

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

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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. alpicornis*; 163, sub *C. f.* var. *alpicornis*); MARKGRAF (1932: 23 f., sub *C. alpicornis*).

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*); Librazhdh 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 achrostotera (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 stigmatia (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 microphyllodes 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*).

**Lichenocodium 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 radiosia*

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: *Squamaria cartilaginea*

Kukës distr. (now Has distr.): HAFELLNER & KASHTA (2003: 141).

Lobaria amplissima (Scop.) Forssell

Shkodër distr.: ZAHLEBRUCKNER (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); Librazhd 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 radiosia (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.); Librazhd 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.) Fűrnr.

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.) Fűrnr. 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 (Schrader) 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).

**Teloggalla 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 carpineae*

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.: ZAHLEBRUCKNER (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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References

[Citations in brackets do not contain lichen records from Albania within the borders of today but only within borders of historical times. The mentioned localities given there as “Albanian” are now mostly situated either in Macedonia or in Kosovo].

GYELNIK V. 1932: Additamenta ad cognitionem Parmeliarum. III. Continuatio secunda. – Repertorium Specierum Novarum Regni Vegetabilis 30: 209–226.

HAFELLNER J. & KASHTA L. 2003: Miscellaneous records of lichens and lichenicolous fungi from Albania. – Herzogia 16: 135–142.

HALDA J. 2003: A taxonomic study of the calicolous endolithic species of the genus *Verrucaria* (Ascomycotina, Verrucariales) with the lid-like and radiately opening involucrellum. – Acta Musei Richnoviensis Sect. Nat. 10(1): 1–148.

HANKO B., LEUCKERT C. & AHTI T. 1986: Beiträge zur Chemotaxonomie der Gattung *Ochrolechia* (Lichenes) in Europa. – Nova Hedwigia 42: 165–199.

HILLMANN J. 1930: Einige Bemerkungen über die roten Usneen. – Repertorium Specierum Novarum Regni Vegetabilis 27: 287–291.

[KÖRBER G. W. 1867. Lichenen aus Istrien, Dalmatien u. Albanien. – Verhandlungen der kaiserlich-königlichen zoologisch-botanischen Gesellschaft in Wien 17: 611–618.]

- MARKGRAF F. 1927: An den Grenzen des Mittelmeergebietes. Pflanzengeographie von Mittelalbanien. – Repertorium Specierum Novarum Regni Vegetabilis, Beiheft 45: 1–217, Vegetationskarte.
- MARKGRAF F. 1931: Pflanzen aus Albanien 1928. – Denkschriften der Akademie der Wissenschaften in Wien, Mathematisch-Naturwissenschaftliche Klasse, 102: 317–360, tab.
- MARKGRAF F. 1932: Pflanzengeographie von Albanien. Ihre Bedeutung für Vegetation und Flora der Mittelmeerländer. – Bibliotheca Botanica 26(105): 1–132, tab., Vegetationskarte.
- MOTYKA J. 1936–1938: Lichenum generis *Usnea* studium monographicum. Pars systematica. – Leopoli. (I: 1–304, 1936; II(1): 305–560, 1937; II(2): 561–651, (I)–IV, 1938).
- MURATI M. 1979: Kontribut rreth njohjes së likenoflorës të Butrintit. – Buletini i Shkencave të Natyrës, Tirane 3: 97–99.
- OBERMAYER W. 2002: Dupla Graecensia Lichenum (2002). – Fritschiana 33: 15–31.
- OTTE V., ESSLINGER T. L. & LITTERSKI B. 2002: Biogeographical research on European species of the lichen genus *Physconia*. – Journal of Biogeography 29: 1125–1141.
- [RECHINGER K. H. 1935: Ergebnisse einer botanischen Reise in den Bertiscus (Nordalbanische Alpen). – Repertorium Specierum Novarum Regni Vegetabilis 38: 137–152, 319–389.]
- [RECHINGER K. 1914: Beiträge zur Kryptogamenflora der Insel Korfu nebst einigen Standorten von der albanischen Küste. – Verhandlungen der kaiserlich-königlichen zoologisch-botanischen Gesellschaft in Wien 64: 140–149.]
- [ROPIN K. & MAYRHOFER H. 1993: Zur Kenntnis corticoler Arten der Flechtengattung *Rinodina* in den Ostalpen und angrenzenden Gebieten. – Herzogia 9: 779–835.]
- [STEIN W. 1883. Über einige Flechten aus dem altserbischen Balkan. – Jahresbericht der Schlesischen Gesellschaft für vaterländische Cultur 61: 193. (title reconstructed from the text)]
- SZATALA Ö. & TIMKO G. 1926. Adatok Albánia flórájához. – Additamenta ad floram Albaniae. IV. Lichenes. – Magyar Tudományos Akadémia Balkán-Kutatásainak Tudományos Eredményei 3: 159–179.
- ZAHLBRUCKNER A. 1889. Lichenes. – In: BECK G. & SZYSZYLOWICZ I.: Plantas a Dr. Ign. Szyszyłowicz in itinere per Cernagoram et in Albania adiacenti anno 1886 lectas. – Rozprawy i Sprawozdania z Posiedzen Wydziału Matematyczno-Przyrodniczego Akademii Umiejetnosci 19: 6–14.
- [ZAHLBRUCKNER A. 1897. Lichenes albanici a cl. J. Dörfler anno 1893 lecti. – Repertorium für Kryptogamische Literatur, Beiblatt zur „Hedwigia“ 36: (1)–(4).]

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