

# Additions and corrections to the “Catalogue of Lichenized and Lichenicolous Fungi from Bosnia and Herzegovina”

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## Summary

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The additions are based on an evaluation of 53 published sources concerning Bosnia and Herzegovina and on unpublished herbarium specimens. The actual lichen biota of the country includes 648 species (with 4 subspecies and 14 varieties) of lichenized, 13 non-lichenized or doubtfully lichenized, and 26 lichenicolous fungi.

## 1. Introduction

This paper lists lichenized and lichenicolous fungi from 53 references and 39 unpublished herbarium specimens including a small but interesting very recent collection from the Vranica Mountain. The bibliography comprises a diversity of papers, but mainly floristic and taxonomic treatments that cite specimens from Bosnia and Herzegovina. Three taxa were overlooked in the catalogue of BILOVITZ & MAYRHOFER 2011 and 9 have been published since that time. After a critical evaluation of the catalogue 15 taxa which were previously synonymized are resurrected while 11 are judged as being erroneous for the country. Four species are transferred to non-lichenized or doubtfully lichenized fungi. Thirteen taxa are records which are based on previously unrecorded herbarium specimens.

This paper is a further contribution to a lichen biodiversity inventory of Bosnia and Herzegovina and the Balkan Peninsula. The aim is to stimulate further field observations in the country. Current checklists dealing with the lichenized and lichenicolous fungi of the Balkan Peninsula include those for Albania (HAFELLNER 2007), Bulgaria (MAYRHOFER & al. 2005), Croatia (MAYRHOFER & al. 2018), Greece (ABBOTT 2009), Kosovo (MAYRHOFER & al. 2016), Montenegro (KNEŽEVIĆ & MAYRHOFER 2009), North Macedonia (MAYRHOFER & al. 2013), Serbia (SAVIĆ & TIBELL 2006), and Slovenia (SUPPAN & al. 2000). Additions

are available for Albania (SVOBODA & al. 2012), Greece (ARCADIA 2019), North Macedonia (MALÍČEK & MAYRHOFER 2017), Slovenia (MAYRHOFER 2006), and for Montenegro (KNEŽEVIĆ & MAYRHOFER, submitted for publication).

## 2. Methods and arrangement

The genera and species within each genus are arranged alphabetically. For each taxon, the citations are provided in chronological order. Taxonomic judgements were avoided. Additional ecological and distributional information for many taxa may be obtained from NIMIS 2016 and NIMIS & al. 2018.

The nomenclature follows NIMIS & al. 2018 and for taxa not occurring in the Alps NIMIS 2016. In the case of nomenclatural changes, citations are followed by the name used in the original publication in brackets. The authors of taxa follow NIMIS & al. 2018. New records for the country are marked with an asterisk. The specimens cited are kept in the herbarium GZU, a few in the KALB herbarium (now in WIS) and two in W.

## 3. Lichenized fungi

*Acarospora cervina* A. MASSAL.

MAGNUSSON 1929: 247.

*Acarospora glaucocarpa* (ACH.) KÖRB.

MAGNUSSON 1929: 237; DVOŘÁK 1946: 27.

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\*) Printed issue published ## ### ####

- Acolium inquinans* (SM.) A. MASSAL.  
KEISSLER 1938: 743 (*Cyphelium i. f. minor*);  
DVOŘÁK 1946: 27.
- Acrocordia gemmata* (ACH.) A. MASSAL.  
DVOŘÁK 1946: 27.
- Alectoria ochroleuca* (HOFFM.) A. MASSAL.  
KUŠAN 1936b: 195.
- Alyxoria varia* (PERS.) ERTZ & TEHLER  
DVOŘÁK 1946: 31 (*Opegrapha diaphora*).
- Anaptychia ciliaris* (L.) FLOT.  
DVOŘÁK 1946: 27; OZIMEC 2015: 39.
- Arthonia calcarea* (TURNER ex SM.) ERTZ &  
DIEDERICH  
DVOŘÁK 1946: 31 (*Opegrapha c.*).
- Arthonia radiata* (PERS.) ACH.  
DVOŘÁK 1946: 27.
- Aspicilia calcarea* (L.) BAGL.  
DVOŘÁK 1946: 29 (*Lecanora c.*); OZIMEC 2015: 39.  
– Insel Mljet, bei Velji Grad, 400 m, 4.1972, K. KALB  
19611, 10621 (WIS).
- Aspicilia reagens* (ZAHLEBR.) CL. ROUX & M. BER-  
TRAND  
DVOŘÁK 1946: 29 (*Lecanora calcarea* var. *rea-*  
*gens*); BILOVITZ & MAYRHOFER 2011: 6 (*A. calcarea* var.  
*reagens*).
- Bacidia rubella* (Hoffm.) A. MASSAL.  
DVOŘÁK 1946: 27.
- Bacidina phacodes* (KÖRB.) VĚZDA  
DVOŘÁK 1946: 27 (*Bacidia albescens*).
- Bagliettoa marmorea* (SCOP.) GUEIDAN & CL. ROUX  
DVOŘÁK 1946: 33 (*Verrucaria m.*); OZIMEC 2015:  
41 (*Verrucaria m.*).
- Bagliettoa parmigerella* (ZAHLEBR.) VĚZDA &  
POELT  
DVOŘÁK 1946: 33 (*Verrucaria sphinctrinella*).
- \* *Bellemeria cinereorufescens* (ACH.) CLAU-  
ZADE & CL. ROUX  
VIERHAPPER 1906: 41 (*Lecanora* (Sect. *Aspicilia*)  
*cinereo-rufescens*); KUŠAN 1936b: 188 (*Lecanora c.*);  
KUŠAN 1953: 359 (*Lecanora c.*); MURATI 1992: 105  
(*Lecanora c.*); BILOVITZ & MAYRHOFER 2011: 8 (*B. di-*  
*amarta*).
- Biatora globulosa* (FLÖRKE) FR.  
DVOŘÁK 1946: 27 (*Biatorina g.*).
- \**Biatora ocelliformis* (NYL.) ARNOLD  
Sutjeska National Park, virgin forest Perućica,  
5.10.2008, P.O. BILOVITZ 3739 (GZU).
- Brodoa intestiniformis* (VILL.) GOWARD  
KUŠAN 1936b: 193 (*Parmelia encausta*). – Vrani-  
ca Mountain, 2017, E. MAŠIĆ (GZU).
- Bryoria capillaris* (ACH.) BRODO & D. HAWKSW.  
DVOŘÁK 1946: 27 (*Alectoria implexa*).
- Bryoria chalybeiformis* (L.) BRODO & D. HAWKSW.  
KEISSLER 1958: 132 (*Alectoria c. f. prostratoste-*  
*ola*).
- Bryoria fuscescens* (GYELN.) BRODO & D. HAWKSW.  
DVOŘÁK 1946: 27 (*Alectoria jubata*); REDŽIĆ & al.  
2010: 180.
- \**Bryoria glabra* (MOTYKA) BRODO & D. HAWKSW.  
OZIMEC 2015: 39.
- Bryoria implexa* (HOFFM.) BRODO & D. HAWKSW.  
OZIMEC 2015: 39.
- Buellia disciformis* (FR.) MUDD  
DVOŘÁK 1946: 27 (*B. parasema*).
- Calicium salicinum* PERS.  
Prenj Mountain, in valle angusta Boračko jeze-  
ro et montem summum Prenj, *Abies*, 21.7.1979, A.  
VĚZDA (WIS).
- Calicium viride* PERS.  
DVOŘÁK 1946: 27 (*C. hyperellum*).
- \**Caloplaca albopruinosa* (ARNOLD) H. OLIVIER  
ZAHLEBRUCKNER 1889: 353 (*C. agardhiana*); ZAHLE-  
BRUCKNER 1890: 28 (*C. agardhiana*); ZAHLEBRUCKNER  
1895: 602 (*C. agardhiana*); SZATALA 1930: 22 (*C. agar-*  
*dhiana, C. agardhiana f. alpina*); KUŠAN 1931: 16  
(*C. agardhiana*); SERVÍT 1934: 148 (*Blastenia agar-*  
*dhiana, C. agardhiana*); KUŠAN 1953: 501 (*C. agar-*  
*dhiana*), 502 (*C. agardhiana f. alpina*); BILOVITZ &  
MAYRHOFER 2011: 10 (*C. alociza*).
- Caloplaca australis* (ARNOLD) ZAHLEBR.  
LETTAU 1958: 28.
- Caloplaca cerina* (HEDW.) Th. FR.  
DVOŘÁK 1946: 27.
- Caloplaca chalybaea* (FR.) MÜLL. ARG.  
DVOŘÁK 1946: 28.
- Caloplaca ferruginea* (HUDS.) Th. FR.  
DVOŘÁK 1946: 28 (*C. f. f. corticola*).

- Caloplaca ochracea* (SCHAER.) TH. FR.  
DVOŘÁK 1946: 29 (*Gyalolechia o.*).
- \**Caloplaca pusilla* (A. MASSAL.) ZAHLBR.  
ZAHLBRUCKNER 1889: 353 (*C. p.* var. *turgida*);  
ZAHLBRUCKNER 1890: 23 (*C. p.* var. *turgida*); KUŠAN  
1953: 537 (*C. tegularis* var. *turgida*); BILOVITZ &  
MAYRHOFER 2011: 12 (*C. saxicola*).
- Caloplaca pyracea* (ACH.) ZWACKH  
DVOŘÁK 1946: 28.
- Caloplaca saxicola* (HOFFM.) NORDIN  
OZIMEC 2015: 39.
- Caloplaca variabilis* (PERS.) TH. FR.  
OZIMEC 2015: 39.
- Caloplaca velana* (A. MASSAL.) DU RIETZ  
DVOŘÁK 1946: 27 (*C. austriaca* var. *diffracta*).
- Candelaria concolor* (DICKS.) STEIN  
DVOŘÁK 1946: 28.
- Candelariella aurella* (HOFFM.) ZAHLBR.  
OZIMEC 2015: 39.
- Candelariella reflexa* (NYL.) LETTAU  
OZIMEC 2015: 39.
- Candelariella vitellina* (HOFFM.) MÜLL. ARG.  
Vranica Mountain near lake Prokoško,  
43°57'27.29" N / 17°45'21.21" E, 1641 m, 15.4.2017,  
E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Catinaria atropurpurea* (SCHAER.) VĚZDA & POELT  
DVOŘÁK 1946: 27 (*Biatorina a.*).
- Cetraria islandica* (L.) ACH.  
REDŽIĆ & al. 2010: 180; OZIMEC 2015: 39; BA-  
RUDANOVIĆ & al. 2017: 109. – Vranica Mountain along  
mountain road to Krstac, 43°57'14.24" N /  
17°45'32.40" E, 1674 m; same locality, 43°57'07.06"  
N / 17°45'29.57" E, 1725 m, 15.4.2017, E. MAŠIĆ &  
S. BARUDANOVIĆ (GZU).
- Cetrelia cetrarioides* (DELISE ex DUBY) W. L.  
CULB. & C. F. CULB.  
DVOŘÁK 1946: 31 (*Parmelia c.*); OZIMEC 2015: 39.
- Cetrelia monachorum* (ZAHLBR.) W. L. CULB. &  
C. F. CULB.  
OZIMEC 2015: 39.
- Chaenotheca brunneola* (ACH.) MÜLL. ARG.  
Prenj Mountain, in valle angusta Boračko jeze-  
ro et montem summum Prenj, *Abies*, 25.7.1979, A.  
VĚZDA (Herb. KALB 8683, WIS).
- \**Cladonia cervicornis* (ACH.) FLOT. subsp. *cervi-  
cornis*  
BURGAZ & PINO-BODAS 2012: 14.
- \**Cladonia cervicornis* subsp. *verticillata*  
(HOFFM.) AHTI  
Vranica Mountain, conifer forest near peatland,  
43°57'26.86" N / 17°45'31.40" E, 1629 m, 15.4.2017,  
E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Cladonia chlorophaea* (FLÖRKE ex SOMMERF.)  
SPRENG.  
BURGAZ & PINO-BODAS 2012: 14; OZIMEC 2015: 39.
- Cladonia coniocraea* (FLÖRKE) SPRENG.  
BURGAZ & PINO-BODAS 2012: 14; OZIMEC 2015: 39.
- \**Cladonia conista* (NYL.) ROBBINS  
BURGAZ & PINO-BODAS 2012: 14.
- Cladonia deformis* (L.) HOFFM.  
DVOŘÁK 1946: 28.
- Cladonia fimbriata* (L.) FR.  
BURGAZ & PINO-BODAS 2012: 15; OZIMEC 2015: 39.
- Cladonia foliacea* (HUDS.) WILLD.  
BURGAZ & PINO-BODAS 2012: 15; OZIMEC 2015: 39  
(*C. convoluta*); PINO-BODAS & al. 2018: 279; HAFELL-  
NER & MAYRHOFER: in press (*C. convoluta*).
- Cladonia furcata* (HUDS.) SCHRAD.  
DVOŘÁK 1946: 28 (*C. f. f. foliosa*); BURGAZ & PINO-  
BODAS 2012: 15; OZIMEC 2015: 39. – Vranica Moun-  
tain, conifer forest near peatland, 43°57'26.86" N /  
17°45'31.40" E, 1629 m, 15.4.2017, E. MAŠIĆ & S. BA-  
RUDANOVIĆ (GZU).
- \**Cladonia macroceras* (DELISE) HAV.  
KUŠAN 1936a: 241 (*C. elongata*); KUŠAN 1953:  
304 (*C. elongata*); BILOVITZ & MAYRHOFER 2011: 16 (*C.  
gracilis*).
- \**Cladonia mitis* SANDST.  
Vranica Mountain along mountain road to  
Krstac, 43°57'07.06" N / 17°45'29.57" E, 1725 m,  
15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- \**Cladonia ochrochlora* FLÖRKE  
ZAHLBRUCKNER 1895: 599; KUŠAN 1953: 313;  
MURATI 1992: 173; BILOVITZ & MAYRHOFER 2011: 15  
(*C. coniocraea*); BARUDANOVIĆ & al. 2017: 109.
- \**Cladonia phyllophora* HOFFM.  
BURGAZ & PINO-BODAS 2012: 16.

- \**Cladonia pleurota* (FLÖRKE) SCHAER.  
Vranica Mountain near lake Prokoško, 43°57'27.29" N / 17°45'21.21" E, 1641 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Cladonia pocillum* (ACH.) GROGNOT  
DVOŘÁK 1946: 28 (*C. pyxidata* var. *pocillum*, *C. pyxidata* var. *pocillum* f. *macrophylla*); BURGAZ & PINO-BODAS 2012: 16; OZIMEC 2015: 39.
- Cladonia polydactyla* (FLÖRKE) SPRENG.  
DVOŘÁK 1946: 28 (*C. macilenta* f. *polydactyla*).
- \**Cladonia pulvinella* S. HAMMER  
BURGAZ & PINO-BODAS 2012: 16.
- Cladonia pyxidata* (L.) HOFFM.  
DVOŘÁK 1946: 28; BURGAZ & PINO-BODAS 2012: 17; OZIMEC 2015: 39; BARUDANOVIĆ & al. 2017: 91, 109. – Vranica Mountain near lake Prokoško, 43°57'27.29" N / 17°45'21.21" E, 1641 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Cladonia rangiferina* (L.) F. H. WIGG.  
BARUDANOVIĆ & al. 2017: 109.
- Cladonia rangiformis* HOFFM.  
BURGAZ & PINO-BODAS 2012: 17.
- \**Cladonia subcariosa* NYL.  
BURGAZ & PINO-BODAS 2012: 17.
- \**Cladonia subrangiformis* SANDST.  
BURGAZ & PINO-BODAS 2012: 17, 18; PINO-BODAS & al. 2015: 291; ZHURBENKO & PINO-BODAS 2017: 205.
- Cladonia symphycarpa* (FLÖRKE) FR.  
BURGAZ & PINO-BODAS 2012: 18; PINO-BODAS & al. 2012: 124; PINO-BODAS & al. 2018: 279.
- Collema flaccidum* (ACH.) ACH.  
DVOŘÁK 1946: 32 (*Synechoblastus flaccidus*).
- Collema nigrescens* (HUDS.) DC.  
DVOŘÁK 1946: 32 (*Synechoblastus vespertilio*).
- Dermatocarpon miniatum* (L.) W. MANN  
OZIMEC 2015: 39.
- Diploicia canescens* (DICKS.) A. MASSAL.  
SUZA 1950: 16 (*Buellia* c.).
- Diploschistes scruposus* (SCHREB.) NORMAN  
Vranica Mountain near lake Prokoško, 43°57'30.28" N / 17°45'27.93" E, 1631 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Enchylium tenax* (Sw.) GRAY (syn. *Collema t.*)  
Vranica Mountain along mountain road to Krstac, 43°57'16.94" N / 17°45'28.54" E, 1663 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Evernia divaricata* (L.) ACH.  
DVOŘÁK 1946: 30 (*Letharia d.*); OZIMEC 2015: 40.
- Evernia prunastri* (L.) ACH.  
DVOŘÁK 1946: 29; MOXHAM 1981: 36; REDŽIĆ & al. 2010: 180; OZIMEC 2015: 40; RAMIĆ & al. 2019a: 224; HAFELLNER & MAYRHOFER: in press.
- Farnoldia hypocrita* (A. MASSAL.) FRÖBERG  
DVOŘÁK 1946: 30 (*Lecidea lithospersa*).
- Flavoparmelia caperata* (L.) HALE  
OZIMEC 2015: 40; HAFELLNER 2018: 487.
- Fuscidea stiriaca* (A. MASSAL.) HAFELLNER  
MAGNUSSON 1925: 29 (*Lecidea rivulosa* var. *corticola*); DVOŘÁK 1946: 27 (*Biatora rivulosa* f. *corticola*).
- \**Graphis pulverulenta* (PERS.) ACH.  
ZAHLEBRUCKNER 1890: 43 (*G. scripta* f. *pulverulenta*); HANDEL-MAZZETTI & al. 1905: 354 (*G. scripta* var. *serpentina*); SZATALA 1930: 7 (*G. scripta* var. *pulverulenta*); KUŠAN 1953: 127 (*G. scripta* var. *abietina*), 128 (*G. scripta* var. *pulverulenta*, *G. scripta* var. *serpentina*); CHRISTENSEN 1994: 445 (*G. scripta* var. *serpentina*); BILOVITZ & MAYRHOFER 2011: 22 (*G. scripta*).
- Graphis scripta* (L.) ACH.  
DVOŘÁK 1946: 29.
- \**Gyalecta foveolaris* (ACH.) SCHAER.  
DVOŘÁK 1946: 29.
- Gyalolechia subbracteata* (NYL.) SÖCHTING, FRÖDÉN & ARUP (syn. *Fulgensia s.*)  
POELT 1965: 605 (*Fulgensia s.*).
- Hypogymnia physodes* (L.) NYL.  
DVOŘÁK 1946: 31 (*Parmelia p.*); HUREMOVIĆ & al. 2010: 107; HUREMOVIĆ & al. 2015: 37; OZIMEC 2015: 40; HUREMOVIĆ & al. 2017: 1049; HAFELLNER 2018: 489; RAMIĆ & al. 2019b: 764.
- Hypogymnia tubulosa* (SCHAER.) HAV.  
OZIMEC 2015: 40.
- Icmadophila ericetorum* (L.) ZAHLEBR.  
DVOŘÁK 1946: 29 (*I. aeruginosa*).
- Lathagrium auriforme* (WITH.) OTÁLORA, P. M. JØRG. & WEDIN (syn. *Collema a.*)  
DVOŘÁK 1946: 29 (*Collema auriculatum*).

- Lathagrium cristatum* (L.) OTÁLORA, P. M. JØRG. & WEDIN var. *cristatum* (syn. *Collema c.*)  
OZIMEC 2015: 39 (*Collema c.*)
- \**Lathagrium cristatum* var. *marginale* (HUDS.) ined.  
ZAHLEBRUCKNER 1886: 307 (*Collema multifidum*); ZAHLEBRUCKNER 1890: 47 (*Collema multifidum*); BRANDIS 1891: 78 (*Collema multifidum*); PROTIC 1903: 301 (*Collema multifidum*); HANDEL-MAZZETTI & al. 1905: 353 (*Collema multifidum*); DVOŘÁK 1923: 8 (*Collema multifidum*); SZATALA 1930: 9 (*Collema multifidum*, *Collema multifidum* var. *marginale*); KUŠAN 1931: 4 (*Collema multifidum*); DVOŘÁK 1946: 29 (*Collema multifidum*); KUŠAN 1953: 169 (*Collema multifidum*), 170 (*Collema multifidum* var. *marginale*); BILOVITZ & MAYRHOFER 2011: 17 (*Collema cristatum*); OZIMEC 2015: 39 (*Collema multifidum*).
- Lathagrium undulatum* (LAURER ex FLOT.) POETSCH (syn. *Collema u.*)  
DVOŘÁK 1946: 29 (*Collema u.*)
- Lecanora allophana* (ACH.) NYL.  
DVOŘÁK 1946: 29.
- Lecanora argentata* (ACH.) MALME  
DVOŘÁK 1946: 29; OZIMEC 2015: 40.
- Lecanora carpinea* (L.) VAIN.  
DVOŘÁK 1946: 29 (*L. angulosa*).
- Lecanora chlarotera* NYL.  
OZIMEC 2015: 40.
- Lecanora circumborealis* BRODO & VITIK.  
Vranica Mountain near lake Prokoško, 43°57'27.29" N / 17°45'21.21" E, 1641 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Lecanora glabrata* (ACH.) NYL.  
DVOŘÁK 1946: 30.
- \**Lecanora horiza* (ACH.) LINDS.  
OZIMEC 2015: 40.
- Lecanora intumescens* (REBENT.) RABENH.  
DVOŘÁK 1946: 30.
- Lecanora polytropa* (HOFFM.) RABENH.  
Vranica Mountain near lake Prokoško, 43°57'27.29" N / 17°45'21.21" E, 1641 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Lecanora pulicaris* (Pers.) Ach.  
OZIMEC 2015: 40.
- Lecanora rupicola* (L.) ZAHLEBR.  
HAFELLNER 2018: 485. – Vranica Mountain near lake Prokoško, 43°57'27.29" N / 17°45'21.21" E, 1641 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- \**Lecidea grisella* FLÖRKE  
KUŠAN 1931: 6 (*L. g. f. mosigii*, *L. g. f. subecrustacea*); KUŠAN 1953: 225 (*L. g. f. mosigii*, *L. g. f. subecrustacea*); BILOVITZ & MAYRHOFER 2011: 27 (*L. fuscoatra*).
- Lecidea lapicida* (ACH.) Ach. var. *lapicida*  
Vranica Mountain along mountain road to Krstac, 43°57'16.94" N / 17°45'28.54" E, 1663 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Lecidea lapicida* var. *pantherina* (HOFFM.) Ach.  
Vranica Mountain near lake Prokoško, 43°57'27.29" N / 17°45'21.21" E, 1641 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Lecidella carpathica* KÖRB.  
Vranica Mountain near lake Prokoško, 43°57'27.29" N / 17°45'21.21" E, 1641 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Lecidella elaeochroma* (ACH.) M. CHOISY  
DVOŘÁK 1946: 30 (*Lecidea parasema* var. *olivacea*); OZIMEC 2015: 40.
- Lecidella laureri* (HEPP) KÖRB.  
DVOŘÁK 1946: 30 (*Lecidea l.*).
- Lepra albescens* (HUDS.) HAFELLNER (syn. *Pertusaria a.*)  
DIBBEN 1980: 42 (*Pertusaria a.*); OZIMEC 2015: 40 (*Pertusaria a.*).
- Lepra amara* (ACH.) HAFELLNER (syn. *Pertusaria a.*)  
OZIMEC 2015: 40 (*Pertusaria a.*).
- \**Lepraria alpina* (B. de LESD.) TRETJACH & BARUFFO  
Vranica Mountain along mountain road to Krstac, 43°57'16.94" N / 17°45'28.54" E, 1663 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Leptogium saturninum* (DICKS.) NYL.  
DVOŘÁK 1946: 30.
- Lobaria pulmonaria* (L.) HOFFM.  
LETTAU 1914: 36; DVOŘÁK 1946: 30; REDŽIĆ & al. 2010: 180; SCHEIDEGGER & al. 2012: 2225, 2226, 2228; PEJIN & al. 2012: 3261; PEJIN & al. 2014: 8257; PEJIN & al. 2017: S1241; HAFELLNER 2018: 486
- Lobothallia radiosa* (HOFFM.) HAFELLNER  
KUŠAN 1934: 62 (*Lecanora r.* subsp. *circinata*); OZIMEC 2015: 40.

- Melanelixia fuliginosa* (Fr. ex DUBY) O. BLANCO & al.  
HAWKSWORTH & al. 2011: 641.
- Melanelixia glabra* (SCHAER.) O. BLANCO & al.  
DVOŘÁK 1946: 31 (*Parmelia g.*). – Vranica Mountain near lake Prokoško, 43°57'30.28" N / 17°45'27.93" E, 1631 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Melanelixia glabratula* (LAMY) SANDLER & ARUP  
OZIMEC 2015: 40 (*M. fuliginosa* subsp. *glabratula*)
- Melanohalea laciniatula* (FLAGEY ex H. OLIVIER) O. BLANCO & al.  
OTTE & al. 2005: 1230 (*Melanelia l.*).
- \**Micarea misella* (NYL.) HEDL.  
Vranica Mountain near lake Prokoško, 43°57'27.29" N / 17°45'21.21" E, 1641 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Montanelia soredata* (ACH.) DIVAKAR & al.  
KUŠAN 1936b: 194 (*Parmelia s.*).
- Mycobilimbia pilularis* (KÖRB.) HAFELLNER & TÜRK  
DVOŘÁK 1946: 27 (*Bilimbia sphaeroides*).
- Mycobilimbia tetramera* (DE NOT.) VITIK. & al. ex HAFELLNER & TÜRK  
DVOŘÁK 1946: 27 (*Bacidia obscurata*).
- Mycoblastus sanguinarius* (L.) NORMAN  
DVOŘÁK 1946: 31.
- Myriolecis reuteri* (SCHAER.) ŚLIWA, ZHAO Xin & LUMBSCH (syn. *Lecanora r.*)  
POELT 1958: 470 (*Lecanora r.*).
- \**Myriospora rufescens* (TURNER ex ACH.) HEPP ex ULOTH  
VIERHAPPER 1906: 40 (*Acarospora r.*); KUŠAN 1953: 329 (*Acarospora r.*); BILOVITZ & MAYRHOFER 2011: 4 (*Acarospora fuscata*).
- Nephroma parile* (ACH.) ACH.  
DVOŘÁK 1946: 31.
- Nephroma resupinatum* (L.) ACH.  
OZIMEC 2015: 40.
- Normandina pulchella* (BORRER) NYL.  
DVOŘÁK 1946: 31.
- Ochrolechia androgyna* (HOFFM.) ARNOLD  
VERSEGHY 1956: 291; KUKWA 2011: 50, 59.
- Ochrolechia balcanica* VERSEGHY  
KUKWA 2011: 95, 98.
- Ochrolechia pallescens* (L.) A. MASSAL.  
DVOŘÁK 1946: 31; KUKWA 2011: 157; OZIMEC 2015: 40 (*O. parella*).
- Ochrolechia szatalaensis* VERSEGHY  
KUKWA 2011: 189.
- \**Opegrapha dolomitica* (ARNOLD) CLAUZADE & Cl. ROUX ex TORRENTE & EGEE  
ZAHLEBRUCKNER 1889: 359 (*O. saxicola*); ZAHLEBRUCKNER 1890: 44 (*O. saxicola*); SZATALA 1930: 7 (*O. saxicola*); KUŠAN 1953: 120 (*O. saxicola*); BILOVITZ & MAYRHOFER 2011: 34 (*O. rupestris*).
- Pannaria conoplea* (ACH.) BORY  
SUZA 1929: 11 (*P. coeruleobadia*).
- Pannaria rubiginosa* (ACH.) BORY  
DVOŘÁK 1946: 31.
- Parabagliettoa dufourii* (DC.) GUEIDAN & Cl. ROUX  
DVOŘÁK 1946: 33 (*Verrucaria d.*).
- Parmelia ernstiae* FEUERER & A. THELL  
HAWKSWORTH & al. 2011: 642.
- Parmelia saxatilis* (L.) ACH.  
DVOŘÁK 1946: 31 (*P. s. f. furfuracea*); OZIMEC 2015: 40. – Vranica Mountain near lake Prokoško, 43°57'27.29" N / 17°45'21.21" E, 1641 m; same locality, 43°57'30.28" N / 17°45'27.93" E, 1631 m; same locality, 43°57'26.86" N / 17°45'31.40" E, 1629 m; Vranica Mountain along mountain road to Krstac, 43°57'16.94" N / 17°45'28.54" E, 1663 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Parmelia submontana* HALE  
SCHINDLER 1975: 360 (*P. contorta*); OZIMEC 2015: 40.
- Parmelia sulcata* TAYLOR  
DVOŘÁK 1946: 31; OZIMEC 2015: 40.
- Parmeliella triptophylla* (ACH.) MÜLL. ARG.  
DVOŘÁK 1946: 31 (*Pannaria t.*).
- Parmelina pastillifera* (HARM.) HALE  
OZIMEC 2015: 40.
- Parmelina tiliacea* (HOFFM.) HALE  
OZIMEC 2015: 40.

- Parmeliopsis ambigua* (HOFFM.) NYL.  
DVOŘÁK 1946: 31. – Vranica Mountain near lake Prokoško, 43°57'27.29" N / 17°45'21.21" E, 1641 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Pectenium plumbeum* (LIGHTF.) P. M. JØRG. & al. (syn. *Degelia p.*)  
DVOŘÁK 1946: 31 (*Pannaria p.*). – Prenj Mountain, in valle angusta Boračko jezero et montem summum Prenj, *Fraxinus excelsior*, 25.7.1979, A. VÉZDA (Herb. KALB 8653, WIS).
- Peltigera collina* (ACH.) SCHRAD.  
DVOŘÁK 1946: 31 (*P. propagulifera*); OZIMEC 2015: 40.
- Peltigera neckeri* HEPP ex MÜLL. ARG.  
OZIMEC 2015: 40.
- Peltigera praetextata* (FLÖRKE ex SOMMERF.) ZOPF  
OZIMEC 2015: 40. – Vranica Mountain near lake Prokoško, 43°57'30.28" N / 17°45'27.93" E, 1631 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Peltigera rufescens* (WEISS) HUMB.  
OZIMEC 2015: 40.
- Pertusaria hymenea* (ACH.) SCHAER.  
DIBBEN 1980: 93.
- Pertusaria pertusa* (L.) TUCK.  
DVOŘÁK 1946: 31 (*P. communis*); OZIMEC 2015: 40; RESL & al. 2015: Suppl.
- Phaeophyscia orbicularis* (NECK.) MOBERG  
OZIMEC 2015: 40; HAFELLNER & MAYRHOFER: in press.
- Phaeophyscia poeltii* (FREY) NIMIS  
MOBERG 1994: 124.
- Phlyctis agelaea* (ACH.) FLOT.  
DVOŘÁK 1946: 31; OZIMEC 2015: 40.
- Phlyctis argena* (SPRENG.) FLOT.  
OZIMEC 2015: 40.
- Physcia adscendens* H. OLIVIER  
OZIMEC 2015: 40.
- Physcia dimidiata* (ARNOLD) NYL.  
KUŠAN 1936b: 200.
- Physcia stellaris* (L.) NYL.  
DVOŘÁK 1946: 32; OZIMEC 2015: 40.
- Physconia distorta* (WITH.) J. R. LAUNDON  
DVOŘÁK 1946: 32 (*Physcia pulverulenta*); OZIMEC 2015: 40.
- Physconia venusta* (ACH.) POELT  
Prenj Mountain, in valle angusta Boračko jezero et montem summum Prenj, *Fagus*, 25.7.1979, A. VÉZDA (Herb. KALB 8667, WIS).
- Placidium squamulosum* (ACH.) BREUSS  
OZIMEC 2015: 40.
- Placynthium nigrum* (HUDS.) GRAY  
DVOŘÁK 1946: 32.
- Platismatia glauca* (L.) W. L. CULB. & C. F. CULB.  
DVOŘÁK 1946: 28 (*Cetraria g.*); OZIMEC 2015: 40.
- Pleurosticta acetabulum* (NECK.) ELIX & LUMBSCHE  
DVOŘÁK 1946: 31 (*Parmelia a.*); OZIMEC 2015: 40.
- Porpidia macrocarpa* (DC.) HERTEL & A. J. SCHWAB  
DVOŘÁK 1946: 30 (*Lecidea platycarpa*).
- Porpidia speirea* (ACH.) KREMP.  
KUŠAN 1936b: 184 (*Lecidea s.*)
- Protoblastenia calva* (DICKS.) ZAHLBR.  
DVOŘÁK 1946: 32; OZIMEC 2015: 40.
- Protopannaria pezizoides* (WEBER) P. M. JØRG. & S. EKMAN  
DVOŘÁK 1946: 31 (*Pannaria p.*).
- Protoparmelia badia* (HOFFM.) HAFELLNER  
Vranica Mountain near lake Prokoško, 43°57'27.29" N / 17°45'21.21" E, 1641 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Protoparmeliopsis muralis* (SCHREB.) M. CHOISY  
OZIMEC 2015: 40. – Vranica Mountain near lake Prokoško, 43°57'27.29" N / 17°45'21.21" E, 1641 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- \**Protoparmeliopsis versicolor* (PERS.) M. CHOISY  
ZAHLBRUCKNER 1886: 304 (*Lecanora saxicola* var. *versicolor*); ZAHLBRUCKNER 1890: 30-31 (*Lecanora muralis* var. *versicolor*), 31 (*Lecanora muralis* var. *albopulverulenta*); BRANDIS 1891: 78 (*Placidium saxicolium* var. *versicolor*); KUŠAN 1931: 11 (*Lecanora muralis* var. *albopulverulenta*, *Lecanora muralis* var. *versicolor*); KUŠAN 1953: 397 (*Lecanora albopulverulenta*), 405 (*Lecanora muralis* var. *versicolor*); BILOVITZ & MAYRHOFER 2011: 43 (*P. muralis*).

- Pseudevernia furfuracea* (L.) ZOPF  
DVOŘÁK 1946: 31 (*Parmelia f.*); REDŽIĆ & al. 2010: 180; OZIMEC 2015: 40; HAFELLNER & MAYRHOFER: in press. – Vranica Mountain along mountain road to Krstac, 43°57'16.94" N / 17°45'28.54" E, 1663 m; Vranica Mountain, 43°57'26.86" N / 17°45'31.40" E, 1629 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Psora decipiens* (HEDW.) HOFFM.  
DVOŘÁK 1946: 30 (*Lecidea d.*); OZIMEC 2015: 40.
- Punctelia subrudecta* (NYL.) KROG  
OZIMEC 2015: 40.
- Pyrenocollema epigloea* (NYL.) R. C. HARRIS  
KEISSLER 1936: 115 (*Arthopyrenia e.*); GRUBE 2005: 311.
- Pyrenula laevigata* (PERS.) ARNOLD  
DVOŘÁK 1946: 32.
- Pyrenula nitida* (WEIGEL) ACH.  
DVOŘÁK 1946: 32.
- Ramalina calicaris* (L.) FR.  
DVOŘÁK 1946: 32.
- \**Ramalina elegans* (BAGL. & CARESTIA) STIZENB.  
MOTYKA 1960: 639.
- Ramalina farinacea* (L.) ACH.  
REDŽIĆ & al. 2010: 180; OZIMEC 2015: 40.
- Ramalina fastigiata* (PERS.) ACH.  
DVOŘÁK 1946: 32 (*R. fraxinea f. f.*); OZIMEC 2015: 40.
- Ramalina fraxinea* (L.) ACH.  
OZIMEC 2015: 40 (*R. f. var. calicariiformis*).
- Rhizocarpon alpicola* (Fr.) Rabenh.  
KUŠAN 1936b: 185.
- Rhizocarpon geographicum* (L.) DC.  
Vranica Mountain, 43°56'37" N / 17°45'17" E, c. 1890 m, 23.7.2019, E. MAŠIĆ (GZU).
- Rhizocarpon polcarpum* (HEPP) Th. Fr.  
Vranica Mountain, 43°56'37" N / 17°45'17" E, c. 1890 m, 23.7.2019, E. MAŠIĆ (GZU).
- \**Rhizocarpon postumum* (NYL.) ARNOLD  
ZAHLEBRUCKNER 1895: 609; KUŠAN 1953: 284; LET-  
TAU 1954: 276; MURATI 1992: 336; BILOVITZ & MAYR-  
HOFER 2011: 47 (*R. reductum*).
- Rhizocarpon umbilicatum* (RAMOND) FLAGEY  
DVOŘÁK 1946: 32 (*R. calcareum*); OZIMEC 2015: 40.
- Ricasolia amplissima* (SCOP.) DE NOT.  
DVOŘÁK 1946: 32 (*Sticta a.*).
- Rinodina immersa* (KÖRB.) J. STEINER  
DVOŘÁK 1946: 32.
- Romjularia lurida* (ACH.) TIMDAL  
DVOŘÁK 1946: 30 (*Lecidea l.*).
- Sagiolechia protuberans* (ACH.) A. MASSAL.  
DVOŘÁK 1946: 32.
- Sarcogyne regularis* KÖRB.  
DVOŘÁK 1946: 27 (*Biatorrella pruinoso*).
- Sclerophora pallida* (Pers.) Y. J. YAO & SPOONER  
DVOŘÁK 1946: 29 (*Coniocybe p. var. nivea*).
- \**Scytinium pulvinatum* (HOFFM.) OTÁLORA, P. M. JØRG. & WEDIN (syn. *Leptogium p.*)  
HANDEL-MAZZETTI & al. 1905: 354 (*Leptogium atrocaeruleum* var. *pulvinatum*); DVOŘÁK 1923: 7, 14 (*Leptogium lacerum* var. *pulvinatum*); SZATALA 1930: 9 (*Leptogium p.*); KUŠAN 1953: 179 (*Leptogi-um lichenoides* var. *pulvinatum*); BILOVITZ & MAYR-  
RHOFFER 2011: 29 (*Leptogium lichenoides*).
- Solenopsora candicans* (DICKS.) J. STEINER  
GUTTOVÁ & al. 2014: Doc S1; FAČKOVCOVÁ & al. 2017: App 1.
- Solorina saccata* (L.) ACH.  
DVOŘÁK 1946: 32.
- Sphaerophorus globosus* (HUDS.) VAIN.  
DVOŘÁK 1946: 32 (*S. coralloides*).
- Squamarina cartilaginea* (WITH.) P. JAMES  
DVOŘÁK 1946: 29 (*Lecanora crassa*); OZIMEC 2015: 40.
- Thalloidima candidum* (WEBER) A. MASSAL. (syn. *Toninia candida*)  
DVOŘÁK 1946: 32 (*Toninia candida*).
- Thalloidima sedifolium* (SCOP.) KISTENICH & al. (syn. *Toninia sedifolia*)  
DVOŘÁK 1946: 32 (*Toninia coeruleonigricans*).
- \**Thelidium auruntii* (A. MASSAL.) KREMP.  
ZAHLEBRUCKNER 1890: 41; ZSCHACKE 1921: 138; ZSCHACKE 1933: 391; KUŠAN 1953: 57; MURATI 1993: 234; BILOVITZ & MAYRHOFER 2011: 51 (*T. pyrenophorum*).



- Thelidium decipiens* (HEPP ex NYL.) KREMP.  
ZSCHACKE 1921: 104 (*T. amylaceum*).
- Thelidium pyrenophorum* (ACH.) A. MASSAL.  
ZSCHACKE 1921: 128 (*T. p.* var. *genuinum*).
- Thelotrema lepadinum* (ACH.) ACH.  
DVOŘÁK 1946: 32.
- Toniniopsis aromatica* (SM.) KISTENICH & al. (syn. *Toninia a.*)  
OZIMEC 2015: 40 (*Toninia a.*).
- \**Umbilicaria crustulosa* (ACH.) LAMY  
Vranica Mountain near lake Prokoško, 43°57'30.28" N / 17°45'27.93" E, 1631 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Umbilicaria cylindrica* (L.) DELISE var. *cylindrica*  
Vranica Mountain near lake Prokoško, 43°57'30.28" N / 17°45'27.93" E, 1631 m; same locality, 43°57'27.29" N / 17°45'21.21" E, 1641 m; same locality, 43°57'18.93" N / 17°45'24.54" E, 1667 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Umbilicaria cylindrica* var. *tornata* (ACH.) NYL.  
KUŠAN 1936b: 184.
- \**Umbilicaria deusta* (L.) BAUMG.  
Vranica Mountain near lake Prokoško, 43°57'27.29" N / 17°45'21.21" E, 1641 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- \**Umbilicaria hirsuta* (Sw. ex WESTR.) HOFFM.  
Vranica Mountain near lake Prokoško, 43°57,30.28" N / 17°45,27.93" E; 1631 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- Umbilicaria polyphylla* (L.) BAUMG.  
KUŠAN 1936b: 187.
- \**Umbilicaria subpolyphylla* OXNER  
DAVYDOV & al. 2019: 213.
- Usnea barbata* (L.) F. H. WIGG.  
REDŽIĆ & al. 2010: 180.
- Usnea dasopoga* (ACH.) NYL.  
KEISSLER 1933: 388 (*U. dasypoga*); OZIMEC 2015: 40 (*U. filipendula*).
- Usnea florida* (L.) F. H. WIGG.  
CLERC 1984: 350.
- Usnea intermedia* (A. MASSAL.) JATTA  
OZIMEC 2015: 41.
- \**Varicellaria hemisphaerica* (FLÖRKE) I. SCHMITT & LUMBSCH (syn. *Pertusaria h.*)  
Sutjeska National Park, virgin forest Perućica, *Abies*, 5.10.2008, P. O. BILOVITZ 3737 (GZU).
- Verrucaria caerulea* DC.  
DVOŘÁK 1946: 33.
- \**Verrucaria dolomitica* (A. MASSAL.) KREMP.  
SERVÍT 1934: 121; DVOŘÁK 1946: 33; KUŠAN 1953: 23; BILOVITZ & MAYRHOFER 2011: 54 (*V. foveolata*).
- Verrucaria nigrescens* PERS.  
DVOŘÁK 1946: 33 (*V. n. f. nigricans*).
- \**Xanthoparmelia angustiphylla* (GYELN.) HALE  
Vranica Mountain near lake Prokoško, 43°57'30.28" N / 17°45'27.93" E, 1631 m, 15.4.2017, E. MAŠIĆ & S. BARUDANOVIĆ (GZU).
- \**Xanthoparmelia tinctoria* (MAHEU & A. GILLETT) HALE  
KROG 1951: 79 (*Parmelia körösi-csomae*).
- Xanthoria parietina* (L.) Th. Fr.  
OZIMEC 2015: 41.
- \**Xylographa soralifera* HOLIEN & TØNSBERG  
In den subalpinen Wäldern des Matorac bei Fojnica, 8.7.1892, BECK (W, as *X. spilomatica* pro parte; det. T. SPRIBILLE).
- \**Xylographa trunciseda* (Th. Fr.) MINKS ex REDINGER  
In den subalpinen Wäldern des Matorac bei Fojnica, 8.7.1892, BECK (W, as *X. spilomatica* pro parte; det. T. SPRIBILLE).

#### 4. Lichenicolous fungi

- \**Arthonia varians* (DAVIES) NYL.  
HAFELLNER 2018: 485 (host: *Lecanora rupicola*).
- \**Biatoropsis usnearum* RÄSÄNEN  
HAFELLNER 2018: 485 (host: *Usnea* sp.).
- Dactylospora lobariella* (NYL.) HAFELLNER  
HAFELLNER 2018: 486 (host: *Lobaria pulmonaria*).
- \**Didymocyrtis cladoniicola* (DIEDERICH, KOURK. & ETAYO) ERTZ & DIEDERICH  
HAFELLNER & MAYRHOFER: in press (host: *Cladonia convoluta*).
- \**Epicladonia sandstedei* (ZOPF) D. HAWKSW.  
ZHURBENKO & PINO-BODAS 2017: 205 (host: *Cladonia subrangiformis*).

\**Lichenocodium erodens* M. S. CHRIST. & D. HAWKSW.

HAFELLNER & MAYRHOFER: in press (host: *Evernia prunastri*)

*Lichenocodium usneae* (ANZI) D. HAWKSW.

KEISSLER 1933: 388 (*Coniothyrium u.*; host: *Usnea dasopoga*); HAFELLNER 2018: 487 (host: *Flavoparmelia caperata*).

\**Lichenostigma maureri* HAFELLNER

HAFELLNER & MAYRHOFER: in press (host: *Pseudevernia furfuracea*)

\**Opegrapha parasitica* (A. MASSAL.) H. OLIVIER

SZATALA 1930: 7 (*O. centrifuga*); KUŠAN 1953: 126 (*O. centrifuga*); MURATI 1993: 168; BILOVITZ & MAYRHOFER 2011: 34 (*O. rupestris*).

\**Taeniolella phaeophysciae* D. HAWKSW.

HAFELLNER & MAYRHOFER: in press (host: *Phaeophyscia orbicularis*).

\**Tremella hypogymniae* DIEDERICH & M. S. CHRIST.

HAFELLNER 2018: 489 (host: *Hypogymnia physodes*).

## 5. Non-lichenized or doubtfully lichenized fungi

*Arthonia punctiformis* ACH.

BILOVITZ & MAYRHOFER 2011 treated the taxon under lichenized fungi.

*Arthopyrenia analepta* (ACH.) A. MASSAL.

BILOVITZ & MAYRHOFER 2011 treated the taxon under lichenized fungi.

*Arthopyrenia cerasi* (Schrad.) A. MASSAL.

BILOVITZ & MAYRHOFER 2011 treated the taxon under lichenized fungi.

*Blastodesmia nitida* A. MASSAL.

BILOVITZ & MAYRHOFER 2011 treated the taxon under lichenized fungi.

*Julella lactea* (A. MASSAL.) M. E. BARR

RIEDL 1971: 53 (*Polyblastiopsis l.*).

## 6. Erroneous records

*Acarospora smaragdula* (WAHLENB.) A. MASSAL.

MURATI 1992: 74.

Note: The cited record refers to *Myriospora rufescens*.

*Aspicilia gibbosa* (ACH.) KÖRB.

VIERHAPPER 1906: 39, 40 (*Lecanora g.*); KUŠAN 1953: 364 (*Lecanora g.*); MURATI 1992: 109; BILOVITZ & MAYRHOFER 2011: 6.

Note: The cited records refer to *Aspicilia caesiocinera*.

*Bellemeria diamarta* (ACH.) HAFELLNER & CL. ROUX

Note: The citations given by BILOVITZ & MAYRHOFER 2011 refer to *Bellemeria cinereorufescens*.

*Biatorella hemisphaerica* ANZI

MURATI 1992: 126; BILOVITZ & MAYRHOFER 2011: 8.

Note: The cited records refer to *Biatorella fosarum*.

*Diplotomma ambiguum* (ACH.) FLAGEY

VIERHAPPER 1906: 40 (*D. epopolium* f. *ambiguum*); KUŠAN 1953: 553 (*Buellia epopolia* var. *ambigua*); MURATI 1992: 135 (*Buellia ambigua*); BILOVITZ & MAYRHOFER 2011: 20.

Note: The cited records refer to *Diplotomma alboatrum*.

*Ochrolechia subpallescens* VERSEGHY

VERSEGHY 1962: 22; BILOVITZ & MAYRHOFER 2011: 33.

Note: Bosnian specimens refer to *Ochrolechia balcanica* (KUKWA 2011).

*Pertusaria flavicans* LAMY

VIERHAPPER 1906: 42 (*P. flavescens*); KUŠAN 1953: 349; MURATI 1992: 279; BILOVITZ & MAYRHOFER 2011: 38.

Note: These mentions are based on the single specimen cited by VIERHAPPER l.c., a corticolous species collected on *Fagus*. However, *Pertusaria flavescens* is an unresolved name and not synonymous with the saxicolous *P. flavicans*.

*Psorinia conglomerata* (ACH.) Gotth. SCHNEID.

ZAHLBRUCKNER 1889: 355 (*Toninia aromatica*  $\alpha$  *acervulata*); ZAHLBRUCKNER 1890: 35 (*Toninia aromatica*  $\alpha$  *acervulata*); KUŠAN 1953: 275 (*Toninia c.*); MURATI 1992: 366 (*Toninia c.*); BILOVITZ & MAYRHOFER 2011: 45.

Note: The cited records refer to *Toniniopsis aromatica*.

*Verrucaria foveolata* (FLÖRKE) A. MASSAL.

Note: The citations given by BILOVITZ & MAYRHOFER 2011 refer to *Verrucaria dolomitica*.

*Xanthoria ectaneoides* (NYL.) ZAHLBR.

Note: The citations given by BILOVITZ & MAYRHOFER 2011 refer to *Xanthoria parietina*.

*Xylographa vitiligo* (ACH.) J. R. LAUNDON

ZAHLBRUCKNER 1895: 609 (*X. spilomatica*); RE-DINGER 1938: 209 (*X. spilomatica*); KUŠAN 1953: 114 (*X. spilomatica*); MURATI 1992: 380; BILOVITZ & MAYRHOFER 2011: 55.

Note: The cited specimen kept in herbarium W consists of two pieces of wood. One piece refers to *Xylographa trunciseda* and the second to *X. sorali-fera* (T. SPRIBILLE, pers. comm.)

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