
- Lecidella scabra** (Taylor) Hertel & Leuckert  
 Syn. *Lecidea protrusa* Fr.  
 Szatala 1943b – L
- Lecidella stigmata** (Ach.) Hertel & Leuckert  
 Syn. *Lecidea stigmata* Ach.  
 Szatala 1943b; Kleinig 1966; Hertel 1970b – C, I
- Lempholemma polyanthes** (Bernh.) Malme  
 R (14 km W Spili, 1993, leg. Nordin, UPS)
- Lepraria nivalis** J.R. Laundon  
 I (1,5 km N Kounari, 1993, leg. Nordin, UPS)
- Leprocaulon microscopicum** (Vill.) Gams  
 C (3 km N Omalos, 1993, leg. Nordin, UPS)
- Leptogium biatorinum** (Nyl.) Leight.  
 Syn. *Leptogium pusillum* Nyl.  
 Steiner 1916 – I
- Leptogium ferax** (Durieu & Mont.) Rabenh.  
 Arvidsson 1984 – I
- Leptogium gelatinosum** (With.) J.R. Laundon  
 Syn. *Leptogium sinuatum* (Huds) A. Massal.  
 Kleinig 1966 – C
- Leptogium lichenoides** (L.) Zahlbr.  
 Szatala 1943b; Rondon 1969 (as var. *pulvinatum* (Hoffm.) Zahlbr.) – L, R (7 km S Anogia, 1993, leg. Nordin, UPS, 3 km ESE Vrises, 1993, leg. Nordin, UPS)
- Leptogium saturninum** (Dicks.) Nyl.  
 R (7 km S Anogia, 1993, leg. Nordin, UPS)
- Leptogium schraderi** (Bernh.) Nyl.  
 C (3 km N Omalos, 1993, leg. Nordin, UPS), I  
 (2 km W Festos, 1993, leg. Nordin, UPS)

- Leptogium subtile*** (Schrad.) Tors.  
R (Adelaki, 12 km S Rethimno, 1993, leg. Nordin, UPS)
- Lethariella intricata*** (Moris) Krog  
C (Gingilos, 1998, leg. J.W. Bjerke, hb. Bjerke)
- Lichenochora constrictella*** (Müll. Arg.) Hafellner  
L (Mavros Kolimbos, 1997, leg. Grube, GZU)  
Host: *Fulgensia cf. subbracteata*.
- Lichenostigma elongata*** Nav.-Ros. & Hafellner  
Navarro-Rosinés & Hafellner 1996 – C  
Host: *Lobothallia radiosa*
- Lindauopsis caloplacae*** Zahlbr.  
Vouaux 1914  
Host: *Caloplaca aurantia*
- Lithographa tesserata*** (DC.) Nyl.  
Kleinig 1966 – L
- Lobothallia radiosa*** (Hoffm.) Hafellner  
Syn. *Lecanora radiosa* (Hoffm.) Schaer., *Lecanora radiosa* var. *subcircinata* (Nyl.) Zahlbr., *Lecanora subcircinata* Nyl., *Squamaria subcircinata* (Nyl.) Kiffer Zahlbruckner 1906; Szatala 1943b (as *Squamaria radiosa* (Hoffm.) Poetsch); Kleinig 1966; Rondon 1969; Navarro-Rosinés & Hafellner 1996; Papp et al. 1999 – C (1 km S Imbros, leg. Mayrhofer & Ertl, GZU), R/I, I, L
- Megaspore verrucosa*** (Ach.) Hafellner & V. Wirth  
Syn. *Aspicilia mutabilis* (Ach.) Körb.; *Aspicilia verrucosa* (Ach.) Körb.  
Szatala 1943b; Kleinig 1966 – C (Omalos, 1998, leg. Trinkaus & Grube, GZU; Xiloskalo, 1993, leg. Nordin, UPS), R (7 km S Anogia, 1993, leg. Nordin, UPS), I, L  
The species is common on bark, however, the variety *mutabilis* is not distinguished as its value is unclear.
- Melanelia exasperata*** (De Not.) Essl.  
Syn. *Parmelia aspidota* (Ach.) Poetsch  
Szatala 1943b – C, R (7 km S Anogia, 1993, leg. Nordin, UPS), R/I
- Melanelia glabra*** (Schaer.) Essl.  
Syn. *Parmelia glabra* Schaer.  
Zahlbruckner 1906; Szatala 1943b – C, R (Skinakas, 1997, leg. Suppan, GZU; 7 km S Anogia, 1993, leg. Nordin, UPS), R/I
- Melanelia laciniatula*** (Flagey ex H. Olivier) Essl.  
Syn. *Parmelia laciniatula* (Flagey ex Zahlbr.) Zahlbr.  
Kleinig 1966 – C, R
- Micarea misella*** (Nyl.) Hedl.  
R (7 km S Anogia, 1993, leg. Nordin, UPS)
- Muellerella lichenicola*** (Sommerf.: Fr.) D. Hawksw.  
Triebel 1989 – I  
Hosts: *Catillaria detractula*, *Caloplaca lactea*
- Muellerella pygmaea*** (Körb.) D. Hawksw. var. *pygmaea*  
Triebel 1989 – I  
Host: *Acarospora* sp.
- Mycobilimbia hypnorum*** (Lib.) Kalb & Hafellner  
Syn. *Lecidea fusca* (Schaer.) Th. Fr.  
Szatala 1943b – L
- Mycobilimbia lurida*** (Ach.) Hafellner & Türk  
Syn. *Lecidea lurida* Ach.  
Szatala 1943b; Kleinig 1966; Papp et al. 1999 – C, I, L
- Myxobilimbia lobulata*** (Sommerf.) Hafellner  
Syn. *Toninia syncomista* (Flörke) Th. Fr.  
Szatala 1943b – R/I
- Naetrocymbe fraxini*** (A. Massal.) R.C. Harris  
Syn. *Arthopyrenia fraxini* A. Massal.  
R (Adelaki, 12 km S Rethimno, 1993, leg. Nordin, UPS)
- Naetrocymbe punctiformis*** (Pers.) R.C. Harris  
Syn. *Arthopyrenia punctiformis* (Pers.) A. Massal.  
Rondon 1969
- Neofuscelia attica*** (Leuckert, Poelt & B. Schwartz) Essl.  
Leuckert et al. 1975 – C (Street to Omalos, 500 m SW Lakki, 1976, leg. Mayrhofer, GZU), I
- Neofuscelia delisei*** (Duby) Essl.  
Syn. *Parmelia delisei* (Duby) Nyl.  
Szatala 1943b – R/I, I, L
- Neofuscelia glabrans*** (Nyl.) Essl.  
Syn. *Parmelia pulla* Ach. ssp. *glabrans* (Nyl.) Clauzade & Cl. Roux, *Parmelia glabrans* Nyl.  
Rondon 1969
- Neofuscelia loxodes*** (Nyl.) Essl.  
Syn. *Parmelia isidiotyla* Nyl.  
Szatala 1943b, Leuckert et al. 1975 – L
- Neofuscelia pokornyi*** (Körb.) Essl.  
Syn. *Parmelia pokornyi* (Körb.) Szatala Kleinig 1966 – C
- Neofuscelia pulla*** (Ach.) Essl.  
Syn. *Parmelia prolixa* (Ach.) Carroll  
Zahlbruckner 1906; Szatala 1943b; Kleinig 1966; Esslinger 1977 (map); Papp et al. 1999 – R (1 km S Kouroutes, 1976, leg. Mayrhofer, GZU), I, L
- Nephroma laevigatum*** Ach.  
Kleinig 1966 – C

- Normandina pulchella** (Borrer) Nyl.  
C (1km E Vlatos, 1998, leg. Trinkaus & Grube, GZU)
- Ochrolechia balcanica** Verseghy  
C (Omalos, 1976, leg. Mayrhofer, GZU)
- Ochrolechia pallescens** (L.) A. Massal.  
Szatala 1943b; Kleinig 1966 – R
- Ochrolechia parella** (L.) A. Massal.  
Zahlbruckner 1906; Szatala 1943b; Kleinig 1966; Rondon 1969; Verseghy 1962 (var. *kretensis* Verseghy) – I, L
- Ochrolechia tartarea** (L.) A. Massal.  
Zahlbruckner 1906 – R, L
- Ochrolechia turneri** (Sm. & Sowerby) Hasselrot  
R (7 km S Anogia, 1993, leg. Nordin, UPS)
- Opegrapha calcarea** Sm.  
Syn. *Opegrapha chevallieri* Leight.  
Zahlbruckner 1906; Szatala 1943b; Rondon 1969 – I, L
- Opegrapha durieui** Mont.  
Syn. *Enterographa durieui* (Mont.) Redgr.  
Szatala 1943b; Roux 1991 (map) – L
- Opegrapha rupestris** Pers.  
Syn. *Opegrapha saxatilis* DC.; *Opegrapha saxicola* Ach.  
Kleinig 1966 – I (1,5 km N Kounari, 1993, leg. Nordin, UPS), L
- Opegrapha varia** Pers.  
R (3km ESE Vrides, 1993, leg. Nordin, UPS)
- Opegrapha variaeformis** Anzi  
Kleinig 1966 – L
- Parmelia sulcata** Taylor  
Kleinig 1966 – C
- Parmelina carporrhizans** (Taylor) Poelt & Vezda  
R (Adelaki, 12 km S Rethimno, 1993, leg. Nordin, UPS)
- Parmelina pastillifera** (Harm.) Hale  
C (Omalos, 1993, leg. Nordin, UPS), R (Skinakas, 1997, leg. Suppan, GZU; 7 km S Anogia, 1993, leg. Nordin, UPS)
- Parmelina tiliacea** (Hoffm.) Hale  
Syn. *Parmelia scorteae* (Ach.) Ach.  
Zahlbruckner 1906; Szatala 1943b; Kleinig 1966; Rondon 1969; Czeczuga *et al.* 1994 – R (Adelaki, 12 km S Rethimno, 1993, leg. Nordin, UPS), I, S
- Peltigera canina** (L.) Willd.  
Kleinig 1966; Vitikainen 1994 (map). – C, R/I
- Peltigera collina** (Ach.) Schrad.  
Syn. *Peltigera scutata* (Dicks.) Duby  
Kleinig 1966 – R/I
- Peltigera polydactyla** (Neck.) Hoffm. s. lat.  
Kleinig 1966 – C, I
- Peltigera praetextata** (Flörke ex Sommerf.) Zopf  
Vitikainen 1994 (map)
- Peltigera rufescens** (Weiss) Humb.  
R (7 km S Anogia, 1993, leg. Nordin, UPS)
- Pertusaria albescens** (Huds.) M. Choisy & Werner  
Syn. *Pertusaria discoidea* (Pers.) Malme, *P. globulifera* (Turner) A. Massal.  
Szatala 1943b; Kleinig 1966 – C, I, L
- Pertusaria chiodectonoides** Bagl. ex A. Massal.  
Syn. *Pertusaria inquinata* (Ach.) Th. Fr.  
Szatala 1943b – L
- Pertusaria dalmatica** Erichsen  
Szatala 1943b; Schmitz *et al.* 1994 – C
- Pertusaria flavicans** Lamy  
Szatala 1943b; Rondon 1969; Hanko 1983 – L
- Pertusaria hemisphaerica** (Flörke) Erichsen  
Szatala 1943b – C, I
- Pertusaria hymenea** (Ach.) Schaer.  
Syn. *Pertusaria lecanoroides* Erichsen, *Pertusaria wulfenii* DC.  
Szatala 1943b; Kleinig 1966 – C, R (Adelaki, 12 km S Rethimno, 1993, leg. Nordin, UPS), R/I, I
- Pertusaria leucostoma** A. Massal.  
Syn. *Pertusaria leioplaca* DC.  
Szatala 1943b – L
- Pertusaria pentelisi** J. Steiner  
Syn. *Melanaria pentelisi* (J. Steiner) Erichsen (“*pentelici*”)  
Szatala 1943b; Rondon 1969 – I
- Pertusaria pertusa** auct.  
Szatala 1943b; Kleinig 1966; Hanko 1983 – C, R/I, I, L
- Pertusaria pluripuncta** Nyl.  
Syn. *Pertusaria gallica* De Lesd.  
L (1 km W Karidi, 1976, leg. Mayrhofer, GZU)
- Pertusaria rupicola** (Fr.) Harm.  
Szatala 1943b; Rondon 1969; Leuckert *et al.* 1969; Hanko 1983 – I
- Petractis clausa** (Hoffm.) Kremp.  
Zahlbruckner 1906; Steiner 1916 (var. *eradiata* J. Steiner); Věžda 1965 – I, L
- Phaeophyscia hirsuta** (Mereschk.) Essl.  
R (Adelaki, 12 km S Rethimno, 1993, leg. Nordin, UPS)
- Phaeophyscia orbicularis** (Neck.) Moberg  
C (Agios Nektarios, 1993, leg. Nordin, UPS), R (7 km S Anogia, 1993, leg. Nordin, UPS)
- Physcia adscendens** (Fr.) H. Olivier  
Kleinig 1966; Rondon 1969 – C, I, L

- Physcia aipolia*** (Ehrh. ex Humb.) Hampe  
Kleinig 1966 – R (Skinakas, 1997, leg. Suppan, GZU), L
- Physcia albinea*** (Ach.) Nyl.  
Szatala 1943b – L
- Physcia biziana*** (A. Massal.) Zahlbr.  
Szatala 1943b; Kleinig 1966; Rondon 1969 – C, R (6 km Se Nea Kria Vrisi, 1997, leg. Mayrhofer & Ertl, GZU; 2 km NW Akoumia, 1993, leg. Nordin, UPS), L (W of Exo Lakonia, leg. Degel., UPS)
- Physcia caesia*** var. *caesiella* (de Lesd.) Clauzade & Cl. Roux  
R (1km S Kouroutes, 1976, leg. Mayrhofer, GZU)
- Physcia leptalea*** (Ach.) DC.  
Syn. *Physcia semipinnata* (J.F. Gmelin) Moberg Zahlbruckner 1906 (*stellaris* var. *leptalea* Nyl.); Szatala 1943b; Kleinig 1966; Rondon 1969; Vezda 1995; Moberg 1994 – C, R (Skinakas, 1997, leg. Suppan, GZU; 6 km NW Apostoli, 1993, leg. Nordin, UPS)
- Physcia scopulorum*** (Lambinon & Vězda) Poelt & Nimis  
L (1,5 km S Kalavros, 1999, leg. Grube, GZU; filed under *Arthonia epiphyscia*)
- Physcia stellaris*** (L.) Nyl.  
Szatala 1943b (var. *rosulata* (Ach.) Hue); Kleinig 1966 – C, R/I
- Physcia wainioi*** Räsänen  
Papp et al. 1999 – C
- Physconia detersa*** (Nyl.) Poelt  
Kleinig 1966 – C
- Physconia distorta*** (With.) J.R. Laundon  
C (Gingilos, 1998, leg. J.W. Bjerke, hb. Bjerke; Imbros gorge, 1998, leg. J.W. Bjerke, hb. Bjerke)
- Physconia grisea*** (Lam.) Poelt  
Kleinig 1966 – C
- Physconia pulverulenta*** (Anzi) Jatta  
Syn. *Physcia pulverulenta* (Schreb.) Nyl. f. *argyphaea* and var. *subvenusta* Zahlbruckner 1906 – R/I, L
- Physconia servitii*** (Nádv.) Poelt  
R (Adelaki, 12 km S Rethimno, 1993, leg. Nordin, UPS)
- Physconia subpulverulenta*** (Szatala) Poelt  
Poelt 1966 – C
- Physconia venusta*** (Ach.) Poelt  
Syn. *Physcia venusta* (Ach.) Nyl.  
Szatala 1943b (+ var. *subvenusta* (Nyl.) Oliv.); Kleinig 1966 – C, R/I, R (7 km S Anogia, 1993, leg. Nordin, UPS)
- Placolecis opaca*** (Fr.) Hafellner  
Syn. *Astroplaca opaca* (Fr.) Bagl.  
Szatala 1943b – C
- Placidium lachneum*** (Ach.) Breuss  
Syn. *Catapyrenium lachneum* (Ach.) R. Sant., *Dermatocarpon lachneum* (Ach.) A.L. Sm.  
Kleinig 1966 – C, I, L
- Placidium lacinulatum*** (Ach.) Breuss  
Syn. *Catapyrenium lacinulatum* (Ach.) Breuss  
R (7 km SE Garazo, 1993, leg. Nordin, UPS)
- Placidium pilosellum*** (Breuss) Breuss  
Syn. *Catapyrenium pilosellum* Breuss  
Breuss 1990 – L
- Placidium squamulosum*** (Ach.) Breuss  
Syn. *Dermatocarpon hepaticum* (Ach.) Th. Fr., *Catapyrenium squamulosum* (Ach.) Breuss  
Szatala 1943b; Kleinig 1966; Breuss 1990 – C, I, L
- Placynthium nigrum*** (Huds.) Gray  
Kleinig 1966 – C, I
- Platismatia glauca*** (L.) W.L. Culb. & C.F. Culb.  
C (Gingilos, 1998, leg. J.W. Bjerke, herb. Bjerke)
- Pleopsidium flavum*** (Bellardi) Körb.  
Syn. *Acarospora oxytona* (Ach.) A. Massal.  
Kleinig 1966 – C, R/I
- Pleurosticta acetabulum*** (Neck.) Elix & Lumbsch  
Syn. *Parmelia acetabulum* (Neck.) Duby Zahlbruckner 1906; Szatala 1943b; Kleinig 1966 – C, R (Skinakas, 1997, leg. Suppan, GZU), R/I, R (7 km S Anogia, 1993, leg. Nordin, UPS), L
- Polyblastia terrestris*** Th. Fr.  
C (Agios Nektarios, 1993, leg. A. Nordin, UPS)
- Polycoccum marmoratum*** (Kremp.) D. Hawksw.  
Syn. *Microthelia marmorata* (Kremp.) Körb.  
Szatala 1943b; Kleinig 1966 – C, R/I
- Polycoccum*** sp.  
R (Agios Pavlos, leg. Grube, GZU)  
Host: *Melanelia* sp.
- Polycoccum*** sp.  
This species is distinct from any described species on *Physciaceae*, including the species mentioned by Matzer et al. (1997), which is probably identical to *Didymosphaeria echinospora* Faurel.  
Host: *Rinodina obnascens*
- Polysporina simplex*** (Davies) Vězda  
Syn. *Sarcogyne simplex* (Davies) Nyl.  
Zahlbruckner 1906; Szatala 1943b; Rondon 1969 – C, L
- Porina linearis*** (Leight.) Zahlbr.  
Kleinig 1966; Rondon 1969 – I

- Porpidia albocaerulescens*** (Wulfen) Hertel & Knoph  
Syn. *Lecidea albocaerulescens* (Wulfen) Ach.  
Zahlbrückner 1906 (+f. *alpina* Schaer.); Rondon 1969 – L
- Porpidia crustulata*** (Ach.) Hertel & Knoph  
Hertel 1992, Papp et al. 1999 – C, I
- Porpidia macrocarpa*** (DC.) Hertel & A.J. Schwab  
Syn. *Lecidea macrocarpa* (DC.) Steud., *Lecidea contigua* auct.  
Zahlbrückner 1906 (var. *platycarpa* (Ach.) Th. Fr.); Kleinig 1966 – C, I, L
- Protoblastenia calva*** (Dicks.) Zahlbr.  
Kleinig 1966 – C, R, I, L
- Protoblastenia incrustans*** (DC.) J. Steiner  
Kleinig 1966 – L
- Protoparmelia badia*** (Hoffm.) Hafellner  
Syn. *Lecanora badia* (Hoffm.) Ach.  
Kleinig 1966 – C, L
- Protoparmelia montagnei*** (Fr.) Poelt & Nimis  
Syn. *Lecanora montagnei* (Fr.) Schaer.  
Szatala 1943b – I, L (1km W Karidi, 1976, leg. Mayrhofer, GZU)
- Protoparmelia psarophana*** (Nyl.) Sancho & Crespo  
Syn. *Lecanora psarophana* Nyl.  
Szatala 1943b (var. *reagens* Servit.); Rondon 1969 (+ var. *reagens*) – L
- Pseudevernia furfuracea*** (L.) Zopf var. *furfuracea*  
Syn. *Parmelia furfuracea* (L.) Ach.  
Kleinig 1966 – C
- Pseudevernia furfuracea*** (L.) Zopf var. *ceratea*  
(Ach.) D. Hawksw.  
Syn. *Parmelia olivetorina* (Zopf) Zopf;  
*Parmelia furfuracea* var. *olivetorina*  
Zahlbrückner 1906; Szatala 1943b – C, R
- Psora decipiens*** (Hedw.) Hoffm. var. *decipiens*  
Syn. *Lecidea decipiens* (Hedw.) Ach.  
Zahlbrückner 1906; Steiner 1916; Szatala 1943b; Kleinig 1966; Rondon 1969; Schneider 1979, Papp et al. 1999 – C, R (Psiloritis, 1988, leg. Timdal, hb. Timdal), I, L
- Psora decipiens*** var. *galactina* Zahlbr.  
Zahlbrückner 1906; Kleinig 1966; Schneider 1979; Timdal 1984 – C, I
- Psora gresinonis*** de Lesd.  
Syn. *Lecidea gresinonis* (de Lesd.) Zahlbr.  
Kleinig 1966; Timdal 1984 – L
- Psora pseudorussellii*** Timdal  
C (2 km N of Omalos, 1988, leg. Timdal, hb. Timdal)

- Psora testacea*** (Hoffm.) Ach.  
Syn. *Lecidea testacea* (Hoffm.) Ach.  
Papp et al. 1999 – C (2 km N Omalos, 1988, leg Timdal, hb. Timdal), R (7 km Se Garazo, 1993, leg. Nordin, UPS), I (Iouhtas, 1995, leg. Rui & Timdal, hb. Timdal), L
- Psora vallesiaca*** (Schaer.) Timdal  
Syn. *Lecidea deceptoria* Nyl.  
Kleinig 1966 – C, L (between Tzermiadhes and Neápolis, 1995, leg Rui & Timdal, hb. Timdal)
- Psorotrichia schaeereri*** (A. Massal.) Arnold  
Rondon 1969 – C (Agios Nektarios, 1993, leg. Nordin, UPS)
- Pyrenula chlorospila*** (Nyl.) Arnold  
C (1km E Vlatos, 1998, leg. Trinkaus & Grube, GZU)
- Ramalina breviuscula*** Nyl.  
L (1 km W of Karidi, 1976, H. Mayrhofer, GZU)
- Ramalina calicaris*** (L.) Fr.  
? *Ramalina graeca* Müll. Arg.  
Szatala 1943b; Kleinig 1966 – R/I
- Ramalina farinacea*** (L.) Ach.  
Szatala 1943b (var. *gracilenta* Ach.); Kleinig 1966 – I
- Ramalina fastigiata*** (Pers.) Ach.  
Kleinig 1966 – C, R/I, I
- Ramalina fraxinea*** (L.) Ach.  
Kleinig 1966 – C (Omalos, 1976, leg. Mayrhofer, GZU), R, R/I
- Ramalina pollinaria*** (Westr.) Ach.  
Rondon 1969
- Ramalina polymorpha*** (Lilj.) Ach.  
Szatala 1943b (f. *emplecta* Ach.) – S
- Ramalina requienii*** (De Not.) Jatta  
Szatala 1943b; Rondon 1969; Vezda 1969 – I, L
- Rhizocarpon distinctum*** Th. Fr.  
Zahlbrückner 1906; Szatala 1943b; Feuerer 1991 – I, L
- Rhizocarpon geographicum*** (L.) DC. ssp. *geographicum*  
Zahlbrückner 1906 (f. *contiguum* Fw.); Szatala 1943b (f. *contiguum* Fw., f. *atrovirens* (L.) Massal.); Kleinig 1966; Rondon 1969 – C, R (7 km S Anogia, 1993, leg. Nordin, UPS), R/I, I, L
- Rhizocarpon geographicum*** ssp. *kittilense* (Räsänen) Sant. ad int.  
Syn. *Rhizocarpon riparium* Räsänen  
Szatala 1943b – R/I
- Rhizocarpon macrosporum*** Räsänen  
Runemark 1956 – R/I
- Rhizocarpon polycarpum*** (Hepp) Th. Fr.  
Szatala 1943b – I

- Rhizocarpon tinei*** (Tornab.) Runemark  
Runemark 1956; Hertel 1983 – I
- Rhizocarpon viridiatrum*** (Wulfen) Körb.  
Kleinig 1966 – L
- Rimularia insularis*** (Nyl.) Rambold & Hertel  
Syn. *Lecidea intumescens* (Flörke) Nyl.  
Szatala 1943b; Hertel 1970a (map); Hertel &  
Rambold 1990 – R/I, I
- Rinodina alba*** Metzler ex Arnold  
Szatala 1943b (as *Rinodina atrocinerea* (Hook.)  
Körb.); Mayrhofer 1984 – L
- Rinodina bischoffii*** (Hepp) A. Massal.  
Mayrhofer & Poelt 1979; Mayrhofer 1984 (map)  
– C (1 km S Imbros, leg. Mayrhofer & Ertl,  
GZU), L
- Rinodina calcarea*** (Arnold) Arnold  
Poelt & Mayrhofer 1979; Mayrhofer & Poelt  
1979; Mayrhofer 1984 (map) – L
- Rinodina confragosa*** (Ach.) Körb.  
Szatala 1943b (+ var. *fumosa* (Wedd.) H.  
Olivier); Mayrhofer 1984 (map) – I, L
- Rinodina cretica*** H. Mayrhofer  
Mayrhofer 1984 – I, L
- Rinodina dubiana*** (Hepp) J. Steiner  
Mayrhofer 1984 (map) – L
- Rinodina exigua*** (Ach.) Gray  
R (7 km S Anogia, 1993, leg. Nordin, UPS)
- Rinodina gennarii*** Bagl.  
Syn. *Rinodina demissa* auct.  
Zahlbruckner 1906; Szatala 1943b; Mayrhofer  
1984 (map) – R, L
- Rinodina immersa*** (Körb.) Arnold  
Syn. *Rinodina bischoffii* (Hepp) A. Massal. var.  
*immersa* Körb.  
Zahlbruckner 1906; Szatala 1943b; Rondon  
1969; Mayrhofer & Poelt 1979; Mayrhofer 1984  
(map) – C (1 km S Imbros, leg. Mayrhofer &  
Ertl, GZU), I, L
- Rinodina lecanorina*** (A. Massal.) A. Massal.  
Syn. *Rinodina ocellata* (Hoffm.) Arnold  
Mayrhofer et al. 1990; Mayrhofer & Poelt 1979;  
Mayrhofer 1984 (map) – I, L
- Rinodina milvina*** (Wahlenb.) Th. Fr.  
Szatala 1943b; Kleinig 1966; Mayrhofer 1984  
(map) – I/R
- Rinodina obnascens*** (Nyl.) H. Olivier  
I (Mate, 1997, leg. Grube, GZU).
- Rinodina pyrina*** (Ach.) Arnold  
Szatala 1943b; Kleinig 1966 – C
- Rinodina sophodes*** (Ach.) A. Massal.  
Kleinig 1966; Giralt & Mayrhofer 1995 – C
- Rinodina trachytica*** (A. Massal.) Bagl. & Carestia  
Mayrhofer 1984 (map); Mayrhofer & Leuckert  
1985; Mayrhofer & Poelt 1979; Mayrhofer et al.  
1992 (map) – R
- Rinodina tunicata*** H. Mayrhofer & Poelt  
Obermayer 1999; Helms et al. 2001 – C
- Rinodinella controversa*** (A. Massal.) H. Mayrhofer  
& Poelt  
Syn. *Rinodina crustulata* (A. Massal.) Arnold  
Szatala 1943b; Mayrhofer 1984 (map); Mayr-  
hofer & Poelt 1978; Helms et al. 2001 – C, I
- Rinodinella dubyanoides*** (Hepp) H. Mayrhofer &  
Poelt  
Mayrhofer & Poelt 1978; Mayrhofer 1984 (map)  
– I, C (1 km S Imbros, leg. Mayrhofer & Ertl,  
GZU)
- Roccella phycopsis*** Ach.  
Syn. *Roccella fucoides* Vain.  
Zahlbruckner 1904; Zahlbruckner 1906; Szatala  
1943b; Kleinig 1966; Rondon 1969 – C, I, L
- Sagiolechia protuberans*** (Ach.) A. Massal.  
Kleinig 1966 – L
- Sarcogyne privigna*** (Ach.) A. Massal.  
C (3 km N Omalos, 1993, leg. Nordin, UPS), R  
(7 km S Anogia, 1993, leg. Nordin, UPS)
- Sarcogyne regularis*** Körb.  
Syn. *Sarcogyne pruinosa* auct.  
Steiner 1916; Szatala 1943b; Kleinig 1966 – C,  
R, I, L
- Solenopsora candicans*** (Dicks.) J. Steiner  
Syn. *Placolecania candicans* (Dicks.) Zahlbr.  
Zahlbruckner 1906; Szatala 1943b; Kleinig  
1966; Rondon 1969 – C (road from Voukolies to  
Paleochora, 1998, leg. Rui & Timdal, hb  
Timdal), I, L
- Solenopsora cesatii*** (A. Massal.) Zahlbr.  
Syn. *Placolecania cesatii* (A. Massal.) Zahlbr.;  
*Solenopsora bagliettoana* Tav. ined.; *Solenop-  
sora cesatii* (A. Massal.) Zahlbr. var. *grisea*  
(Bagl.) Nimis  
Zahlbruckner 1906; Szatala 1943b – C, R (14  
km W Spili, 1993, leg. Nordin, UPS), I, L  
The variety *grisea* is not distinguished, as inter-  
mediate forms links it with the type variety.
- Solenopsora marina*** ined.  
C (road from Voukolies to Paleochora, 1998, leg.  
Rui & Timdal, hb. Timdal)
- Solenopsora olivacea*** (Fr.) H. Kilius  
Syn. *Placodiella olivacea* (Fr.) Szatala; *Catil-  
laria olivacea* (Fr.) Zahlbr.  
Zahlbruckner 1906; Rondon 1969; Szatala  
1943b; Roux 1991 (map) – C, R (14 km W Spili,  
1993, leg. Nordin, UPS), I, L

*Solenopsora vulturiensis* Bagl.

L (Karidi, 1976, leg. Mayrhofer, GZU)

*Squamaria cartilaginea* (With.) P. James f. *cartilaginea*

Syn. *Squamaria crassa* (Huds.) Poelt

Zahlbruckner 1906 (as *Lecanora*); Steiner 1916 (as *Lecanora*, f. *dealbata*); Szatala 1943b (var. *caespitosa* (Vill.) Rabenh., var. *liparia* (Ach.) Boistel); Kleinig 1966; Rondon 1969, Papp et al. 1999 – C, R, I, L

*Squamaria cartilaginea* f. *iberica* (Mattick) Clauzade & Cl. Roux

Syn. *Squamaria crassa* f. *iberica* (Mattick) Poelt  
Kleinig 1966 – C

*Squamaria concrescens* (Müll. Arg.) Poelt

Rondon 1969; Poelt & Krüger 1970 (map); Papp et al. 1999 – C (Agios Nektarios, 1993, leg. A. Nordin, UPS), I (Ioúhtas, 1995, leg Rui & Timdal, hb. Timdal), R, L (4km N Mirtos, 1976, leg. Mayrhofer, GZU)

*Squamaria gypsacea* (Sm.) Poelt

Syn. *Squamaria fragilis* (Scop.) Szatala Kleinig 1966; Rondon 1969; Szatala 1943b; Papp et al. 1999 – C, I (Ioúhtas, 1995, leg Rui & Timdal, hb. Timdal), R, L (between Adravasti and Karidi, 1976, leg. Mayrhofer & Pölzl, GZU)

*Squamaria lentigera* (Weber) Poelt

Syn. *Lecanora lentigera* (Weber) Ach.  
Steiner 1916; Szatala 1943b; Poelt & Krüger 1970 (map); Papp et al. 1999 – C, R, I, L

*Squamaria oleosa* (Zahlbr.) Poelt

Rondon 1969

*Staurothele fuscocuprea* (Nyl.) Zschacke

Syn. *Staurothele clopima* (Wahlenb.) Th. Fr.  
Szatala 1943b – R

*Staurothele hymenogonia* (Nyl.) Th. Fr.

Syn. *Staurothele ventosa* (A. Massal.) P. Syd.,  
*Staurothele extabescens* (Nyl.) Zahlbr.  
Steiner 1916; Szatala 1943b – I, L  
*Staurothele immersa* (A. Massal.) Dalla Torre & Sarnth.  
Rondon 1969

*Stigmidium tabacinae* (Arnold) Triebel

I (Matala, 1997, leg. Grube, GZU)  
Host: *Toninia diffracta*

*Strigula affinis* (A. Massal.) R.C. Harris

Syn. *Porina affinis* (A. Massal.) Zahlbr.  
Szatala 1943b – C

*Synalissa symphorea* (Ach.) Nyl.

Szatala 1943b – C

*Tephromela atra* (Huds.) Hafellner var. *atra*

Syn. *Lecanora atra* (Huds.) Ach.

Zahlbruckner 1906; Szatala 1943b; Kleinig 1966; Rondon 1969 (+ var. *discolor* (Duby) Schaer.) – R (1 km S Kouroutes, 1976, leg. Mayrhofer, GZU), R/I, I, L

*Tephromela atra* (Huds.) Hafellner var. *cypria* (Körb.) Nimis

C (1 km S Imbros, leg. Mayrhofer & Ertl, GZU), I (Dia island, 1942, Rechinger, W; Nida plain, 1942, Rechinger, W), L (Street from Adravasti to Karidi, 1976, Mayrhofer & Pölzl, GZU)

*Thelenella modesta* (Nyl.) Nyl.

Syn. *Microglaena modesta* (Nyl.) A.L. Sm.

Szatala 1943b; Mayrhofer & Poelt 1985; Mayrhofer 1987 – C

*Thelidium creticum* J. Steiner

Steiner 1916; Szatala 1943b – I

*Thelopsis isiacaca* Stizenb.

Szatala 1943b; Vězda 1968 – C

*Toninia albilabra* (Dufour) H. Olivier

Timdal 1991 (map) – C (between Vouklies and Kandanos, 1988, leg. Timdal, hb. Timdal)

*Toninia aromatica* (Sm.) A. Massal.

Steiner 1916; Szatala 1943b; Kleinig 1966; Timdal 1991 (map) – C, R (2.5 km S of Koxare, 1988, leg. Timdal, hb. Timdal), I

*Toninia candida* (Weber) Th. Fr.

Szatala 1943b; Rondon 1969; Timdal 1991 (map); Papp et al. 1999 – C (Agios Nektarios, 1993, leg. Nordin, UPS), R, I (hill just S of Fodele, 1988, leg. Timdal, hb. Timdal), L

*Toninia cinereovirens* (Schaer.) A. Massal.

Timdal 1991 (map) – I (near Epanosifi Monastery, 1988, leg. Timdal, hb. Timdal)

*Toninia cretica* Timdal

Timdal 1991 (map) – C (2 km N of Omalos, 1988, leg. Timdal, hb. Timdal), R (Psiloritis, 1988, leg. Timdal, hb. Timdal)

*Toninia diffracta* (A. Massal.) Zahlbr.

C (Omalos, 1976, leg. Mayrhofer, GZU), R (Psiloritis, 1988, leg. Timdal, hb. Timdal), I (Matala, 1997, leg. Grube, GZU; filed under *Stigmidium tabacinae*)

*Toninia lutosa* (Ach.) Timdal

C (Agios Nektarios, 1993, leg. Nordin, UPS)

*Toninia massata* (Tuck.) Herre

Timdal 1991 (map) – I (Rogdia, 1965, leg. Degelius, UPS)

*Toninia opuntioides* (Vill.) Timdal

Timdal 1991 (map) – C (Imbros, 1985, leg. Hoiland, O), R (Psiloritis, 1988, leg. Timdal, hb. Timdal), L (Gournia, 1988, leg. Timdal, hb. Timdal)

- Toninia philippea* (Mont.) Timdal**  
 Syn. *Catillaria philippea* (Mont.) A. Massal.;  
*Catillaria lutescens* A. Massal.  
 Zahlbruckner 1906 – L  
 Not on Crete acc. to Timdal 1991 (maps)
- Toninia physaroides* (Opiz) Zahlbr.**  
 Timdal 1991 (map)
- Toninia sedifolia* (Scop.) Timdal**  
 Syn. *Toninia coeruleonigricans* Th. Fr.  
 Steiner 1916; Szatala 1943b; Kleinig 1966;  
 Rondon 1969; Timdal 1991 (map); Papp *et al.*  
 1999 – C, R, I, L
- Toninia squalida* (Ach.) A. Massal.**  
 Syn. *Toninia acervulans* (Nyl.) Oliv.  
 Rondon 1969  
 Not mapped on Crete in Timdal (1991)
- Toninia taurica* (Szatala) Oxner**  
 Timdal 1991 (map) – C (ca. 2.5 km N of  
 Omalos, 1998, leg. Rui & Timdal, hb. Timdal),  
 R (Psiloritis, 1988, leg. Timdal, hb. Timdal)
- Toninia tristis* (Th. Fr.) Th. Fr. ssp. *tristis***  
 Timdal 1991 (map) – C (Agios Nektarios, 1993,  
 leg. Nordin, UPS)
- Toninia tristis* ssp. *asiae-centralis* (H. Magn.)**  
 Timdal  
 C (Imbros, 1988, leg. Timdal, hb. Timdal)
- Toninia tristis* ssp. *pseudotabacina* Timdal**  
 R (2 km E of Preveli Monastery, 1988, leg.  
 Timdal, hb. Timdal), L (Gournia, 1988, leg.  
 Timdal, hb. Timdal)
- Toninia tristis* ssp. *thalloedaeformis* (Szatala)**  
 Timdal  
 Syn. *Lecidea thalloedaeformis* Szatala  
 Szatala 1943b; Timdal 1991 – C (Imbros, 1988,  
 leg. Timdal, hb. Timdal), R (Fourfouras, 1985,  
 leg. Høiland, O), I (hill just S of Fodele, 1988,  
 leg. Timdal, hb. Timdal), L
- Toninia tumidula* (Sm.) Zahlbr.**  
 C (1 km W of Kakopetros, 1988, leg Timdal, hb.  
 Timdal), I (Iouhtas, 1995, leg. Timdal, hb.  
 Timdal)
- Toninia verrucariae* (Nyl.) Timdal**  
 I (Kounari, leg. Nordin, 1993)  
 Host: *Bagliettoa parmigera*
- Topelia heterospora* (Zahlbr.) P.M. Jørg. & Vězda**  
 Syn. *Clathroporina heterospora* Zahlbr.  
 Szatala 1943b; Vězda 1968 – I
- Tornabea scutellifera* (With.) J. R. Laundon**  
 I (Iouhtas, 1995, Rui & Timdal, O)
- Trapelia obtegens* (Th. Fr.) Hertel**  
 Syn. *Lecidea obtegens* (Th. Fr.) Vain.  
 Szatala 1943b – L
- Usnea articulata* (L.) Hoffm.**  
 Szatala 1943a (ssp. *mediterranea* Motyka) – C
- Usnea filipendula* Stirn.**  
 Syn. *Usnea dasypoga* auct.  
 Kleinig 1966 – C
- Verrucaria acrotella* Ach.**  
 Kleinig 1966 – L
- Verrucaria adriatica* Zahlbr.**  
 Szatala 1943b – L
- Verrucaria attica* J. Steiner**  
 Steiner 1916, Kleinig 1966 – I
- Verrucaria aspiciliicola* R. Sant.**  
 Syn. *Verrucaria aspiciliae* Zehetl.  
 Zehetleitner 1978 – L  
 Host: *Aspicilia calcarea*
- Verrucaria caerulea* DC.**  
 Syn. *Verrucaria plumbea* Ach., *Involucrothele*  
*plumbea* (Ach.) Servít  
 Kleinig 1966 – C
- Verrucaria cyanea* A. Massal.**  
 Syn. *Verrucaria decussata* Garov.  
 Zahlbruckner 1906 – I
- Verrucaria foveolata* (Flörke) A. Massal.**  
 Syn. *Verrucaria dolomitica* (A. Massal.)  
 Kremp.  
 Rondon 1969 – C (Agios Nektarios, 1993, leg.  
 Nordin, UPS)
- Verrucaria fuscella* (Turner) Winch**  
 Zahlbruckner 1906 – L
- Verrucaria fuscula* Nyl.**  
 Syn. *Dermatocarpon insulare* (A. Massal.) Mig.  
 Rondon 1969
- Verrucaria hochstetteri* Fr. var. *mastoidea* (A.**  
 Massal.) Clauzade & Cl. Roux  
 Syn. *Amphoridium mastoideum* A. Massal.  
 Steiner 1916 – I
- Verrucaria macrostoma* Dufour ex DC.**  
 Steiner 1916; Kleinig 1966; Rondon 1969 – I
- Verrucaria marmorea* (Scop.) Arnold**  
 Syn. *Amphoridium marmoreum* (Scop.) Baroni  
 Zahlbruckner 1906; Kleinig 1966; Rondon 1969  
 – C, L
- Verrucaria mortarii* Lamy**  
 Rondon 1969
- Verrucaria muralis* Ach.**  
 Syn. *Verrucaria rupestris* Schrad. non (Scop.)  
 Weber ex F.H. Wigg.  
 Zahlbruckner 1906; Steiner 1916 (var.  
*hypophaea* Steiner & Zahlbr.); Rondon 1969 – I,  
 L
- Verrucaria murina* Leight.**  
 Steiner 1916 – I

*Verrucaria nigrescens* Pers.

Szatala 1943b; Rondon 1969 – C, I (2 km W Festos, 1993, leg. Nordin, UPS), L

*Verrucaria ruderum* DC.

Rondon 1969

*Xanthoparmelia conspersa* (Ehrh. ex Ach.) Hale

Syn. *Parmelia conspersa* (Ach.) Ach., *Parmelia isidiata* (Anzi) Gyeln.  
Szatala 1943b; Kleinig 1966 – I

*Xanthoparmelia somloensis* (Gyeln.) Hale

Syn. *Parmelia somloensis* Gyeln.; *Parmelia sternophylla* (Ach.) auct.  
Rondon 1969

*Xanthoparmelia tinctina* (Maheu et Gillet) Hale

Papp et al. 1999 – C

*Xanthoparmelia verrucigera* (Nyl.) Hale

Syn. *Parmelia conspersa* var. *verrucigera* (Nyl.) Boistel; *Parmelia verrucigera* Nyl.  
Steiner 1916 – I

*Xanthoria calcicola* Oxner

Syn. *Xanthoria aureola* (Ach.) Erichsen  
Kleinig 1966; Rondon 1969 (+ var. *ectanea* (Ach.) Kickx.) – C, R (6 km Se Nea Kria Vrisi, leg. Mayrhofer & Ertl, GZU; 2 km W Festos, 1993, leg. Nordin, UPS), L

*Xanthoria mediterranea* Giralt, Poelt & Nimis

Syn. *Xanthoria isidioidea* auct. pro parte  
Kleinig 1966; Giralt et al. 1993 – C, I

*Xanthoria parietina* (L.) Th. Fr.

Zahlbruckner 1906 (+ var. *retirugosa* J. Steiner);  
Kleinig 1966 – C (Omalos, 1976, leg. Mayrhofer, GZU), I

*Zwackhiomyces inconspicuus* Grube & Hafellner

Grube & Hafellner 1990 – R/I  
Host: *Lecanora dispersa*.

**Unclear taxa**

*Aspicilia briconensis* Hue

Rondon 1969

A dubious taxon, which might refer to Dirina.

*Aspicilia lactea* A. Massal.

Kleinig 1966 – R

Clauzade & Roux 1985 list this taxon under  
*Lecania erysibe* (Ach.) Mudd.

*Aspicilia reticulata* Kremp.

Steiner 1916 (var. *contortoides*); Szatala 1943b  
(+ *ammotropha* (Hue) Szatala) – R/I, I, L

*Aspicilia r. ammotropha* is a synonym of  
*Aspicilia intermutans* (Nyl.) Arnold

*Collema sublimosa* J. Steiner

Steiner 1916 – I

Probably a member of the *C. tenax* group. See  
Degelius 1954: 461 (material not seen)

*Lecanora coeruleata* (Ach.) Szatala

Szatala 1943b – I, L

*Lecidea ocellulata* (Schaer.) Th. Fr.

Szatala 1943b – I

This taxon could belong to *Lecidea fuscoatra* (L.) Ach.

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