FRITSCHIANA

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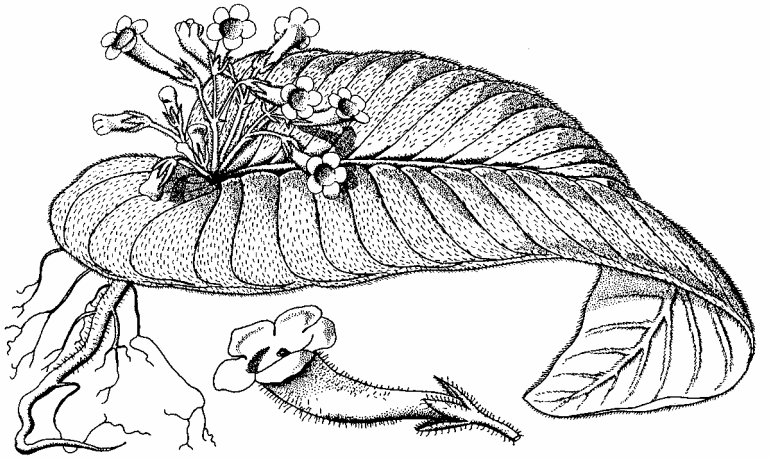

Veröffentlichungen aus dem
Institut für Pflanzenwissenschaften
der Karl-Franzens-Universität Graz

Josef HAFELLNER

Checklist and bibliography of lichenized and lichenicolous fungi so far reported from Albania (version 05-2007)

Graz, 31. Mai 2007

Hofrat Prof. Dr. Karl FRITSCH

(∗ 24.2.1864 in Wien, † 17.1.1934 in Graz)

Karl FRITSCH studierte nach einem Jahr in Innsbruck an der Universität Wien Botanik und wurde dort 1886 zum Dr.phil. promoviert; 1890 habilitierte er sich. Nach Anstellungen in Wien wurde FRITSCH 1900 als Professor für Systematische Botanik an die Universität Graz berufen, wo er aus bescheidenen Anfängen ein Institut aufbaute. 1910 wurde er Direktor des Botanischen Gartens, 1916 wurde das neu errichtete Institutsgebäude bezogen. Aus der sehr breiten wissenschaftlichen Tätigkeit sind vor allem drei Schwerpunkte hervorzuheben: Floristisch-systematische Studien, besonders zur Flora von Österreich, monographische Arbeiten (besonders über *Gesneriaceae*) und Arbeiten zur systematischen Stellung und Gliederung der Monocotylen. An Kryptogamen interessierten ihn besonders Pilze und Myxomyceten.

Nachrufe: KNOLL F. 1934, Ber. Deutsch. Bot. Ges. 51: (157)–(184) (mit Schriftenverzeichnis). - KUBART B. 1935, Mitt. Naturwiss. Ver. Steiermark 71: 5–15 (mit Porträt). - TEPPNER H. 1997, Mitt. Geol. Paläont. Landesmus. Joanneum (Graz) 55: 133–136. - Im übrigen vgl. STAFLEU F.A. & COWAN R.S. 1976, Tax. Lit. 1: 892 und BARNHART J.H. 1965, Biogr. Notes Botanists 2: 12.

Graz, November 1997 H. TEPPNER

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Checklist and bibliography of lichenized and lichenicolous fungi so far reported from Albania (version 05-2007)

Josef HAFELLNER*

Hafellner J. 2007: Checklist and bibliography of lichenized and lichenicolous fungi so far reported from Albania (version 05-2007). – Fritschiana 59: 1–18. - ISSN 1024-0306

Abstract: The available information on lichenized and lichenicolous fungi so far reported from Albania is compiled. The list contains data on 191 taxa of lichens and 15 species of lichenicolous fungi, altogether 206 taxa. This is only about 10–20 percent of what can be expected to be found in the country.

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Introduction

Albania is one of the lichenologically most poorly investigated countries of Europe. This is caused by mainly two facts, the lack of resident lichenologists and the long isolation of the country in the 20th century. The compilation of a checklist for Albania is not an easy task, as the interpretation of ancient data causes many problems with respect to the changing frontiers of Albania through time, especially in the 20th century. At least the few available data are needed as input in several international projects, therefore a first draft of a checklist is presented below. A comparison with the Internet version of a checklist for Albania (no author indicated, date of query: 3 May, 2007) available at http://www.biologie.uni-hamburg.de/checklists/europe/albania_l.htm shows considerable differences both in listed taxa and in the preciseness of the presented distributional information. This is mainly due to incomplete or not evaluated literature data in that html-file.

Remarks on the country

Albania is a relatively small country on the Balkan peninsula adjacent to the eastern shore of the Adriatic Sea. For a more detailed introduction to some aspects of Albania´s geography, geology and biota see HAFELLNER & KASHTA (2003). The country has undergone an administrative reform in recent times, resulting in a reorganisation of the administrative units (Fig. 1). For some of the districts different spellings can be found on maps and in the literature (e.g. Dibër – Dibrë – Dibra).

History of lichenological research in Albania

In the past Albania has been largely neglected in lichenological research. According to our knowledge, no professional lichenologist has ever performed fieldwork in Albania. The very few papers all deal with collections gathered by people mainly interested in other fields of biology. As lichen collections from Albania in European herbaria are few, Albanian specimens are only very rarely cited in revisions and monographs. A fully neglected source of distributional data for more common lichen species are the publications by MARKGRAF in preparing his detailed account on the phytogeography of Albania (compare chapter “References” in this publication).

Only in recent years the author could encourage L. Kashta (Shkodër) to collect also some lichens during his fieldwork on higher plants, resulting in a lichenological publication that augmented the knowledge about lichens of Albania by the factor 3 (HAFELLNER & KASHTA 2003). GZU is now likely to hold the largest collection of Albanian lichens outside the country.

State of knowledge

A comparison with relatively well studied European countries and Mediterranean islands of similar size (Tab. 1) shows that about 1000–1500 taxa of lichenized and lichenicolous fungi can be expected to be present in Albania. This would mean that only 10–20 percent of the total lichen flora has so far been documented.

Tab. 1. Size and number of known lichen taxa of selected European countries.

Country / Mediterranean island	Size [km^2]	Number of species and infraspecific taxa
Slovenia	20 273	860[1, *)]
Sardinia	24 090	1 106[2)]
Sicily	25 708	863[2)]
Albania	28 748	206[*)]
Switzerland	41 290	1 679[3)]
Denmark	43 094	1 006[4)]

Information about size from http://en.wikipedia.org/wiki/Portal:Europe. Numbers of lichen taxa from most recent published checklists: [1)] SUPPAN U., PRÜGGER J., MAYRHOFER H. 2000: Catalogue of the lichenized and lichenicolous fungi of Slovenia. – Bibliotheca Lichenologica 76: 1–215. [2)] NIMIS P.L. 2007: Checklist of Italian Lichens 3.0. – http://dbiodbs.univ. trieste.it/ (date of query: 4 May, 2007). [3)] CLERC P. 2004: Les champignons lichénisés de Suisse. – Cryptogamica Helvetica 19: 1–314. [4)] from http://www.biologie.uni-hamburg.de/checklists/europe/denmark_l.htm (date of query: 4 May, 2007), based on SØCHTING U. & ALSTRUP V. 2002: Danish Lichen Checklist. Version 1. 2002. http://www.bi.ku.dk/lichens/dkchecklist/. [*)] lichenicolous taxa included.

Presentation of data in the checklist

The following information is given for the listed taxa: Name of taxon; political district(s) of Albania, where the locality(ies) is(are) situated; reference(s) to publication(s), in which the taxon and an Albanian locality has been mentioned, consisting of author(s), year of publication, page of publication, synonym if the taxon has been published under a name different from that used in the checklist.

+ doubtfully lichenized fungus on bark or wood

***** lichenicolous fungus

Fig. 1: Administrative map of Albania modified from a map offered by the NATO at http://www.afsouth.nato.int/NHQT/Factsheets/Factsheet_map.htm (downloaded 24 April 2007).

Checklist

Acarospora fuscata (Schrad.) Th.Fr.
Mat distr.: MARKGRAF (1927: 163).

Agonimia tristicula (Nyl.) Zahlbr.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139).

Alectoria sarmentosa (Ach.) Ach.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139).

Amandinea punctata (Hoffm.) Coppins & Scheid.
Vlorë distr.: HAFELLNER & KASHTA (2003: 139).

Anaptychia ciliaris (L.) Körb. var. *ciliaris*
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139); Kukës distr.: SZATALA & TIMKO (1926: 178); Kukës distr. (now Has distr.): HAFELLNER & KASHTA (2003: 139); Mirditë distr.: MARKGRAF (1931: 325); Elbasan distr.: MARKGRAF (1927: 164); Korçë distr.: MARKGRAF (1932: 48 f.).

Anaptychia crinalis (Schleich.) Vězda
Korçë distr.: MARKGRAF (1931: 325, sub *A. ciliaris* var. *c.*).

Arthonia punctiformis Ach.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139).

Aspicilia calcarea (L.) Mudd
Shkodër distr.: HAFELLNER & KASHTA (2003: 139); Tiranë distr.: MARKGRAF (1927: 163, sub *Lecanora c.*).

Bacidia rubella (Hoffm.) A.Massal.
Kukës distr.: SZATALA & TIMKO (1926: 165).

Bilimbia lobulata (Sommerf.) Hafellner & Coppins
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140, sub *Myxobilimbia l.*).

Bilimbia sabuletorum (Schreb.) Arnold var. *sabuletorum*
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140, sub *Myxobilimbia s.*); Kukës distr.: HAFELLNER & KASHTA (2003: 140, sub *Myxobilimbia s.*).

Bryoria fuscescens (Gyeln.) Brodo & D.Hawksw.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139); Kukës distr.: MARKGRAF (1931: 324, sub *Alectoria jubata*); Korçë distr.: MARKGRAF (1931: 324, sub *Alectoria jubata*); MARKGRAF (1932: 48 f., sub *Alectoria iubata*); Without locality: MARKGRAF (1932: 45, sub *Alectoria iubata*).

Caloplaca alociza (A.Massal.) Mig., inkl. *Caloplaca agardhiana*
Shkodër distr.: HAFELLNER & KASHTA (2003: 139).

Caloplaca aurantia (Pers.) Hellb.
Shkodër distr.: HAFELLNER & KASHTA (2003: 139).

Caloplaca aurea (Schaer.) Zahlbr.
Kukës distr.: SZATALA & TIMKO (1926: 176).

Caloplaca cerina (Ehrh. ex Hedw.) Th.Fr. var. *cerina*
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139); Vlorë distr.: HAFELLNER & KASHTA (2003: 139).

Caloplaca decipiens (Arnold) Blomb. & Forssell
Sarandë distr.: MURATI (1979: 97).

Caloplaca festiva (Ach.) Zwackh
Shkodër distr.: HAFELLNER & KASHTA (2003: 139).

Caloplaca flavescens (Huds.) J.R.Laundon
Shkodër distr.: HAFELLNER & KASHTA (2003: 139); Durrës distr.: MARKGRAF (1931: 324, sub *C. heppiana*).

Caloplaca haematites (St.Amans) Zwackh
Vlorë distr.: HAFELLNER & KASHTA (2003: 139).

Caloplaca ochracea (Schaer.) Flagey
Shkodër distr.: HAFELLNER & KASHTA (2003: 139).

Caloplaca oxfordensis Fink ex Hedrick
Shkodër distr.: HAFELLNER & KASHTA (2003: 139, sub *C. subpallida*).

Caloplaca xantholyta (Nyl.) Jatta
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139).

Candelariella faginea Nimis, Poelt & Puntillo
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139).

Candelariella vitellina (Hoffm.) Müll.Arg.
Shkodër distr.: HAFELLNER & KASHTA (2003: 139); Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139); Vlorë distr.: HAFELLNER & KASHTA (2003: 139).

Catapyrenium daedaleum (Kremp.) Stein
Kukës distr.: SZATALA & TIMKO (1926: 160, sub *Dermatocarpon cartilagineum*).

Catillaria lenticularis (Ach.) Th.Fr.
Shkodër distr.: HAFELLNER & KASHTA (2003: 139).

**Cercidospora macrospora* (Uloth) Hafellner & Nav.-Ros.
Host: *Protoparmeliopsis muralis*
Shkodër distr.: HAFELLNER & KASHTA (2003: 141).

Cetraria aculeata (Schreb.) Fr.
Dibër distr.: SZATALA & TIMKO (1926: 173, sub *C. tenuissima*).

Cetraria ericetorum Opiz
Dibër distr.: SZATALA & TIMKO (1926: 173, sub *C. islandica* var. *tenuifolia*).

Cetraria islandica (L.) Ach. ssp. *islandica*
Dibër distr.: MARKGRAF (1931: 324); MARKGRAF (1932: 78).

Chrysothrix candelaris (L.) J.R.Laundon
Lushnjë distr.: MARKGRAF (1931: 325, sub *Lepra c.*); MARKGRAF (1932: 56, sub *Lepra c.*).

Cladonia carneola (Fr.) Fr.
Shkodër distr.: ZAHLBRUCKNER (1889: 7).

Cladonia chlorophaea (Flörke ex Sommerf.) Spreng.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139); Kukës distr. (now Has distr.): HAFELLNER & KASHTA (2003: 139); Tiranë distr.: MARKGRAF (1931: 323); MARKGRAF (1932: 23 f.); Dibër distr.: MARKGRAF (1931: 323).

Cladonia coniocraea (Flörke) Spreng.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA 2003: 139 (2003).

Cladonia convoluta (Lam.) Anders

Kukës distr.: HAFELLNER & KASHTA (2003: 139); Lushnjë distr.: MARKGRAF (1931: 323, sub *C*. *foliacea* var. *c*.).

Cladonia fimbriata (L.) Fr.

Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139); Kukës distr.: HAFELLNER & KASHTA (2003: 139).

Cladonia foliacea (Huds.) Willd.

Shkodër distr.: HAFELLNER & KASHTA (2003: 139); Tiranë distr.: MARKGRAF (1927: 20 f., sub *C*. *alcicornis*; 163, sub *C*. *f*. var. *alcicornis*); MARKGRAF (1932: 23 f., sub *C*. *alcicornis*).

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

Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139); Tiranë distr.: MARKGRAF (1931: 323); MARKGRAF (1932: 23 f.).

Cladonia macilenta Hoffm. ssp. *macilenta*

Vlorë distr.: HAFELLNER & KASHTA (2003: 139).

Cladonia pocillum (Ach.) Grognot

Shkodër distr.: ZAHLBRUCKNER (1889: 7, sub *C*. *pyxidata* var. *p*.); Dibër distr.: SZATALA & TIMKO (1926: 167, sub *C*. *pyxidata* var. *p*.).

Cladonia pyxidata (L.) Hoffm.

Shkodër distr.: ZAHLBRUCKNER (1889: 7); Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139); ?Mirditë distr.: MARKGRAF (1931: 323, sub *C*. *p*. var. *neglecta*); Kukës distr.: HAFELLNER & KASHTA (2003: 139); Vlorë distr.: HAFELLNER & KASHTA (2003: 139); Sarandë distr.: MURATI (1979: 98).

Cladonia rangiformis Hoffm.

Shkodër distr.: HAFELLNER & KASHTA (2003: 139); Kukës distr.: SZATALA & TIMKO (1926: 166, sub *C*. *r*. var. *foliosa*); HAFELLNER & KASHTA (2003: 139); Tiranë distr.: MARKGRAF (1927: 20 f., sub *C*. *r*. var. *foliosa*; 163, sub *C*. *r*. f. *foliosa*); MARKGRAF (1932: 23 f., sub *C*. *r*. var. *foliosa*).

Collema auriforme (With.) Coppins & J.R.Laundon

Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139); Kukës distr.: SZATALA & TIMKO (1926: 162, sub *C*. *auriculatum*).

Collema flaccidum (Ach.) Ach.

Mat distr.: MARKGRAF (1927: 82, sub *C*. *rupestre*); MARKGRAF (1932: 50, sub *C*. *rupestre*); Tiranë distr.: MARKGRAF (1927: 80 f., 162, sub *C*. *rupestre*); MARKGRAF (1932: 49, sub *C*. *rupestre*); Librazdh distr.: MARKGRAF (1927: 81 f., sub *C*. *rupestre*); MARKGRAF (1932: 50, sub *C*. *rupestre*); Vlorë distr.: HAFELLNER & KASHTA (2003: 139).

Collema fuscovirens (With.) J.R.Laundon

Kukës distr.: SZATALA & TIMKO (1926: 162, sub *C*. *furvum*); Kukës distr. (now Has distr.): HAFELLNER & KASHTA (2003: 139).

Collema subflaccidum Degel.

Vlorë distr.: HAFELLNER & KASHTA (2003: 139).

Collema subnigrescens Degel.

Vlorë distr.: HAFELLNER & KASHTA (2003: 139).

Collema tenax (Sw.) Ach. emend. Degel. var. *tenax*

Shkodër distr.: HAFELLNER & KASHTA (2003: 139); Kukës distr.: HAFELLNER & KASHTA (2003: 139).

Dermatocarpon miniatum (L.) W.Mann var. *miniatum*
Shkodër distr.: HAFELLNER & KASHTA (2003: 139); Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139); Kukës distr.: HAFELLNER & KASHTA (2003: 139); Kukës distr. (now Has distr.): HAFELLNER & KASHTA (2003: 139).

Dermatocarpon miniatum (L.) W.Mann var. *complicatum* (Lightf.) Th.Fr.
Kukës distr.: SZATALA & TIMKO (1926: 160, sub *D. m.* f. *macrophyllum*, f. *microphyllum*); Dibër distr.: SZATALA & TIMKO (1926: 160, sub *D. m.* f. *microphyllum*).

Dimerella pineti (Ach.) Vězda
Vlorë distr.: HAFELLNER & KASHTA (2003: 139).

Diploschistes diacapsis (Ach.) Lumbsch
Kukës distr.: SZATALA & TIMKO (1926: 161, sub *D. albissimus*).

Diploschistes gypsaceus (Ach.) Zahlbr.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139).

Diploschistes muscorum (Scop.) R.Sant.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139); Kukës distr.: HAFELLNER & KASHTA (2003: 139).

Diploschistes ocellatus (Vill.) Norman
Shkodër distr.: HAFELLNER & KASHTA (2003: 139); Kukës distr.: SZATALA & TIMKO (1926: 161); Kukës distr. (now Has distr.): HAFELLNER & KASHTA (2003: 139); Mat distr.: MARKGRAF (1931: 323).

Diploschistes scruposus (Schreb.) Norman
Shkodër distr.: HAFELLNER & KASHTA (2003: 139).

Dolichousnea longissima (Ach.) Articus (syn. *Usnea longissima* Ach.)
Shkodër distr.: ZAHLBRUCKNER (1889: 6, sub *U. barbata* var. *l.*).

Evernia divaricata (L.) Ach.
Korçë distr.: MARKGRAF (1931: 324, sub *Letharia d.*); MARKGRAF (1932: 48 f., sub *Letharia d.*).

Evernia prunastri (L.) Ach.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139); Lushnjë distr.: MARKGRAF (1931: 324); MARKGRAF (1932: 56).

Flavocetraria cucullata (Bellardi) Kärnefelt
Dibër distr.: SZATALA & TIMKO (1926: 173, sub *Cetraria c.*).

Flavocetraria nivalis (L.) Kärnefelt
Dibër distr.: SZATALA & TIMKO (1926: 173, sub *Cetraria n.*).

Flavoparmelia caperata (L.) Hale
Lushnjë distr.: MARKGRAF (1931: 324, sub *Parmelia c.*); MARKGRAF (1932: 56, sub *Parmelia c.*); Sarandë distr.: MURATI (1979: 98, sub *Parmelia c.*).

Fulgensia fulgens (Sw.) Elenkin
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139); Kukës distr.: HAFELLNER & KASHTA (2003: 139).

Fuscopannaria olivacea (M.Jørg.) M.Jørg.
Vlorë distr.: HAFELLNER & KASHTA (2003: 139).

Fuscopannaria praetermissa (Nyl.) M.Jørg.
Dibër distr.: SZATALA & TIMKO (1926: 162, sub *Parmeliella lepidiota*).

Gyalecta derivata (Nyl.) H.Olivier
Vlorë distr.: HAFELLNER & KASHTA (2003: 139).

Hyperphyscia adglutinata (Flörke) H.Mayrhofer & Poelt
Shkodër distr.: HAFELLNER & KASHTA (2003: 139); Vlorë distr.: HAFELLNER & KASHTA (2003: 139).

Hypogymnia physodes (L.) Nyl.
Shkodër distr.: ZAHLBRUCKNER (1889: 8, sub *Imbricaria p.*); Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139).

Hypogymnia tubulosa (Schaer.) Hav.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139); Kukës distr.: SZATALA & TIMKO (1926: 171, sub *Parmelia t.*).

Lecanora allophana Nyl.
Kukës distr.: SZATALA & TIMKO (1926: 169); Mirditë distr.: MARKGRAF (1931: 324, sub *L. subfusca*, ?belonging here); Mat distr.: MARKGRAF (1927: 82, sub *L. subfusca*, ?belonging here); MARKGRAF (1932: 50, sub *L. subfusca*, ?belonging here); Tiranë distr.: MARKGRAF (1927: 56 f., 80 f., 163, sub *L. subfusca*, ?belonging here); MARKGRAF (1932: 38, 49, sub *L. subfusca*, ?belonging here); Elbasan distr.: MARKGRAF (1927: 163, sub *L. subfusca*, ?belonging here).

Lecanora argentata (Ach.) Malme
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139).

Lecanora bolcana (Pollini) Poelt
Mat distr.: MARKGRAF (1931: 324, sub *Lecanora muralis* var. *diffracta*).

Lecanora carpinea (L.) Vain.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 139); Mirditë distr.: MARKGRAF (1931: 323); Tiranë distr.: MARKGRAF (1927: 56 f., 163); MARKGRAF (1932: 38).

Lecanora dispersa (Pers.) Sommerf.
Mat distr.: MARKGRAF (1931: 324).

Lecanora horiza (Ach.) Linds.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140).

Lecanora intumescens (Rebent.) Rabenh.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140); Mirditë distr.: MARKGRAF (1931: 324); Korçë distr.: MARKGRAF (1931: 324); MARKGRAF (1932: 48 f.); Sarandë distr.: MURATI (1979: 98).

Lecanora polytropa (Ehrh. ex Hoffm.) Rabenh. var. *polytropa*
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140).

Lecanora pulicaris (Pers.) Ach.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140).

Lecanora silesiaca Stein
Sarandë distr.: MURATI (1979: 98).

Lecanora umbrina (Ach.) A.Massal.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140).

Lecanora varia (Hoffm.) Ach.
Kukës distr.: SZATALA & TIMKO (1926: 169).

Lecidea fuscoatra (L.) Ach. var. *fuscoatra*
Shkodër distr.: HAFELLNER & KASHTA (2003: 140).

Lecidea lapicida (Ach.) Ach. var. *pantherina* Ach.
Mat distr.: MARKGRAF (1927: 163, sub *L. p.*); Elbasan distr.: MARKGRAF (1927: 62 f., sub *L. p.*).

Lecidella achristotera (Nyl.) Hertel & Leuckert
Vlorë distr.: HAFELLNER & KASHTA (2003: 140).

Lecidella elaeochroma (Ach.) M.Choisy
Shkodër distr.: ZAHLBRUCKNER (1889: 12, sub *L. enteroleuca* var. *areolata*); Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140); Kukës distr.: SZATALA & TIMKO (1926: 164, sub *Lecidea parasema*, *L. olivacea*); Mirditë distr.: MARKGRAF (1931: 323, sub *Lecidea parasema*); Tiranë distr.: MARKGRAF (1927: 56 f., 163, sub *Lecidea olivacea*; 80 f., 163, sub *Lecidea parasema*); MARKGRAF (1932: 38, sub *Lecidea olivacea*; 49, sub *Lecidea parasema*); Korçë distr.: MARKGRAF (1931: 323, sub *Lecidea parasema*); MARKGRAF (1932: 48 f., sub *Lecidea parasema*); Vlorë distr.: HAFELLNER & KASHTA (2003: 140); Sarandë distr.: MURATI (1979: 98, sub *Lecidea parasema*).

Lecidella scabra (Taylor) Hertel & Leuckert
Shkodër distr.: HAFELLNER & KASHTA (2003: 140).

Lecidella stigmatea (Ach.) Hertel & Leuckert
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140).

Lepraria incana (L.) Ach.
Sarandë distr.: MURATI (1979: 98, sub *L. aeruginosa*).

Leptogium coralloideum (Meyen & Flot.) Vain.
Vlorë distr.: HAFELLNER & KASHTA (2003: 140).

Leptogium lichenoides (L.) Zahlbr. var. *lichenoides*
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140).

Leptogium lichenoides (L.) Zahlbr. var. *pulvinatum* (Hoffm.) Zahlbr.
Kukës distr.: SZATALA & TIMKO (1926: 162).

Leptogium microphylloides Nyl.
Vlorë distr.: HAFELLNER & KASHTA (2003: 140).

Leptogium saturninum (Dicks.) Nyl.
Mirditë distr.: MARKGRAF (1931: 323).

Letharia vulpina (L.) Hue
Dibër distr.: MARKGRAF (1931: 324); Without locality: MARKGRAF (1932: 62).

Lethariella intricata (Moris) Krog
Kukës distr.: SZATALA & TIMKO (1926: 175, sub *Usnea arboricola*); MOTYKA (1936: 41, sub *Usnea arboricola*).

**Lichenoconium lecanorae* (Jaap) D.Hawksw.
Host: *Lecanora intumescens*
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141).

**Lichenosticta alcicorniaria* (Linds.) D.Hawksw.
Host: *Cladonia furcata* (1), *Cladonia* spec. (2)
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141) (1, 2).

**Lichenostigma elongata* Nav.-Ros. & Hafellner
Host: *Lobothallia radiosa*
Kukës distr. (now Has distr.): HAFELLNER & KASHTA (2003: 141).

**Lichenostigma maureri* Hafellner
Host: *Pseudevernia furfuracea*
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141).

**Lichenostigma rouxii* Nav.-Ros., Calatayud & Hafellner
Host: *Squamarina cartilaginea*
Kukës distr. (now Has distr.): HAFELLNER & KASHTA (2003: 141).

Lobaria amplissima (Scop.) Forssell
Shkodër distr.: ZAHLBRUCKNER (1889: 8, sub *Sticta a*.); Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140).

Lobaria pulmonaria (L.) Hoffm.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140); Krujë distr.: MARKGRAF (1932: 51); MARKGRAF (1931: 323); Mat distr.: MARKGRAF (1927: 82); MARKGRAF (1932: 50); Tiranë distr.: MARKGRAF (1927: 26 f., 80 f., 162); MARKGRAF (1931: 323); MARKGRAF (1932: 37, 49); Librazdh distr.: MARKGRAF (1927: 81 f.); MARKGRAF (1932: 33, 50); Elbasan distr.: MARKGRAF (1927: 83); MARKGRAF (1932: 50); Korçë distr.: MARKGRAF (1932: 48 f.); MARKGRAF (1931: 323); Vlorë distr.: HAFELLNER & KASHTA (2003: 140).

Lobaria virens (With.) J.R.Laundon
Tiranë distr.: MARKGRAF (1927: 26 f., sub *L. herbacea*, 162, sub *L. laetevirens*); MARKGRAF (1932: 37, sub *L. herbacea*).

Lobothallia radiosa (Hoffm.) Hafellner
Shkodër distr.: HAFELLNER & KASHTA (2003: 140); Kukës distr. (now Has distr.): HAFELLNER & KASHTA (2003: 140); Mat distr.: MARKGRAF (1931: 324, sub *Lecanora r*. var. *subcircinata*); Krujë distr.: MARKGRAF (1931: 324, sub *Lecanora r*. var. *myrrhina*, ?belonging here); Without locality: MARKGRAF (1932: 69, sub *Lecanora r*. var. *myrrhina*, ?belonging here).

Megalaria grossa (Pers. ex Nyl.) Hafellner
Vlorë distr.: HAFELLNER & KASHTA (2003: 140).

Melanelixia fuliginosa (Fr. ex Duby) O.Blanco et al. ssp. *glabratula* (Lamy) J.R.Laundon
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140, sub *Melanelia f.* ssp. *g*.); Mirditë distr.: MARKGRAF (1931: 324, sub *Parmelia f*.); Tiranë distr.: MARKGRAF (1927: 163, sub *Parmelia f*.); MARKGRAF (1932: 49, sub *Parmelia f*.); Lushnjë distr.: MARKGRAF (1931: 324, sub *Parmelia f*.); MARKGRAF (1932: 56, sub *Parmelia f*.); Elbasan distr.: MARKGRAF (1927: 62 f., 80 f., sub *Parmelia f.*); MARKGRAF (1932: 59, sub *Parmelia f.*); Librazdh distr.: MARKGRAF (1927: 81 f., sub *Parmelia f.*); MARKGRAF (1932: 50, sub *Parmelia f*.); Vlorë distr.: HAFELLNER & KASHTA (2003: 140, sub *Melanelia f.* ssp. *g*.).

Melanelixia glabra (Schaer.) O.Blanco et al.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140, sub *Melanelia g*.); Kukës distr.: SZATALA & TIMKO (1926: 172, sub *Parmelia g*.); Korçë distr.: MARKGRAF (1931: 324, sub *Parmelia g*.); MARKGRAF (1932: 48 f., sub *Parmelia g*.); Vlorë distr.: HAFELLNER & KASHTA (2003: 140, sub *Melanelia g*.).

Melanelixia subaurifera (Nyl.) O.Blanco et al.
Kukës distr.: SZATALA & TIMKO (1926: 172, sub *Parmelia s*.).

Melanohalea exasperata (De Not.) O.Blanco et al.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140, sub *Melanelia e*.); Kukës distr.: MARKGRAF (1931: 324, sub *Parmelia aspidota*).

Melanohalea exasperatula (Nyl.) O.Blanco et al.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140, sub *Melanelia e*.); Kukës distr.: SZATALA & TIMKO (1926: 172, sub *Parmelia e*.).

**Muellerella pygmaea* (Körb.) D.Hawksw.
Host: cf. *Lecidella* spec.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141).

Mycobilimbia lurida (Ach.) Hafellner & Türk
Shkodër distr.: HAFELLNER & KASHTA (2003: 140); Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140); Kukës distr.: SZATALA & TIMKO (1926: 165, sub *Lecidea l*.); Kukës distr. (now Has distr.): HAFELLNER & KASHTA (2003: 140).

+*Naetrocymbe punctiformis* (Pers.) R.C.Harris
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140).

Nephroma laevigatum Ach.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140); Vlorë distr.: HAFELLNER & KASHTA (2003: 140).

Nephroma resupinatum (L.) Ach.
Shkodër distr.: ZAHLBRUCKNER (1889: 8, sub *N. tomentosum*); Mat distr.: MARKGRAF (1927: 163); Korçë distr.: MARKGRAF (1931: 323); Sarandë distr.: MURATI (1979: 98).

Ochrolechia androgyna (Hoffm.) Arnold var. *androgyna*
Vlorë distr.: HAFELLNER & KASHTA (2003: 140).

Ochrolechia pallescens (L.) A.Massal.
Kukës distr. (now Has distr.): HAFELLNER & KASHTA (2003: 140).

Ochrolechia parella (L.) A.Massal.
Without locality: HANKO et al. (1986: 186 ff.).

Ochrolechia subviridis (Høeg) Erichsen
Vlorë distr.: HAFELLNER & KASHTA (2003: 140).

**Opegrapha pulvinata* Rehm
Host: *Dermatocarpon miniatum*
Kukës distr.: HAFELLNER & KASHTA (2003: 141).

Opegrapha varia Pers.
Vlorë distr.: HAFELLNER & KASHTA (2003: 140).

Pannaria conoplea (Ach.) Bory
Elbasan distr.: MARKGRAF (1927: 162, sub *P. rubiginosa* var. *lanuginosa*).

Parmelia saxatilis (L.) Ach.
Shkodër distr.: ZAHLBRUCKNER (1889: 8, sub *Imbricaria s*.); Vlorë distr.: HAFELLNER & KASHTA (2003: 140); Sarandë distr.: MURATI (1979: 97).

Parmelia submontana Nádv. ex Hale
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140).

Parmelia sulcata Taylor
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140); Mirditë distr.: MARKGRAF (1931: 324); Mat distr.: MARKGRAF (1927: 82); MARKGRAF (1932: 50); Tiranë distr.: MARKGRAF (1927: 80 f., 163); MARKGRAF (1932: 49); Lushnjë distr.: MARKGRAF (1931: 324); MARKGRAF (1932: 56).

Parmelina pastillifera (Harm.) Hale
Shkodër distr.: HAFELLNER & KASHTA (2003: 140); Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140).

Parmelina quercina (Willd.) Hale
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140); Kukës distr.: MARKGRAF (1931: 324, sub *Parmelia q*.); Mat distr.: MARKGRAF (1927: 163, sub *Parmelia q*.).

Parmelina tiliacea (Hoffm.) Hale
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140); Lushnjë distr.: MARKGRAF (1931: 324, sub *Parmelia t*.); Vlorë distr.: OBERMAYER (2002: 25); HAFELLNER & KASHTA (2003: 140).

Peltigera horizontalis (Huds.) Baumg.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140).

Peltigera praetextata (Flörke ex Sommerf.) Zopf
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140); Tiranë distr.: MARKGRAF (1927: 80 f., 163, sub *P. canina*, ?belonging here); MARKGRAF (1931: 323); MARKGRAF (1932: 49, sub *P. canina*, ?belonging here); Korçë distr.: MARKGRAF (1931: 323).

Peltigera rufescens (Weiss) Humb.
Shkodër distr.: HAFELLNER & KASHTA (2003: 140); Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140); Kukës distr.: SZATALA & TIMKO (1926: 164, sub *P. r*. f. *incusa*); HAFELLNER & KASHTA (2003: 140).

Pertusaria albescens (Huds.) M.Choisy & Werner var. *albescens*
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140).

Pertusaria amara (Ach.) Nyl.
Kukës distr.: SZATALA & TIMKO (1926: 168); ?Mirditë distr.: MARKGRAF (1931: 323, sub *P. faginea*); Elbasan distr.: MARKGRAF (1927: 62 f.); Sarandë distr.: MURATI (1979: 98, sub *Parmelia c*.).

Pertusaria hymenea (Ach.) Schaer.
Vlorë distr.: HAFELLNER & KASHTA (2003: 140).

Pertusaria pertusa (Weigel) Tuck. var. *pertusa*
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140); Tiranë distr.: MARKGRAF (1927: 163, sub *P. communis*); Librazdh distr.: MARKGRAF (1927: 81 f., sub *P. communis*); MARKGRAF (1932: 50, sub *P. communis*); Sarandë distr.: MURATI (1979: 98).

Phaeophyscia orbicularis (Neck.) Moberg
Vlorë distr.: HAFELLNER & KASHTA (2003: 140).

Phlyctis agelaea (Ach.) Flot.
Tiranë distr.: MARKGRAF (1927: 163).

Phlyctis argena (Spreng.) Flot.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140).

**Phoma physciicola* Keissl.
Host: *Physcia stellaris*
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141).

Physcia adscendens H.Olivier [nom. cons.]
Shkodër distr.: HAFELLNER & KASHTA 2003: 140 (2003); Vlorë distr.: HAFELLNER & KASHTA (2003: 140).

Physcia aipolia (Ehrh. ex Humb.) Fürnr.
Kukës distr.: MARKGRAF (1931: 325).

Physcia biziana (A.Massal.) Zahlbr. var. *biziana*
Vlorë distr.: HAFELLNER & KASHTA (2003: 140).

Physcia biziana (A.Massal.) Zahlbr. var. *phyllidiata* Poelt & Vězda
Shkodër distr.: HAFELLNER & KASHTA (2003: 140).

Physcia caesia (Hoffm.) Fürnr. var. *caesia*
Shkodër distr.: HAFELLNER & KASHTA (2003: 140).

Physcia dubia (Hoffm.) Lettau var. *dubia*
Shkodër distr.: HAFELLNER & KASHTA (2003: 140).

Physcia leptalea (Ach.) DC.
Vlorë distr.: HAFELLNER & KASHTA (2003: 140, sub *P. semipinnata*).

Physcia stellaris (L.) Nyl.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140); Kukës distr.: SZATALA & TIMKO (1926: 178); Kukës distr. (now Has distr.): HAFELLNER & KASHTA (2003: 140).

Physcia tribacia (Ach.) Nyl.
Shkodër distr.: HAFELLNER & KASHTA (2003: 140).

Physconia distorta (With.) J.R.Laundon
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 140); Elbasan distr.: MARKGRAF (1927: 164, sub *Physcia pulverulenta*); Sarandë distr.: MURATI (1979: 98, sub *Physcia pulverulenta*).

Physconia servitii (Nádv.) Poelt
Sarandë distr.: OTTE et al. (2002: 1133).

Placidium squamulosum (Ach.) Breuss
Kukës distr.: SZATALA & TIMKO (1926: 160, sub *Dermatocarpon hepaticum*).

Placopyrenium bucekii (Nádv. & Servít) Breuss
Shkodër distr.: HAFELLNER & KASHTA (2003: 141).

Placynthiella icmalea (Ach.) Coppins & P.James
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141).

Placynthiella uliginosa (Schrad.) Coppins & P.James
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141).

Placynthium tremniacum (A.Massal.) Jatta
Shkodër distr.: HAFELLNER & KASHTA (2003: 141).

Platismatia glauca (L.) W.L.Culb. & C.F.Culb.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141); Kukës distr.: SZATALA & TIMKO (1926: 173, sub *Cetraria g.*); Mat distr.: MARKGRAF (1927: 164, sub *Cetraria g.* var. *fallax*); Dibër distr.: MARKGRAF (1931: 324, sub

Cetraria g. var. *fallax*); Korçë distr.: MARKGRAF (1931: 324, sub *Cetraria g*. var. *fallax*); MARKGRAF (1932: 48 f., sub *Cetraria g*.); Without locality: MARKGRAF (1932: 62, sub *Cetraria g*.).

Pleurosticta acetabulum (Neck.) Elix & Lumbsch
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141); Kukës distr. (now Has distr.): HAFELLNER & KASHTA (2003: 141).

**Polycoccum pulvinatum* (Eitner) R.Sant.
Host: *Physcia tribacia*
Shkodër distr.: HAFELLNER & KASHTA (2003: 141).

Protoblastenia rupestris (Scop.) J.Steiner var. *rupestris*
Tiranë distr.: MARKGRAF (1927: 164, sub *Blastenia r*.).

Protoparmeliopsis muralis (Schreb.) M.Choisy var. *muralis*
Shkodër distr.: HAFELLNER & KASHTA (2003: 141); Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141); Kukës distr.: MARKGRAF (1931: 324, sub *Lecanora m*.).

Pseudevernia furfuracea (L.) Zopf var. *furfuracea*
Shkodër distr.: ZAHLBRUCKNER (1889: 7, sub *Evernia f.*); Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141); Kukës distr.: SZATALA & TIMKO (1926: 171, sub *Parmelia f*. und var. *isidiophora*); GYELNIK (1932: 209, sub *Parmelia f*. var. *scobicina*); Mat distr.: MARKGRAF (1927: 82, 163, sub *Parmelia f.*); MARKGRAF (1932: 50, sub *Parmelia f.*); Tiranë distr.: MARKGRAF (1927: 80 f., 163, sub *Parmelia f.*); MARKGRAF (1931: 324, sub *Parmelia f*.); MARKGRAF (1932: 49, sub *Parmelia f.*); Elbasan distr.: MARKGRAF (1927: 62 f., sub *Parmelia f.*); MARKGRAF (1932: 59, sub *Parmelia f.*); Librazdh distr.: MARKGRAF (1927: 81 f., sub *Parmelia f.*); MARKGRAF (1932: 50, sub *Parmelia f.*).

Pseudevernia furfuracea (L.) Zopf var. *ceratea* (Ach.) D.Hawksw.
Dibër distr.: MARKGRAF (1931: 324, sub *Parmelia f*. var. *olivetorina*); Without locality: MARKGRAF (1932: 62, sub *Parmelia f.* var. *olivetorina*).

Pseudosagedia aenea (Wallr.) Hafellner & Kalb
Vlorë distr.: HAFELLNER & KASHTA (2003: 141).

Psora decipiens (Hedw.) Hoffm.
Shkodër distr.: ZAHLBRUCKNER (1889: 11); Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141); Kukës distr.: SZATALA & TIMKO (1926: 165, sub *Lecidea d*.); Kukës distr. (now Has distr.): HAFELLNER & KASHTA (2003: 141); Mirditë distr.: MARKGRAF (1931: 323, sub *Lecidea d*.).

Punctelia subrudecta (Nyl.) Krog
Vlorë distr.: HAFELLNER & KASHTA (2003: 141).

**Pyrenidium actinellum* Nyl.
Host: *Aspicilia* spec.
Shkodër distr.: HAFELLNER & KASHTA (2003: 141).

Ramalina calicaris (L.) Fr.
Kukës distr.: SZATALA & TIMKO (1926: 174).

Ramalina farinacea (L.) Ach. var. *farinacea*
Tiranë distr.: MARKGRAF (1927: 80 f., 164); MARKGRAF (1932: 49); Elbasan distr.: MARKGRAF (1927: 62 f., 83, 164); MARKGRAF (1932: 50, 59); Librazdh distr.: MARKGRAF (1927: 71 f., 81 f.); MARKGRAF (1932: 36); Korçë distr.: MARKGRAF (1931: 324); MARKGRAF (1932: 48 f.); Vlorë distr.: HAFELLNER & KASHTA (2003: 141).

Ramalina fastigiata (Pers.) Ach.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141).

Ramalina fraxinea (L.) Ach. var*. fraxinea*
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141); Kukës distr.: SZATALA & TIMKO (1926: 174); Korçë distr.: MARKGRAF (1931: 324); MARKGRAF (1932: 48 f.).

Ramalina pollinaria (Westr.) Ach.
Lushnjë distr.: MARKGRAF (1931: 324); MARKGRAF (1932: 56).

Rhizocarpon geographicum (L.) DC. ssp. *geographicum*
Shkodër distr.: ZAHLBRUCKNER (1889: 13); HAFELLNER & KASHTA (2003: 141); Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141); Mirditë distr.: MARKGRAF (1931: 323); Mat distr.: MARKGRAF (1927: 163); Dibër distr.: MARKGRAF (1931: 323); Elbasan distr.: MARKGRAF (1927: 62 f.); Without locality: MARKGRAF (1932: 69).

Rhizocarpon umbilicatum (Ramond) Flagey
Skrapar distr.: MARKGRAF (1931: 323, sub *R*. *calcareum*).

Rinodina exigua (Ach.) Gray
Dibër distr.: SZATALA & TIMKO (1926: 177).

Rinodina sophodes (Ach.) A.Massal.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141).

Scoliciosporum umbrinum (Ach.) Arnold var. *corticolum* (Anzi) Bagl. & Carestia
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141).

Solorina bispora Nyl. ssp. *bispora*
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141); Dibër distr.: SZATALA & TIMKO (1926: 163).

Solorina saccata (L.) Ach.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141); Kukës distr.: HAFELLNER & KASHTA (2003: 141); Dibër distr.: MARKGRAF (1931: 323); Vlorë distr.: HAFELLNER & KASHTA (2003: 141).

Squamarina cartilaginea (With.) P.James
Shkodër distr.: HAFELLNER & KASHTA (2003: 141); Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141); Kukës distr.: HAFELLNER & KASHTA (2003: 141); Kukës distr. (now Has distr.): HAFELLNER & KASHTA (2003: 141);

Squamarina gypsacea (Sm.) Poelt
Shkodër distr.: ZAHLBRUCKNER (1889: 10, sub *Psoroma g*.); Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141); Kukës distr.: SZATALA & TIMKO (1926: 170, sub *Lecanora g*.); Mirditë distr.: MARKGRAF (1931: 324, sub *Lecanora fragilis*).

**Syzygospora physciacearum* Diederich
Host: *Physcia biziana*
Vlorë distr.: HAFELLNER & KASHTA (2003: 141).

**Telogalla olivieri* (Vouaux) Nik.Hoffm. & Hafellner
Host: *Xanthoria parietina*
Shkodër distr.: HAFELLNER & KASHTA (2003: 141).

Tephromela atra (Huds.) Hafellner var. *torulosa* (Flot.) Hafellner
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141).

Toninia candida (Weber) Th.Fr.
Kukës distr. (now Has distr.): HAFELLNER & KASHTA (2003: 141); Dibër distr.: SZATALA & TIMKO (1926: 165);

Toninia physaroides (Opiz) Zahlbr.
Kukës distr.: HAFELLNER & KASHTA (2003: 141).

Toninia sedifolia (Scop.) Timdal
Dibër distr.: SZATALA & TIMKO (1926: 165, sub *T. coeruleonigricans*).

**Unguiculariopsis thallophila* (P.Karst.) W.Y.Zhuang
Host: *Lecanora carpinea*
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141).

Usnea articulata (L.)Hoffm.
Tiranë distr.: MARKGRAF (1931: 324); Without locality: MARKGRAF (1932: 45).

Usnea florida (L.) Weber ex F.H.Wigg. ssp. *florida*
Shkodër distr.: ZAHLBRUCKNER (1889: 6, sub *U. barbata* var. *f.*).

Usnea hirta (L.) Weber ex F.H.Wigg.
Lushnjë distr.: MARKGRAF (1931: 324); MARKGRAF (1932: 56)

Usnea rubicunda Stirt.
Lushnjë distr.: HILLMANN (1930: 290, sub *U. hirta* var. *fuscorubens*); MARKGRAF (1931: 324, sub *U. hirta* var. *fuscorubens*); MARKGRAF (1932: 56, sub *U. hirta* var. *fuscorubens*); MOTYKA (1937: 341, sub *U. r.* var. *primaria*).

Verrucaria marmorea (Scop.) Arnold
Shkodër distr.: HAFELLNER & KASHTA (2003: 141); Halda (2003: 113).

Verrucaria nigrescens Pers.
Shkodër distr.: HAFELLNER & KASHTA (2003: 141).

Xanthomendoza fulva (Hoffm.) Søchting, Kärnefelt & S.Kondr.
Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141, sub *Xanthoria f.*).

Xanthoparmelia conspersa (Ehrh. ex Ach.) Hale
Mirditë distr.: MARKGRAF (1931: 324, sub *Parmelia c.*); Mat distr.: MARKGRAF (1931: 324, sub *Parmelia c.*).

Xanthoparmelia pulla (Ach.) O.Blanco et al. var. *pulla*
Shkodër distr.: HAFELLNER & KASHTA (2003: 140, sub *Neofuscelia p.* var. *p.*); Kukës distr. (now Has distr.): HAFELLNER & KASHTA (2003: 140, sub *Neofuscelia p.* var. *p.*).

Xanthoparmelia stenophylla (Gyeln.) Ahti & D.Hawksw.
Shkodër distr.: HAFELLNER & KASHTA (2003: 141, sub *X. somloensis*).

Xanthoparmelia tinctina (Maheu & A.Gillet) Hale
Shkodër distr.: HAFELLNER & KASHTA (2003: 141).

Xanthoparmelia verruculifera (Nyl.) O.Blanco et al.
Sarandë distr.: MURATI (1979: 97, sub *Parmelia v.*).

Xanthoria calcicola Oksner
Shkodër distr.: Shkodër distr.: HAFELLNER & KASHTA (2003: 141).

Xanthoria candelaria (L.) Th.Fr.
Dibër distr.: SZATALA & TIMKO (1926: 177).

Xanthoria elegans (Link) Th.Fr. var. *elegans*
Kukës distr.: SZATALA & TIMKO (1926: 176, sub *Caloplaca e*.); Kukës distr. (now Has distr.): HAFELLNER & KASHTA (2003: 141); Dibër distr.: SZATALA & TIMKO (1926: 176, sub *Caloplaca e*.); Sarandë distr.: MURATI (1979: 97, sub *Caloplaca e*.).

Xanthoria papillifera (Vain.) Poelt
Shkodër distr.: HAFELLNER & KASHTA (2003: 141).

Xanthoria parietina (L.) Th.Fr.
Shkodër distr.: HAFELLNER & KASHTA (2003: 141); Shkodër distr. (now Malësi e Madhe distr.): HAFELLNER & KASHTA (2003: 141); Kukës distr.: MARKGRAF (1931: 324); Korçë distr.: MARKGRAF (1931: 324); Vlorë distr.: HAFELLNER & KASHTA (2003: 141); Sarandë distr.: MURATI (1979: 98).

**Zwackhiomyces sphinctrinaeformis* Grube & Hafellner
Host: *Mycobilimbia lurida*
Shkodër distr.: HAFELLNER & KASHTA (2003: 141).

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