

Additions to the checklist and bibliography of the lichens and lichenicolous fungi of Turkey II.

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Abstract: Increase and gaps in the knowledge about the biota of lichens and lichenicolous fungi in Turkey in the last 4 years are documented, including some supplements. Since the compilations by JOHN & TÜRK (2017) and JOHN et al. (2020) 32 species of lichens and 17 lichenicolous fungi were newly published for Turkey. A total of 689 additional species (59 lichenicolous and 636 lichenized) are new for one or more provinces. *Lecanora albula*, *Placynthium flabelliforme*, *Ramalina bourgaeana*, *R. elegans* and *R. tortuosa* are specified here as new for Turkey and 134 species (2 lichenicolous and 132 lichenized) as new for provinces. 31 publications were evaluated. The knowledge has improved in 40 provinces.

Zusammenfassung: Ergänzungen zu Checkliste und Bibliographie der Flechten und flechtenbewohnenden Pilze der Türkei II. Zuwachs und Lücken in der Kenntnis über die Biota der Flechten und flechtenbewohnenden Pilze der Türkei in den letzten 4 Jahren, inklusive einiger Nachträge, werden dokumentiert. Seit den Zusammenstellungen von JOHN & TÜRK (2017) und JOHN et al. (2020) wurden 32 Flechtenarten und 17 lichenikole Pilze neu für die Türkei publiziert. Insgesamt 689 weitere Arten sind neu für eine oder mehrere Provinzen. *Lecanora albula*, *Placynthium flabellum*, *Ramalina bourgaeana*, *R. elegans* und *R. tortuosa* werden hier erstmals für die Türkei und 132 Arten (2 Flechtenparasiten und 132 Flechten) neu für Provinzen angegeben. 31 Publikationen wurden ausgewertet. In 40 Provinzen hat sich der Wissenstand verbessert.

Özet: Türkiye likenlerinin listesi ve bibliografyasına ilaveler II. Türkiye'de son 4 yılda liken ve likenikol mantarların biyotası hakkındaki bilgilerdeki boşluk ve artışlar, bazı yeni ilaveler de dahil olmak üzere belgelenmiştir. JOHN & TÜRK (2017) ve JOHN et al. (2020) tarafından yapılan derlemelerden bu yana, Türkiye için 32 liken türü ve 17 likenikol mantar yeni yayınlanmıştır. Bir veya daha fazla il için toplam 689 ilave tür (55 likenikol ve 634 likenleşmiş) kaydı bulunmaktadır. *Lecanora albula*, *Placynthium flabellum*, *Ramalina bourgaeana*, *R. elegans* ve *R. tortuosa* Türkiye için, 134 türün (2 likenikol ve 132 likenleşmiş) ise iller için yeni kaydı verilmiştir. 31 yayın değerlendirilmiştir. 40 ilde bilgi durumu iyileşmiştir.

1. Introduction

In many countries it is common practice to provide information on the improvement of knowledge about the lichen biota at more or less regular intervals, e. g. Austria (HAFELLNER & TÜRK 2001, 2016), France (ROUX 2012, ROUX et al. 2014, 2017), Germany (GRUMMANN 1963, WIRTH 1994, SCHOLZ 2000, PRINTZEN et al. 2022), Great Britain (CROMBIE 1894, SMITH 1926, PURVIS et al. 1992, COPPINS 2002, SMITH et al. 2009) and Italy (NIMIS 1993, 2016, NIMIS & MARTELOS 2003). Some of the lists have appeared at short intervals. On the one hand, this documents the dynamics with which the lichen flora changes, and on the other hand, the intensity of the processing by specialists. The current list of the lichens of Turkey is nevertheless still too young (JOHN & TÜRK 2017), so that actually only additions are planned (JOHN et al. 2020) and the present list.

In addition to the checklists of lichens of individual countries, bibliographies are occasionally published, e. g. Austria (TÜRK & POELT 1993, TÜRK & HAFELLNER 2017), Great Britain (HAWKSWORTH & SEAWARD 1977). Accordingly, the present compilation is also intended to bring the data situation from this point of view up to date.

Occasionally, distribution maps of individual species are helpful for a wide variety of questions. An overview has been compiled by SCHOLZ (2007). In many countries, mainly in Europe, raster maps have become common, some at the country level, some for individual regions or political units (BERGER et al. 2009, JOHN 1990, SEAWARD & HITCH 1982, TÜRK et al. 1998, WIRTH 1995). Such a representation based on equally sized grids has not yet become established in Turkey (JOHN 1992, 1996). Instead, provinces are used as the basis for country-wide differentiation of distribution in Turkey. A major disadvantage of this representation is the different size of the provinces (Yalova 798 km², Kilis 1412 km², Konya 40838 km², Sivas 28164 km²). On the other hand, such subdivisions are comparable with other states, e. g. the federal states in Germany, which process their own lists, or the French departments (ROUX et al. 2017).

Tab. 1. Numbers and names of the Turkish provinces (Turkish: il, vilayet).

01 Adana	22 Edirne	43 Kütahya	64 Uşak
02 Adıyaman	23 Elâzığ	44 Malatya	65 Van
03 Afyon	24 Erzincan	45 Manisa	66 Yozgat
04 Ağrı	25 Erzurum	46 K.Maraş	67 Zonguldak
05 Amasya	26 Eskişehir	47 Mardin	68 Aksaray
06 Ankara	27 Gaziantep	48 Muğla	69 Bayburt
07 Antalya	28 Giresun	49 Muş	70 Karaman
08 Artvin	29 Gümüşhane	50 Nevşehir	71 Kırıkkale
09 Aydın	30 Hakkâri	51 Niğde	72 Batman
10 Balıkesir	31 Hatay	52 Ordu	73 Şırnak
11 Bilecik	32 Isparta	53 Rize	74 Bartın
12 Bingöl	33 İçel, Mersin	54 Sakarya	75 Ardahan
13 Bitlis	34 İstanbul	55 Samsun	76 Iğdır
14 Bolu	35 İzmir	56 Siirt	77 Yalova
15 Burdur	36 Kars	57 Sinop	78 Karabük
16 Bursa	37 Kastamonu	58 Sivas	79 Kilis
17 Çanakkale	38 Kayseri	59 Tekirdağ	80 Osmaniye
18 Çankırı	39 Kırklareli	60 Tokat	81 Düzce
19 Çorum	40 Kırşehir	61 Trabzon	
20 Denizli	41 Kocaeli	62 Tunceli	
21 Diyarbakır	42 Konya	63 Şanlı Urfa	



Fig. 1. Numbers and location of the provinces in Turkey (names in Tab. 1).

2. Material and method

Recently published and overlooked papers dealing with lichens from Turkey are evaluated and presented as additions to JOHN & TÜRK (2017) and JOHN et al. (2020). The taxonomy has been adapted to a modern view (NİMİS et al. 2018, PRINTZEN et al. 2022). Author names follow BRUMMITT & POWELL (1992). Lichen names are alphabetically listed. Numbers (see Tab. 1) as well as names of the provinces are presented. All literature referring to lichens in Turkey, including those briefly

citing Turkish records is included. Lichenicolous fungi (but no lichenicolous lichens) are marked by an asterisk (*).

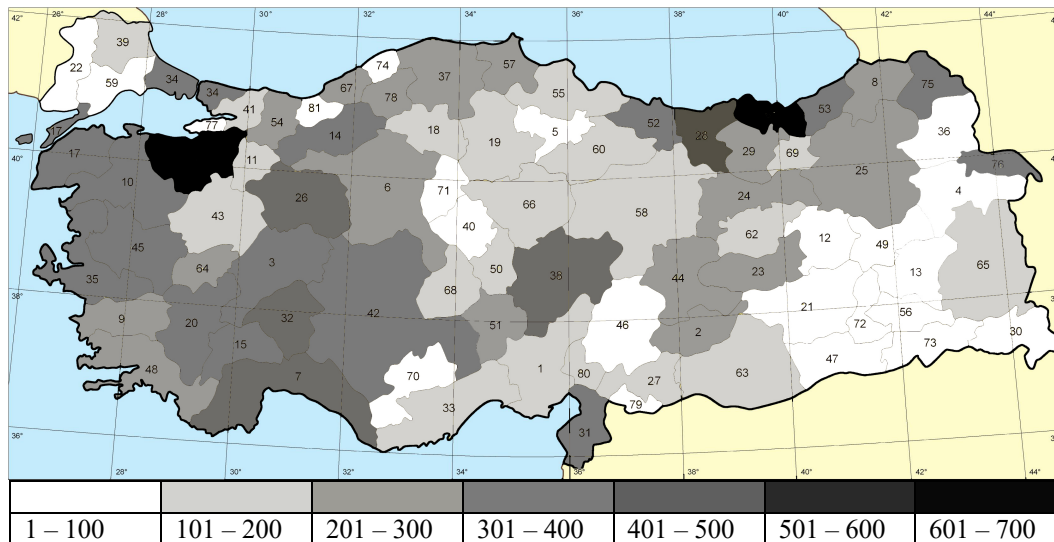


Fig. 2. Previous number of known taxa of lichens (including lichenicolous fungi) of the Turkish provinces (Steps of 100 species in increasing gray levels. Status according to GÜVENÇ et al. 2020).

3. Results

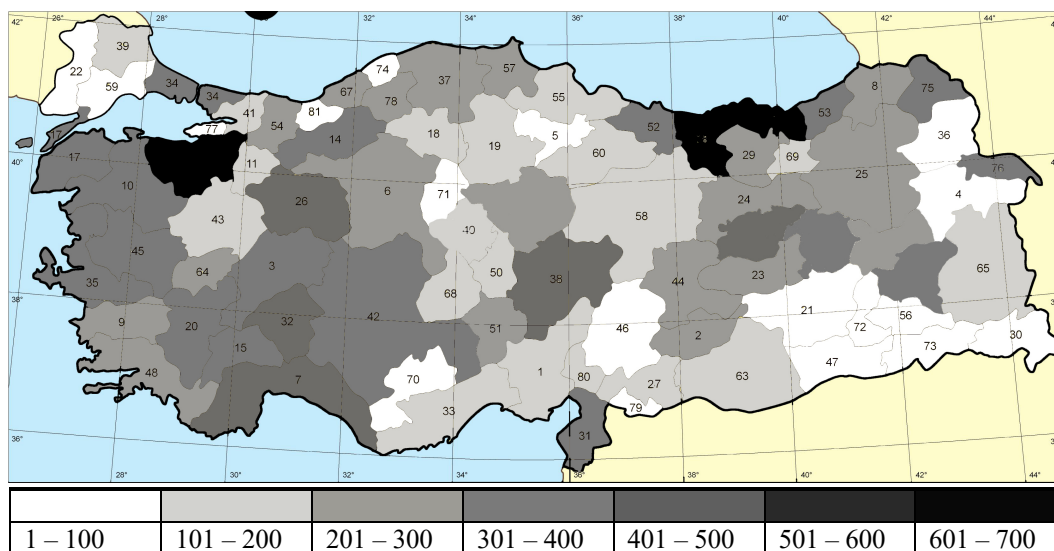


Fig. 3. Current number of known taxa of lichens (including lichenicolous fungi) of the Turkish provinces (Steps of 100 species in increasing gray levels) showing the progress in recent years.

Tab. 2. Development of the number of lichenicolous and lichenized fungi in the provinces of Turkey

Province	Number	Records up to 2019/ 2020				Additional records in this paper				Colour Fig. 3
		Lichenicolous	Lichenized	Sum	Colour Fig. 2	Lichenicolous	Lichenized	Sum	Over all total	
Adana	01	13	186	199						
Adiyaman	02	5	202	207						
Afyonkarahisar	03	55	341	396						
Ağrı	04	6	50	56		0	1	1	57	
Aksaray	68	1	134	135		0	2	2	137	
Amasya	05	0	48	48		0	1	1	49	
Ankara	06	10	206	216		1	6	7	223	
Antalya	07	4	424	428		6	31	37	465	
Ardahan	75	6	363	369						
Artvin	08	7	200	207						
Aydın	09	3	203	206		0	4	4	210	
Balıkesir	10	6	356	362		1	12	13	375	
Bartın	74	0	72	72						
Batman	72	0	33	33		1	7	8	41	
Bayburt	69	3	156	159						
Bilecik	11	1	185	186		0	2	2	188	
Bingöl	12	1	25	26		21	317	338	364	
Bitlis	13	6	91	97		21	261	282	379	
Bolu	14	12	309	321		0	12	12	333	
Burdur	15	8	378	386		0	2	2	388	
Bursa	16	13	594	607		0	11	11	618	
Çanakkale	17	6	304	310		1	41	42	352	
Çankırı	18	1	105	106						
Çorum	19	1	178	179		0	1	1	180	
Denizli	20	26	315	341		1	4	5	346	
Diyarbakır	21	0	32	32						
Düzce	81	0	29	29		0	30	30	59	
Edirne	22	1	89	90		0	1	1	91	
Elâzığ	23	12	192	204						
Erzincan	24	1	208	209						
Erzurum	25	2	245	247						
Eskişehir	26	36	429	465		0	1	1	466	
Gaziantep	27	4	124	128						
Giresun	28	11	586	597		15	95	110	707	
Gümüşhane	29	6	251	257		0	13	13	270	
Hakkâri	30	0	33	33						
Hatay	31	6	318	324						
İğdır	76	37	302	339		0	1	1	340	

Isparta	32	22	389	411						
İstanbul	34	9	345	354		0	2	2	356	
İzmir	35	26	285	311		1	10	11	322	
Kahramanmaraş	46	1	64	65						
Karabük	78	2	257	259						
Karaman	70	3	8	11						
Kars	36	2	63	65						
Kastamonu	37	10	248	258		0	1	1	259	
Kayseri	38	59	424	483						
Kırıkkale	71	0	21	21						
Kırklareli	39	1	183	184						
Kırşehir	40	2	97	99		0	9	9	108	
Kilis	79	0	8	8						
Kocaeli	41	1	132	133		0	1	1	134	
Konya	42	34	326	360			1		361	
Kütahya	43	3	178	181		0	6	6	187	
Malatya	44	21	213	244						
Manisa	45	25	303	328		1	7	8	336	
Mardin	47	1	60	61						
Mersin	33	2	114	116						
Muğla	48	7	223	230		0	10	10	240	
Muş	49	1	17	18		19	256	275	293	
Nevşehir	50	3	109	112						
Niğde	51	30	265	295						
Ordu	52	6	380	386						
Osmaniye	80	0	145	145						
Rize	53	7	306	313		1	56	57	370	
Sakarya	54	1	200	201						
Samsun	55	1	121	122		0	1	1	123	
Siirt	56	1	38	39		0	3	3	42	
Sinop	57	3	198	201		0	1	1	202	
Sivas	58	25	174	189						
Şanlıurfa	63	0	114	114						
Şırnak	73	0	11	11						
Tekirdağ	59	0	87	87						
Tokat	60	1	105	106						
Trabzon	61	19	586	605		5	56	61	666	
Tunceli	62	2	123	125		19	291	310	435	
Uşak	64	8	258	266						
Van	65	2	109	111		13	148	161	272	
Yalova	77	0	70	70						
Yozgat	66	17	164	181		5	24	29	210	
Zonguldak	67	7	256	263						

3.1 Additional taxa for Turkey

3.1.1 Evaluation of literature

- **Abrothallus welwitschii* Tul. ex Mont. — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1695.
Acarospora scotica Hue — **12** (Bingöl): YAZICI & ASLAN 2021: 117.
Anema tumidulum Henssen ex P.M. Jørg., M. Schultz & Guttová — **62** (Tunceli): YAZICI & ASLAN 2021: 118.
Athallia brachyspora (Mereschk.) Halici & Vondrak — **72** (Batman): YAZICI & ASLAN 2023b: 158.
Bibbya ruginosa (Tuck.) Kistenich, Timdal, Bendiksbj & S.Ekman — **65** (Van): KARAGÖZ et al. 2022: 4.
Briancoppinsia cytospora (Vouaux) Diederich, Ertz, Lawrey & van den Boom — **28** (Giresun): YAZICI & ASLAN 2023a: 22.
Bryostigma molendoi (Heufl. ex Frauenf.) S.Y.Kondr. & Hur — **65** (Van): KARAGÖZ et al. 2022: 4.
Buellia subalbula (Nyl.) Müll.Arg. — **65** (Van): KARAGÖZ et al. 2022: 4.
Buellia vouauxii Calat. & Barreno. — **13** (Bitlis): YAZICI et al. 2020b: 5.
Calicium pinicola (Tibell) M.Prieto & Wedin — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1695.
Catapyrenium psoromoides (Borrer) R.Sant. — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1695.
Clypeococcum epicrassum (H.Olivier) Hafellner & Nav.-Ros. — **07** (Antalya): KOCAKAYA et al. 2022: 944.
Coniocarpon fallax (Ach.) Grube — **61** (Trabzon): FRISCH et al. 2020: 47.
Didymocyrtis epiphyscia Ertz & Diederich — **66** (Yozgat): KOCAKAYA 2021: 524.
Dimelaena radiata (Tuck.) Hale & W.L.Culb. — **13** (Bitlis): YAZICI et al. 2020b: 6.
Gyalolechia klementii (Kalb) Søchting, Frödén & Arup — **07** (Antalya): KOCAKAYA et al. 2022: 949. 42 (Konya): KOCAKAYA et al. 2022: 949.
Kalchbrenneriella cyanescens (Kalchbr.) Diederich & M.S.Christ. — **60** (Trabzon): YAZICI et al. 2021: 280.
Kuettlingeria soralifera (Vondrák & Hrouzek) I.V.Frolov, Vondrák & Arup Arup — **12** (Bingöl): YAZICI et al. 2022: 24 (as *Caloplaca soralifera*). **13** (Bitlis): YAZICI et al. 2020b: 5 (as *Caloplaca soralifera*); **49** (Muş): YAZICI et al. 2020a: 442 (as *Caloplaca soralifera*).
Karschia talcophila (Ach.) Körb. — **62** (Tunceli): YAZICI & ASLAN 2022: 173.
Lambiella furvella (Nyl. ex Mudd) M.Westb. & Resl — **65** (Van): KARAGÖZ et al. 2022: 6.
Lecidea promiscua Nyl. — **65** (Van): ASLAN & YAZICI 2013: 323; KARAGÖZ et al. 2022: 6.
Lecidea soredioatrobrunnea Zakeri, Yazici & Aptroot — **13** (Bitlis): ZAKERI et al. 2021: 59.
Lepraria jackii Tønsberg — **16** (Bursa): GÜVENÇ & ÖZTÜRK KULA 2021: 10571.
Lichenochora weillii (Werner) Hafellner & R. Sant. — **66** (Yozgat): KOCAKAYA 2021: 526.
Lichenocodium xanthoriae M.S.Christ. — **66** (Yozgat): KOCAKAYA 2021: 526.
Lichenostigma gracile Calt., Nav.-Ros. & Hafellner — **49** (Muş): YAZICI et al. 2020a: 445.
Megaspora rimisorediata Valadb. & A.Nordin — **12** (Bingöl): YAZICI & ASLAN 2021: 120; **62** (Tunceli): YAZICI & ASLAN 2021: 120.
Melaspilea interjecta (Leight.) A.L.Sm. — **65** (Van): ASLAN & YAZICI 2013: 324; KARAGÖZ et al. 2022: 7.
Parmelia ernstiae Feuerer & A.Thell — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1697; **17** (Çanakkale): CRESPO et al. 2020: 266.
Parmelia serrana A.Crespo, M.C.Morina & D.Hawksw. — **10** (Balıkesir): ORAN 2020: 440; **17** (Çanakkale): ORAN 2020: 440.
Parvoplaca servitiana (Szatala) Arup, Søchting & Frödén — **07** (Antalya): KOCAKAYA et al. 2022: 949.

- Peccania tiruncula* (Nyl.) Henssen — **56** (Siirt): YAZICI & ASLAN 2023b: 161.
 Polycoccum cladoniae* Diederich & D.Hawksw. — **07 (Antalya): KOCAKAYA et al. 2022: 946.
Ramalina digitellata Nyl. — **57** (Sinop): BARAK et al. 2022: 17.
Rhizocarpon hochstetteri (Körb.) Vain. — **13** (Bitlis): YAZICI et al. 2020b: 9.
Rhizocarpon jemtlandicum Malme — **17** (Çanakkale): ORAN 2020: 443.
 Rhizocarpon ochrolechia* (Poelt & Nimis) Hafellner — **72 (Batman): YAZICI et al. 2021: 282.
Rimularia gibbosa (Ach.) Coppins, Hertel & Rambold — **65** (Van): KARAGÖZ et al. 2022: 8.
Rinodina anomala (Zahlbr.) H.Mayrhofer & Giralt — **07** (Antalya): TUFAN-ÇETİN 2020b: 739.
Rinodina moziana (Nyl.) Zahlbr. — **10** (Balıkesir): ORAN 2020: 443.
 Sphaerothellicium arnoldii* (A.Massal.) Hafellner — **07 (Antalya): KOCAKAYA et al. 2022: 947.
 Sphaerellothecium contextum* Triebel — **12 (Bingöl): YAZICI et al. 2022: 33.
 Sphaerellothecium giseae* Darmostuk & Guttová — **10 (Balıkesir): DARMOSTUK et al. 2022: 122; **20** (Denizli): DARMOSTUK et al. 2022: 122; **45** (Manisa): DARMOSTUK et al. 2022: 122.
 Stigmidium lecidellae* Triebel, Cl.Roux & Le Coer — **07 (Antalya): KOCAKAYA et al. 2022: 947.
Toniniopsis dissimilis Gerasimova & A.Beck — **16** (Bursa): GERASIMOVA et al. 2021: 178; **53** (Rize): GERASIMOVA et al. 2021: 178.
Toniniopsis separabilis (Nyl.) Gerasimova & A.Beck — **37** (Kastamonu): GERASIMOVA et al. 2021: 180.
Usnea pacificana P.Halonen — **28** (Giresun): ŞENKARDEŞLER & CLERC 2017: 101; **53** (Rize): ŞENKARDEŞLER & CLERC 2017: 101; **61** (Trabzon): ŞENKARDEŞLER & CLERC 2017: 101.
Verrucaria bryoctona (Th. Fr.) Orange — **15** (Burdur): ASLAN & YAZICI 2013: 325.
Zahlbrucknerella calcarea (Herre) Herre — **13** (Bitlis): YAZICI et al. 2020b: 11.

3.1.2 Original data for Turkey

- Lecanora albula* Nyl. — **29** (Gümüşhane): Rock peak east of Zigana Geçidi. 40°37'54"N 39°25'57"E. 2350 m. Siliceous rocks. 2.VIII.1997, leg. et det. V. John (Nr. 13390, M).
Placynthium flabellum (Tuck.) Zahlbr. — **61** (Trabzon): S of Uzungöl, N-slope in forest near road to Soğanlı geçidi. 40°35'51"N 40°18'29"E. Alt. 1750 m. On rocks. 26.VII.1997, leg. et det. V. John (Nr. 14144, M).
Ramalina bourgaeana Nyl. — **55** (Samsun): Near Black Sea coast, ca. 60 km E of Samsun, 1 km E of Terme river. Moist roadside and margin of a cornfield. Alt. 10 m, On trunk of *Salix alba*. 26.VIII.1972, leg. Pertti Uotila (19883, H).
Ramalina elegans (Bagl. & Carestia) Stizenb. — **14** (Bolu): c. 20 km from Bolu to Yedigöller. *Abies nordmanniana* subsp. *bornmuelleriana* - *Fagus* forest on steep slope. Alt. 1400 m, on *Abies nordmanniana* subsp. *bornmuelleriana*. 23.V.1983, leg. Risto Murto (2065b, H).
Ramalina tortuosa Krog & Østh. — **68** (Aksaray): Top of Hasandağ S of Aksaray. 38°07'N 34°10'E. Alt. 3300 m. On siliceous rocks. 12.VII.2001, leg. et det. V. John (Nr. 13957, M).

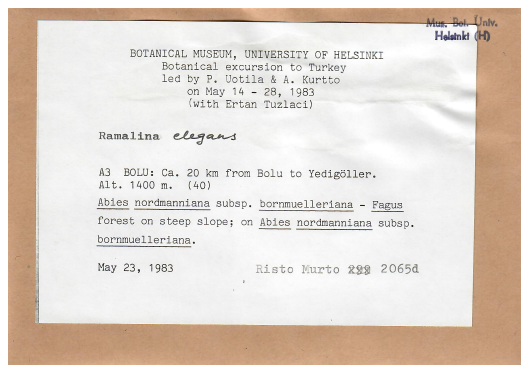


Fig. 4. Capsule of *Ramalina elegans* in the herbarium of the Botanical Museum Helsinki (H)



Fig. 5. The voucher of *Ramalina elegans* in the herbarium of the Botanical Museum Helsinki (H)

3.2 Additional taxa for the provinces

3.2.1 Evaluation of literature

- **Abrothallus parmeliarum* (Sommerf.) Arnold — **62** (Tunceli): YAZICI & ASLAN 2022: 169.
 Abrothallus prodiens* (Harm.) Diederich & Hafellner — **28 (Giresun): YAZICI & ASLAN 2023a: 21; **61** (Trabzon): YAZICI & ASLAN 2023a: 21.
Acarospora bullata Anzi — **12** (Bingöl): YAZICI et al. 2022: 22; **62** (Tunceli): YAZICI & ASLAN 2022: 169.
Acarospora cervina A.Massal. — **12** (Bingöl): YAZICI et al. 2022: 22.
Acarospora fuscata (Nyl.) Th.Fr. — **12** (Bingöl): YAZICI et al. 2022: 22; **13** (Bitlis): YAZICI et al. 2020b: 2; **28** (Giresun): YAZICI & ASLAN 2023a: 21; **65** (Van): KARAGÖZ et al. 2022: 4.
Acarospora glaucocarpa (Ach.) Körb. — **12** (Bingöl): YAZICI et al. 2022: 22; **13** (Bitlis): YAZICI et al. 2020b: 2; **65** (Van): KARAGÖZ et al. 2022: 4.
Acarospora hospitans H.Magn. — **12** (Bingöl): YAZICI et al. 2022: 22; **13** (Bitlis): YAZICI et al. 2020b: 4; **28** (Giresun): YAZICI & ASLAN 2023a: 21; **62** (Tunceli): YAZICI & ASLAN 2022: 169.
Acarospora impressula Th.Fr. — **12** (Bingöl): YAZICI et al. 2022: 23; **13** (Bitlis): YAZICI et al. 2020b: 4; **28** (Giresun): YAZICI & ASLAN 2023a: 21; **49** (Muş): YAZICI et al. 2020a: 441; **62** (Tunceli): YAZICI & ASLAN 2022: 169; **65** (Van): KARAGÖZ et al. 2022: 4.
Acarospora insolata H.Magn. — **49** (Muş): YAZICI et al. 2020a: 441.
Acarospora laqueata Stizenb. — **12** (Bingöl): YAZICI et al. 2022: 23.
Acarospora macrospora (Hepp) A.Massal. ex Bagl. — **12** (Bingöl): YAZICI et al. 2022: 23; **13** (Bitlis): YAZICI et al. 2020b: 4; **49** (Muş): YAZICI et al. 2020a: 441; **62** (Tunceli): YAZICI & ASLAN 2022: 169; **65** (Van): KARAGÖZ et al. 2022: 4.
Acarospora moenium (Vain.) Räsänen — **65** (Van): KARAGÖZ et al. 2022: 4 (as *Aspicilia moenium*).
Acarospora nitrophila H.Magn. — **65** (Van): KARAGÖZ et al. 2022: 4.
Acarospora oligospora (Nyl.) Arnold — **13** (Bitlis): YAZICI et al. 2020b: 4.

- Acarospora peliscypha* Th.Fr. — **12** (Bingöl): YAZICI et al. 2022: 23; **62** (Tunceli): YAZICI & ASLAN 2022: 169; **65** (Van): KARAGÖZ et al. 2022: 4.
- Acarospora pseudofuscata* Sipman — **12** (Bingöl): YAZICI et al. 2022: 23; **62** (Tunceli): YAZICI & ASLAN 2022: 169.
- Acarospora scabra* (Pers.) Th.Fr. — **49** (Muş): YAZICI et al. 2020a: 441.
- Acarospora strigata* (Nyl.) Jatta — **12** (Bingöl): YAZICI et al. 2022: 23; **13** (Bitlis): YAZICI et al. 2020b: 4; **49** (Muş): YAZICI et al. 2020a: 441; **62** (Tunceli): YAZICI & ASLAN 2022: 169.
- Acarospora umbilicata* Bagl. — **12** (Bingöl): YAZICI et al. 2022: 23; **13** (Bitlis): YAZICI et al. 2020b: 4; **49** (Muş): YAZICI et al. 2020a: 441; **62** (Tunceli): YAZICI & ASLAN 2022: 169; **65** (Van): KARAGÖZ et al. 2022: 4.
- Acarospora veronensis* A.Massal. — **12** (Bingöl): YAZICI et al. 2022: 23; **13** (Bitlis): YAZICI et al. 2020b: 4; **49** (Muş): YAZICI et al. 2020a: 441; **53** (Rize): YAZICI & ASLAN 2023a: 21; **61** (Trabzon): YAZICI & ASLAN 2023a: 21; **62** (Tunceli): YAZICI & ASLAN 2022: 169.
- Acarospora versicolor* Bagl. & Cartestia — **12** (Bingöl): YAZICI et al. 2022: 23; **13** (Bitlis): YAZICI et al. 2020b: 4; **49** (Muş): YAZICI et al. 2020a: 441; **62** (Tunceli): YAZICI & ASLAN 2022: 169.
- Acrocordia conoidea* (Fr.) Körb. — **62** (Tunceli): YAZICI & ASLAN 2022: 169.
- Acrocordia gemmata* (Ach.) A.Massal. — **61** (Trabzon): YAZICI & ASLAN 2023a: 21.
- Agonimia tristicula* (Nyl.) Zahlbr. — **12** (Bingöl): YAZICI et al. 2022: 23; **28** (Giresun): YAZICI & ASLAN 2023a: 22; **49** (Muş): YAZICI et al. 2020a: 441; **62** (Tunceli): YAZICI & ASLAN 2022: 170.
- Alectoria sarmentosa* (Ach.) Ach. — **28** (Giresun): YAZICI & ASLAN 2023a: 22.
- Alyxoria ochrocheila* (Nyl.) Ertz & Tehler — **53** (Rize): YAZICI & ASLAN 2023a: 22.
- Anaptychia crinalis* (Schleich.) Vězda — **28** (Giresun): YAZICI & ASLAN 2023a: 22.
- Anisomeridium polypori* (Ellis & Everh.) M.E.Barr. — **53** (Rize): YAZICI & ASLAN 2023a: 22.
- Arthonia atra* (Pers.) A.Schneid. — **53** (Rize): YAZICI & ASLAN 2023a: 22.
- **Arthonia clemens* (Tul.) Th.Fr. — **13** (Bitlis): YAZICI et al. 2020b: 4; **62** (Tunceli): YAZICI & ASLAN 2022: 170.
- Arthonia didyma* Körb. — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1695; **28** (Giresun): YAZICI & ASLAN 2023a: 22; **62** (Tunceli): YAZICI & ASLAN 2022: 170.
- **Arthonia epiphyscia* Nyl. — **13** (Bitlis): YAZICI et al. 2020b: 4; **49** (Muş): YAZICI et al. 2020a: 441.
- **Arthonia hertelii* (Calat., Barreno & V.J.Rico) Hafellner & Volk.John — **12** (Bingöl): YAZICI et al. 2022: 23; **49** (Muş): YAZICI et al. 2020a: 441.
- Arthonia mediella* Nyl. — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1695.
- **Arthonia phaeophysciae* Grube & Matzer — **13** (Bitlis): YAZICI et al. 2020b: 4.
- **Arthonia protoparmeliopsidis* Etayo & Diederich — **62** (Tunceli): YAZICI & ASLAN 2022: 170.
- **Arthonia punctella* Nyl. — **65** (Van): KARAGÖZ et al. 2022: 4.
- Arthonia radiata* (Pers.) Ach. — **61** (Trabzon): YAZICI & ASLAN 2023a: 22.
- **Arthonia varians* (Davies) Nyl. — **12** (Bingöl): YAZICI et al. 2022: 23; **13** (Bitlis): YAZICI et al. 2020b: 4; **49** (Muş): YAZICI et al. 2020a: 441; **62** (Tunceli): YAZICI & ASLAN 2022: 170; **65** (Van): KARAGÖZ et al. 2022: 4.
- Arthopyrenia salicis* A.Massal. — **53** (Rize): YAZICI & ASLAN 2023a: 22.
- Aspicilia albosparsa* (Werner) S.Y.Kondr. — **12** (Bingöl): YAZICI et al. 2022: 23; **62** (Tunceli): YAZICI & ASLAN 2022: 170.
- Aspicilia aquatica* (Fr.) Körb. — **62** (Tunceli): YAZICI & ASLAN 2022: 170.
- Aspicilia candida* (Anzi) Hue — **12** (Bingöl): YAZICI et al. 2022: 23; **62** (Tunceli): YAZICI & ASLAN 2022: 170.
- Aspicilia desertorum* (Kremp.) Mereschk. — **49** (Muş): YAZICI et al. 2020a: 441.
- Aspicilia epiglypta* (Norrl. ex Nyl.) Hue — **17** (Çanakkale): ORAN 2020: 436.
- Aspicilia glomerulans* (Poelt) Poelt — **12** (Bingöl): YAZICI et al. 2022: 23; **13** (Bitlis): YAZICI et al. 2020b: 5; **62** (Tunceli): YAZICI & ASLAN 2022: 170; **65** (Van): KARAGÖZ et al. 2022: 4.

- Aspicilia laevata* (Ach.) Arnold — **12** (Bingöl): YAZICI et al. 2022: 23; **49** (Muş): YAZICI et al. 2020a: 442; **62** (Tunceli): YAZICI & ASLAN 2022: 170.
- Aspicilia polychroma* Anzi — **12** (Bingöl): YAZICI et al. 2022: 23; **13** (Bitlis): YAZICI et al. 2020b: 5; **49** (Muş): YAZICI et al. 2020a: 442; **62** (Tunceli): YAZICI & ASLAN 2022: 170; **72** (Batman): YAZICI & ASLAN 2023b: 158.
- Aspicilia viridescens* (A. Massal.) Hue — **62** (Tunceli): YAZICI & ASLAN 2022: 170.
- Aspiciliella cupreoglauca* (B.de Lesd.) Zakeri, Divakar & Otte — **12** (Bingöl): YAZICI et al. 2022: 23; **62** (Tunceli): YAZICI & ASLAN 2022: 170 (as *Aspicilia cupreoglauca*).
- Aspiciliella intermutans* (Nyl.) M.Choisy — **12** (Bingöl): YAZICI et al. 2022: 23; **28** (Giresun): YAZICI & ASLAN 2023a: 22 (as *Aspicilia intermutans*); **49** (Muş): YAZICI et al. 2020a: 441 (as *Aspicilia intermutans*).
- Athallia cerinelloides* (Erichsen) Arup, Frödén & Söchting — **65** (Van): KARAGÖZ et al. 2022: 4.
- Athallia holocarpa* (Hoffm.) Arup, Frödén & Söchting — **12** (Bingöl): YAZICI et al. 2022: 23; **13** (Bitlis): YAZICI et al. 2020b: 5; **49** (Muş): YAZICI et al. 2020a: 442.
- Athallia inconnexa* (Nyl.) S.Y.Kondr. & Lökös — **12** (Bingöl): YAZICI et al. 2022: 23; **65** (Van): KARAGÖZ et al. 2022: 4.
- Athallia pyracea* (Ach.) Arup, Frödén & Söchting — **28** (Giresun): YAZICI & ASLAN 2023a: 22; **62** (Tunceli): YAZICI & ASLAN 2022: 170.
- Bacidia rubella* (Hoffm.) A.Massal. — **49** (Muş): YAZICI et al. 2020a: 442; **61** (Trabzon): YAZICI & ASLAN 2023a: 22.
- Bacidina arnoldiana* (Körb.) V.Wirth & Vězda — **53** (Rize): YAZICI & ASLAN 2023a: 22.
- Bagliettoa baldensis* (A.Massal.) Vězda — **12** (Bingöl): YAZICI et al. 2022: 23; **13** (Bitlis): YAZICI et al. 2020b: 5; **28** (Giresun): YAZICI & ASLAN 2023a: 22; **49** (Muş): YAZICI et al. 2020a: 442; **62** (Tunceli): YAZICI & ASLAN 2022: 170.
- Bagliettoa calciseda* (DC.) Gueidan & Cl.Roux — **12** (Bingöl): YAZICI et al. 2022: 24; **49** (Muş): YAZICI et al. 2020a: 442; **62** (Tunceli): YAZICI & ASLAN 2022: 170.
- Bagliettoa marmorea* (Scop.) Gueidan & Cl.Roux — **12** (Bingöl): YAZICI et al. 2022: 24; **62** (Tunceli): YAZICI & ASLAN 2022: 170; **65** (Van): KARAGÖZ et al. 2022: 4.
- Bagliettoa parmigera* (J.Steiner) Vězda & Poelt — **12** (Bingöl): YAZICI et al. 2022: 24; **13** (Bitlis): YAZICI et al. 2020b: 5; **17** (Çanakkale): ORAN 2020: 436; **49** (Muş): YAZICI et al. 2020a: 442.
- Bellemerea cinereorufescens* (Ach.) Clauzade & Cl.Roux — **12** (Bingöl): YAZICI et al. 2022: 24.
- Bellemerea cupreatra* (Nyl.) Clauzade & Cl. Roux — **62** (Tunceli): YAZICI & ASLAN 2022: 170.
- Bellemerea sanguinea* (Kremp.) Hafellner & Cl. Roux — **62** (Tunceli): YAZICI & ASLAN 2022: 170.
- Biatora globulosa* (Flörke) Fr. — **17** (Çanakkale): ORAN 2020: 436.
- Bilimbia lobulata* (Sommerf.) Hafellner & Coppins — **13** (Bitlis): YAZICI et al. 2020b: 5.
- Bilimbia sabuletorum* (Schreb.) Arnold — **13** (Bitlis): YAZICI et al. 2020b: 5; **61** (Trabzon): YAZICI & ASLAN 2023a: 22; **62** (Tunceli): YAZICI & ASLAN 2022: 170.
- Blastenia crenularia* (With.) Arup, Söchting & Frödén — **12** (Bingöl): YAZICI et al. 2022: 24; **13** (Bitlis): YAZICI et al. 2020b: 5; **49** (Muş): YAZICI et al. 2020a: 442; **53** (Rize): YAZICI & ASLAN 2023a: 22.
- Blastenia ferruginea* (Huds.) A.Massal. — **13** (Bitlis): YAZICI et al. 2020b: 5; **49** (Muş): YAZICI et al. 2020a: 442; **62** (Tunceli): YAZICI & ASLAN 2022: 170.
- Blastenia herbidella* (Hue) Servit — **17** (Çanakkale): ORAN 2020: 436; **62** (Tunceli): YAZICI & ASLAN 2022: 171 (as *Caloplaca herbidella*); **65** (Van): KARAGÖZ et al. 2022: 5 (as *Caloplaca herbidella*).
- Blennothallia crispa* (Huds.) Otálora, P.M.Jørg. & Wedin — **12** (Bingöl): YAZICI et al. 2022: 24; **13** (Bitlis): YAZICI et al. 2020b: 5; **49** (Muş): YAZICI et al. 2020a: 442; **62** (Tunceli): YAZICI & ASLAN 2022: 170.
- Bryobilimbia hypnorum* (Lib.) Fryday, Printzen & S.Ekman — **28** (Giresun): YAZICI & ASLAN 2023a: 22; **49** (Muş): YAZICI et al. 2020a: 442.

- Bryobilimbia sanguineoatra* (Wulfen) Fryday, Printzen & S.Ekman — **49** (Muş): YAZICI et al. 2020a: 442; **62** (Tunceli): YAZICI & ASLAN 2022: 170.
- Bryoria capillaris* (Ach.) Brodo & D.Hawksw. — **17** (Çanakkale): ORAN 2020: 436.
- Bryoria nadvornikiana* (Gyeln.) Brodo & D.Hawksw. — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1695.
- **Bryostigma epiphyscium* (Nyl.) S.Y.Kondr. & Hur — **12** (Bingöl): YAZICI et al. 2022: 24; **28** (Giresun): YAZICI & ASLAN 2023a: 22; **62** (Tunceli): YAZICI & ASLAN 2022: 170.
- Bryostigma lapidicola* (Taylor) S.Y.Kondr. & Hur — **12** (Bingöl): YAZICI et al. 2022: 24; **13** (Bitlis): YAZICI et al. 2020b: 4 (as *Arthonia lapidicola*); **28** (Giresun): YAZICI & ASLAN 2023a: 22; **49** (Muş): YAZICI et al. 2020a: 441 (as *Arthonia lapidicola*); **62** (Tunceli): YAZICI & ASLAN 2022: 170; **65** (Van): KARAGÖZ et al. 2022: 4.
- **Bryostigma phaeophysciae* (Grube & Matzer) S.Y.Kondr. & Hur — **12** (Bingöl): YAZICI et al. 2022: 24; **61** (Trabzon): YAZICI & ASLAN 2023a: 22; **62** (Tunceli): YAZICI & ASLAN 2022: 170.
- Buellia aethalea* (Ach.) Th.Fr. — **12** (Bingöl): YAZICI et al. 2022: 24; **13** (Bitlis): YAZICI et al. 2020b: 5; **17** (Çanakkale): ORAN 2020: 436; **49** (Muş): YAZICI et al. 2020a: 442; **62** (Tunceli): YAZICI & ASLAN 2022: 171; **65** (Van): KARAGÖZ et al. 2022: 4.
- Buellia caldesiana* Bagl. — **12** (Bingöl): YAZICI et al. 2022: 24.
- Buellia dives* (Th.Fr.) Th.Fr. — **28** (Giresun): YAZICI & ASLAN 2023a: 22.
- Buellia epigaea* (Pers.) Tuck. — **12** (Bingöl): YAZICI et al. 2022: 24; **13** (Bitlis): YAZICI et al. 2020b: 5; **62** (Tunceli): YAZICI & ASLAN 2022: 171.
- Buellia griseovirens* (Sm.) Almb. — **61** (Trabzon): YAZICI & ASLAN 2023a: 23.
- Buellia imshaugii* Hafellner — **62** (Tunceli): YAZICI & ASLAN 2022: 171.
- Buellia leptocline* (Flot.) A.Massal. — **17** (Çanakkale): ORAN 2020: 436.
- Buellia ocellata* (Flörke ex Flot.) Körb. — **49** (Muş): YAZICI et al. 2020a: 442; **62** (Tunceli): YAZICI & ASLAN 2022: 171.
- Buellia stellulata* (Taylor) Mudd — **53** (Rize): YAZICI & ASLAN 2023a: 23; **62** (Tunceli): YAZICI & ASLAN 2022: 171.
- Calicium trabinellum* (Ach.) Ach. — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1695.
- Calogaya arnoldii* (Wedd.) Arup, Frödén & Söchting — **12** (Bingöl): YAZICI et al. 2022: 24.
- Calogaya biatorina* (A.Massal.) Arup, Frödén & Söchting — **12** (Bingöl): YAZICI et al. 2022: 24; **49** (Muş): YAZICI et al. 2020a: 442; **62** (Tunceli): YAZICI & ASLAN 2022: 171.
- Calogaya decipiens* (Arnold) Arup, Frödén & Söchting — **12** (Bingöl): YAZICI et al. 2022: 24; **13** (Bitlis): YAZICI et al. 2020b: 5; **49** (Muş): YAZICI et al. 2020a: 442; **62** (Tunceli): YAZICI & ASLAN 2022: 171.
- Calogaya pusilla* (A.Massal.) Arup, Frödén & Söchting — **12** (Bingöl): YAZICI et al. 2022: 24.
- Calogaya saxicola* (Hoffm.) Vondrák — **12** (Bingöl): YAZICI et al. 2022: 24; **49** (Muş): YAZICI et al. 2020a: 442; **65** (Van): KARAGÖZ et al. 2022: 4.
- Calogaya schistidii* (Anzi) Arup, Frödén & Söchting — **12** (Bingöl): YAZICI et al. 2022: 24; **49** (Muş): YAZICI et al. 2020a: 442; **62** (Tunceli): YAZICI & ASLAN 2022: 171; **65** (Van): KARAGÖZ et al. 2022: 5.
- Caloplaca albolutescens* (Nyl.) H.Olivier — **13** (Bitlis): YAZICI et al. 2020b: 5; **49** (Muş): YAZICI et al. 2020a: 442.
- Caloplaca aractina* (Fr.) Häyrén — **49** (Muş): YAZICI et al. 2020a: 442.
- Caloplaca areolata* (Zahlbr.) Clauzade — **12** (Bingöl): YAZICI et al. 2022: 24; **13** (Bitlis): YAZICI et al. 2020b: 5; **49** (Muş): YAZICI et al. 2020a: 442; **62** (Tunceli): YAZICI & ASLAN 2022: 171;
- Caloplaca atroflava* (Turner) Mong. — **13** (Bitlis): YAZICI et al. 2020b: 5; **49** (Muş): YAZICI et al. 2020a: 442.
- Caloplaca ceracea* J.R.Laundon — **12** (Bingöl): YAZICI et al. 2022: 24; **13** (Bitlis): YAZICI et al. 2020b: 5; **49** (Muş): YAZICI et al. 2020a: 442; **62** (Tunceli): YAZICI & ASLAN 2022: 171.
- Caloplaca cerina* (Ehrh. ex Hedw.) Th.Fr. — **49** (Muş): YAZICI et al. 2020a: 442; **65** (Van): KARAGÖZ et al. 2022: 5.

- Caloplaca cerina* var. *muscorum* (A.Massal.) Jatta — **12** (Bingöl): YAZICI et al. 2022: 24.
- Caloplaca chlorina* (Flot.) Sandst. — **13** (Bitlis): YAZICI et al. 2020b: 5; **49** (Muş): YAZICI et al. 2020a: 442; **62** (Tunceli): YAZICI & ASLAN 2022: 171.
- Caloplaca conglomerata* (Bagl.) Jatta — **62** (Tunceli): YAZICI & ASLAN 2022: 171 (as *Caloplaca pellodella*); **65** (Van): KARAGÖZ et al. 2022: 5 (as *Caloplaca pellodella*).
- Caloplaca dalmatica* (A.Massal.) H.Olivier — **65** (Van): KARAGÖZ et al. 2022: 5.
- Caloplaca erythrocarpa* (Pers.) Zwackh — **17** (Çanakkale): ORAN 2020: 437.
- Caloplaca fuscoatroides* J.Steiner — **13** (Bitlis): YAZICI et al. 2020b: 5.
- Caloplaca inconnexa* (Nyl.) Zahlbr. — **49** (Muş): YAZICI et al. 2020a: 442.
- Caloplaca nector* Poelt & Clauzade — **13** (Bitlis): YAZICI et al. 2020b: 5.
- Caloplaca obscurella* (J.Lahm ex Körb.) Th.Fr. — **12** (Bingöl): YAZICI et al. 2022: 24; **13** (Bitlis): YAZICI et al. 2020b: 5; **62** (Tunceli): YAZICI & ASLAN 2022: 171.
- Caloplaca pellodella* (Nyl.) Hasse — **13** (Bitlis): YAZICI et al. 2020b: 5; **49** (Muş): YAZICI et al. 2020a: 442; **62** (Tunceli): YAZICI & ASLAN 2022: 171; **65** (Van): KARAGÖZ et al. 2022: 5.
- Caloplaca sororicida* M.Steiner & Poelt — **12** (Bingöl): YAZICI et al. 2022: 24; **62** (Tunceli): YAZICI & ASLAN 2022: 171.
- Caloplaca stillicidiorum* (Vahl) Lynge — **49** (Muş): YAZICI et al. 2020a: 442; **65** (Van): KARAGÖZ et al. 2022: 5 (as *Caloplaca cerina* var. *chloroleuca*).
- Caloplaca teicholyta* (Ach.) J.Steiner — **49** (Muş): YAZICI et al. 2020a: 442; **62** (Tunceli): YAZICI & ASLAN 2022: 171.
- Caloplaca viridirufa* (Ach.) Zahlbr. — **62** (Tunceli): YAZICI & ASLAN 2022: 171.
- Caloplaca xerica* Poelt & Vězda — **12** (Bingöl): YAZICI et al. 2022: 24; **49** (Muş): YAZICI et al. 2020a: 442; **62** (Tunceli): YAZICI & ASLAN 2022: 171.
- Calvitimela aglaea* (Sommerf.) Hafellner — **65** (Van): KARAGÖZ et al. 2022: 5.
- Candelaria concolor* (Dicks.) Stein — **13** (Bitlis): YAZICI et al. 2020b: 5; **53** (Rize): YAZICI & ASLAN 2023a: 23.
- Candelariella antennaria* Räsänen — **12** (Bingöl): YAZICI et al. 2022: 24; **62** (Tunceli): YAZICI & ASLAN 2022: 171.
- Candelariella aurella* (Hoffm.) Zahlbr. — **12** (Bingöl): YAZICI et al. 2022: 25; **13** (Bitlis): YAZICI et al. 2020b: 5; **49** (Muş): YAZICI et al. 2020a: 442.
- Candelariella coralliza* (Nyl.) H.Magn. — **49** (Muş): YAZICI et al. 2020a: 442.
- Candelariella kuusamoensis* Räsänen — **12** (Bingöl): YAZICI et al. 2022: 25; **13** (Bitlis): YAZICI et al. 2020b: 5; **49** (Muş): YAZICI et al. 2020a: 442; **62** (Tunceli): YAZICI & ASLAN 2022: 171.
- Candelariella reflexa* (Nyl.) Lettau — **12** (Bingöl): YAZICI et al. 2022: 25; **13** (Bitlis): YAZICI et al. 2020b: 5; **49** (Muş): YAZICI et al. 2020a: 443; **53** (Rize): YAZICI & ASLAN 2023a: 23; **62** (Tunceli): YAZICI & ASLAN 2022: 172; **65** (Van): KARAGÖZ et al. 2022: 5.
- Candelariella xanthostigma* (Pers. ex Ach.) Lettau — **12** (Bingöl): YAZICI et al. 2022: 25; **13** (Bitlis): YAZICI et al. 2020b: 5; **49** (Muş): YAZICI et al. 2020a: 443.
- **Carbonea supersparsa* (Nyl.) Hertel — **12** (Bingöl): YAZICI et al. 2022: 25; **65** (Van): KARAGÖZ et al. 2022: 5.
- **Carbonea vitellinaria* (Nyl.) Hertel — **12** (Bingöl): YAZICI et al. 2022: 25; **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 443; **62** (Tunceli): YAZICI & ASLAN 2022: 172; **65** (Van): KARAGÖZ et al. 2022: 5.
- Carbonea vorticosa* (Flörke) Hertel — **12** (Bingöl): YAZICI et al. 2022: 25; **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 443; **61** (Trabzon): YAZICI & ASLAN 2023a: 23; **62** (Tunceli): YAZICI & ASLAN 2022: 172.
- Catapyrenium daedaleum* (Kremp.) Stein — **13** (Bitlis): YAZICI et al. 2020b: 6.
- Catillaria atomarioides* (Müll.Arg.) H.Kiliyas — **17** (Çanakkale): ORAN 2020: 437.
- Catillaria chalybeia* (Borrer) A.Massal. — **17** (Çanakkale): ORAN 2020: 437.
- **Cercidospora epipolytropa* (Mudd) Arnold — **12** (Bingöl): YAZICI et al. 2022: 25.

- **Cercidospora macrospora* (Uloth) Hafellner & Nav.-Ros. — **12** (Bingöl): YAZICI et al. 2022: 25; **49** (Muş): YAZICI et al. 2020a: 443; **53** (Rize): YAZICI & ASLAN 2023a: 23; **62** (Tunceli): YAZICI & ASLAN 2022: 172.
- **Cercidospora melanophthalma* Nav.-Ros., Calat. & Hafellner — **12** (Bingöl): YAZICI et al. 2022: 25; **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 443.
- **Cercidospora xanthoriae* (Wedd.) R.Sant. — **28** (Giresun): YAZICI & ASLAN 2023a: 23.
- Cetrelia cetrarioides* (Duby) W.L.Culb. & C.F.Culb. — **61** (Trabzon): YAZICI & ASLAN 2023a: 23.
- Chaenotheca furfuracea* (L.) Tibell — **53** (Rize): YAZICI & ASLAN 2023a: 23.
- Chrysothrix chlorina* (Ach.) J.R. Laundon — **28** (Giresun): YAZICI & ASLAN 2023a: 23; **49** (Muş): YAZICI et al. 2020a: 443; **53** (Rize): YAZICI & ASLAN 2023a: 23.
- Circinaria caesiocinerea* (Nyl. ex Malbr.) A.Nordin, Savić & Tibell — **49** (Muş): YAZICI et al. 2020a: 443; **65** (Van): KARAGÖZ et al. 2022: 5.
- Circinaria calcarea* (L.) A.Nordin, Savić & Tibell — **49** (Muş): YAZICI et al. 2020a: 443.
- Circinaria contorta* (Hoffm.) A.Nordin, Savić & Tibell — **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 443.
- Circinaria coronata* (A.Massal.) A.Nordin, Savić & Tibell — **12** (Bingöl): YAZICI et al. 2022: 23 (as *Aspicilia coronata*); **13** (Bitlis): YAZICI et al. 2020b: 5 (as *Aspicilia coronata*); **62** (Tunceli): YAZICI & ASLAN 2022: 170 (as *Aspicilia coronata*).
- Circinaria fruticulosa* (Eversm.) Sohrabi — **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 443.
- Circinaria hoffmanniana* (R.Sant.) A.Nordin — **12** (Bingöl): YAZICI et al. 2022: 25; **13** (Bitlis): YAZICI et al. 2020b: 6; **17** (Çanakkale): ORAN 2020: 437; **28** (Giresun): YAZICI & ASLAN 2023a: 23; **49** (Muş): YAZICI et al. 2020a: 443; **62** (Tunceli): YAZICI & ASLAN 2022: 172; **65** (Van): KARAGÖZ et al. 2022: 5.
- Cladonia arbuscula* (Wallr.) Flot. — **53** (Rize): YAZICI & ASLAN 2023a: 24.
- Cladonia caespiticia* (Pers.) Flörke — **53** (Rize): YAZICI & ASLAN 2023a: 24.
- Cladonia cariosa* (Ach.) Spreng. — **28** (Giresun): YAZICI & ASLAN 2023a: 24.
- Cladonia chlorophaea* (Sommerf.) Spreng. — **12** (Bingöl): YAZICI et al. 2022: 25; **28** (Giresun): YAZICI & ASLAN 2023a: 24.
- Cladonia coniocraea* (Flörke) Spreng. — **12** (Bingöl): YAZICI et al. 2022: 25; **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 443; **62** (Tunceli): YAZICI & ASLAN 2022: 172.
- Cladonia deformis* (L.) Hoffm. — **12** (Bingöl): YAZICI et al. 2022: 25.
- Cladonia foliacea* (Huds.) Willd. — **12** (Bingöl): YAZICI et al. 2022: 25; **13** (Bitlis): YAZICI et al. 2020b: 6.
- Cladonia humilis* (With.) J.R.Laundon — **53** (Rize): YAZICI & ASLAN 2023a: 24; **61** (Trabzon): PINO-BODAS et al. 2013: 677.
- Cladonia parasitica* (Hoffm.) Hoffm. — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1696; **17** (Çanakkale): ORAN 2020: 437.
- Cladonia pocillum* (Ach.) O.J. Rich. — **62** (Tunceli): YAZICI & ASLAN 2022: 172.
- Cladonia pyxidata* (L.) Hoffm. — **12** (Bingöl): YAZICI et al. 2022: 25; **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 443; **62** (Tunceli): YAZICI & ASLAN 2022: 172.
- Cladonia rangiformis* Hoffm. — **49** (Muş): YAZICI et al. 2020a: 443.
- Clauzadea chondrodes* (A.Massal.) Clauzade & Cl.Roux — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1696.
- Clauzadea monticola* (Ach.) Hafellner & Bellem. — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1696; **65** (Van): KARAGÖZ et al. 2022: 5.
- Collema flaccidum* (Ach.) Ach. — **12** (Bingöl): YAZICI et al. 2022: 25; **13** (Bitlis): YAZICI et al. 2020b: 6; **62** (Tunceli): YAZICI & ASLAN 2022: 172.
- Collema furfuraceum* (Schaer.) Du Rietz — **49** (Muş): YAZICI et al. 2020a: 443; **62** (Tunceli): YAZICI & ASLAN 2022: 172.

- Collema subflacidum* Degel. — **12** (Bingöl): YAZICI et al. 2022: 25; **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 443; **53** (Rize): YAZICI & ASLAN 2023a: 24.
- Coppinsiella ulcerosa* (Coppins & P.James) S.Y.Kondr. & Lökös — **65** (Van): KARAGÖZ et al. 2022: 5.
- Cornicularia normoerica* (Gunnerus) Du Rietz — **65** (Van): KARAGÖZ et al. 2022: 5.
- **Dactylospora homoclinella* (Nyl.) Hafellner — **13** (Bitlis): YAZICI et al. 2020b: 6.
- Dermatocarpon complicatum* (Lightf.) W.Mann — **28** (Giresun): YAZICI & ASLAN 2023a: 24 (as *D. miniatum* var. *complicatum*).
- Dermatocarpon intestiniforme* (Körb.) Hasse — **12** (Bingöl): YAZICI et al. 2022: 25; **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 443.
- Dermatocarpon miniatum* (L.) W.Mann — **12** (Bingöl): YAZICI et al. 2022: 25; **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 443.
- Dermatocarpon miniatum* (L.) W. Mann var. *cirsodes* (Ach.) Zahlbr. — **62** (Tunceli): YAZICI & ASLAN 2022: 172.
- Dermatocarpon vellereum* Zschacke — **65** (Van): KARAGÖZ et al. 2022: 5.
- Dimelaena oreina* (Ach.) Norman — **12** (Bingöl): YAZICI et al. 2022: 25; **17** (Çanakkale): ORAN 2020: 438; **49** (Muş): YAZICI et al. 2020a: 443; **62** (Tunceli): YAZICI & ASLAN 2022: 172.
- Dimelaena radiata* (Tuck.) Hale & W.L.Culb. — **13** (Bitlis): YAZICI et al. 2020b: 6.
- Diploschistes caesioplumbeus* (Nyl.) Vain. — **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 443; **53** (Rize): YAZICI & ASLAN 2023a: 24; **62** (Tunceli): YAZICI & ASLAN 2022: 172.
- Diploschistes diacapsis* (Ach.) Lumbsch — **13** (Bitlis): YAZICI et al. 2020b: 6.
- Diploschistes gypsaceus* (Ach.) Zahlbr. — **12** (Bingöl): YAZICI et al. 2022: 25; **13** (Bitlis): YAZICI et al. 2020b: 6; **17** (Çanakkale): ORAN 2020: 438; **49** (Muş): YAZICI et al. 2020a: 443; **62** (Tunceli): YAZICI & ASLAN 2022: 172.
- Diploschistes muscorum* (Scop.) R.Sant. — **10** (Balıkesir): ORAN 2020: 438; **12** (Bingöl): YAZICI et al. 2022: 26; **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 443.
- Diploschistes scruposus* (Schreb.) Norman — **12** (Bingöl): YAZICI et al. 2022: 26; **49** (Muş): YAZICI et al. 2020a: 443; **62** (Tunceli): YAZICI & ASLAN 2022: 172; **65** (Van): KARAGÖZ et al. 2022: 5.
- Diplotomma alboatrum* (Hoffm.) Flot. — **12** (Bingöl): YAZICI et al. 2022: 26; **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 443; **62** (Tunceli): YAZICI & ASLAN 2022: 172; **65** (Van): KARAGÖZ et al. 2022: 5.
- Diplotomma ambiguum* (Ach.) Flagey — **12** (Bingöl): YAZICI et al. 2022: 26.
- Diplotomma chlorophaeum* (Hepp ex Leight.) Szatala — **62** (Tunceli): YAZICI & ASLAN 2022: 172.
- Diplotomma epipolium* (Ach.) Arnold — **12** (Bingöl): YAZICI et al. 2022: 26; **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 443.
- Diplotomma venustum* (Körb.) Körb. — **13** (Bitlis): YAZICI et al. 2020b: 6; **28** (Giresun): YAZICI & ASLAN 2023a: 24; **49** (Muş): YAZICI et al. 2020a: 443; **62** (Tunceli): YAZICI & ASLAN 2022: 172.
- Enchylium conglomeratum* (Hoffm.) Otálora, P.M.Jørg. & Wedin — **13** (Bitlis): YAZICI et al. 2020b: 6.
- Enchylium limosum* (Ach.) Otálora, P.M. Jørg. & Wedin — **62** (Tunceli): YAZICI & ASLAN 2022: 172.
- Enchylium polycarpon* (Hoffm.) Otálora, P.M.Jørg. & Wedin — **12** (Bingöl): YAZICI et al. 2022: 26; **13** (Bitlis): YAZICI et al. 2020b: 6 (as *Collema polycarpon*); **62** (Tunceli): YAZICI & ASLAN 2022: 172.
- Enchylium tenax* (Sw.) Gray — **12** (Bingöl): YAZICI et al. 2022: 26; **13** (Bitlis): YAZICI et al. 2020b: 6 (as *Collema tenax*); **28** (Giresun): YAZICI & ASLAN 2023a: 24; **49** (Muş): YAZICI et al. 2020a: 443 (as *Collema tenax*); **65** (Van): KARAGÖZ et al. 2022: 5.
- Endocarpon adscendens* (Anzi) Müll.Arg. — **12** (Bingöl): YAZICI et al. 2022: 26; **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 443; **61** (Trabzon): YAZICI & ASLAN 2023a: 24; **62** (Tunceli): YAZICI & ASLAN 2022: 172.

- Endocarpon pallidum* Ach. — **13** (Bitlis): YAZICI et al. 2020b: 6.
- Endocarpon pusillum* Hedw. — **12** (Bingöl): YAZICI et al. 2022: 26; **13** (Bitlis): YAZICI et al. 2020b: 6.
- **Endococcus macrosporus* (Arnold) Nyl. — **12** (Bingöl): YAZICI et al. 2022: 26; **13** (Bitlis): YAZICI et al. 2020b: 6; **28** (Giresun): YAZICI & ASLAN 2023a: 24; **49** (Muş): YAZICI et al. 2020a: 443; **62** (Tunceli): YAZICI & ASLAN 2022: 173; **65** (Van): KARAGÖZ et al. 2022: 5.
- **Endococcus propinquus* (Körb.) D.Hawksw. — **65** (Van): KARAGÖZ et al. 2022: 5.
- **Endococcus rugulosus* (Borrer ex Leight.) Nyl. — **12** (Bingöl): YAZICI et al. 2022: 26; **13** (Bitlis): YAZICI et al. 2020b: 6; **61** (Trabzon): YAZICI & ASLAN 2023a: 24.
- **Endococcus verrucosus* Hafellner — **12** (Bingöl): YAZICI et al. 2022: 26; **62** (Tunceli): YAZICI & ASLAN 2022: 173.
- **Endohyalina insularis* (Arnold) Giralt, P.Boom & Elix — **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 443.
- Erichsenia epithallina* (Lyngé) S.Y.Kondr., Kärnefelt & A.Thell — **12** (Bingöl): YAZICI et al. 2022: 26; **49** (Muş): YAZICI et al. 2020a: 442 (as *Caloplaca epithallina*).
- Farnoldia micropsis* (A.Massal.) Hertel — **12** (Bingöl): YAZICI et al. 2022: 26.
- Flavoplaca arcis* (Poelt & Vezda) Arup, Frödén & Söchting — **65** (Van): KARAGÖZ et al. 2022: 5.
- Flavoplaca citrina* (Hoffm.) Arup, Frödén & Söchting — **12** (Bingöl): YAZICI et al. 2022: 26; **65** (Van): KARAGÖZ et al. 2022: 5.
- Flavoplaca coronata* (Kremp. ex Körb.) Arup, Frödén & Söchting — **12** (Bingöl): YAZICI et al. 2022: 26; **62** (Tunceli): YAZICI & ASLAN 2022: 173; **65** (Van): KARAGÖZ et al. 2022: 5.
- Flavoplaca flavocitrina* (Nyl.) Arup, Frödén & Söchting — **12** (Bingöl): YAZICI et al. 2022: 26; **13** (Bitlis): YAZICI et al. 2020b: 6; **62** (Tunceli): YAZICI & ASLAN 2022: 173; **65** (Van): KARAGÖZ et al. 2022: 5 (as *Caloplaca flavocitrina*).
- Flavoplaca polycarpa* (A.Massal.) Arup, Frödén & Söchting — **65** (Van): KARAGÖZ et al. 2022: 5 (as *Caloplaca tenuatula*).
- Fuscidea cyathoides* (Ach.) V.Wirth & Vězda — **61** (Trabzon): YAZICI & ASLAN 2023: 25.
- Fuscopannaria mediterranea* (C.Tav.) P.M.Jørg. — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1696.
- Glaucomarina bicincta* (Ramond) S.Y.Kondr., Lökös & Farkas — **12** (Bingöl): YAZICI et al. 2022: 26; **28** (Giresun): YAZICI & ASLAN 2023a: 25; **49** (Muş): YAZICI et al. 2020a: 444 (as *Lecanora bicincta*); **62** (Tunceli): YAZICI & ASLAN 2022: 173.
- Glaucomarina carpinea* (L.) S.Y.Kondr., Lökös & Farkas — **62** (Tunceli): YAZICI & ASLAN 2022: 173.
- Glaucomarina leptyrodes* (G.B.F. Nilsson) S.Y. Kondr., Lökös & Farkas — **28** (Giresun): YAZICI & ASLAN 2023a: 25.
- Glaucomarina sulphurea* (Hoffm.) S.Y.Kondr., Lökös & Farkas — **12** (Bingöl): YAZICI et al. 2022: 26; **13** (Bitlis): YAZICI et al. 2020b: 7 (as *Lecanora sulphurea*); **28** (Giresun): YAZICI & ASLAN 2023a: 25; **49** (Muş): YAZICI et al. 2020a: 444 (as *Lecanora sulphurea*).
- Glaucomarina swartzii* (Ach.) S.Y.Kondr., Lökös & Farkas — **13** (Bitlis): YAZICI et al. 2020b: 7 (as *Lecanora swartzii*); **28** (Giresun): YAZICI & ASLAN 2023a: 25; **49** (Muş): YAZICI et al. 2020a: 444 (as *Lecanora swartzii*); **62** (Tunceli): YAZICI & ASLAN 2022: 173; **65** (Van): KARAGÖZ et al. 2022: 5.
- Glypholecia scabra* (Pers.) Müll.Arg. — **12** (Bingöl): YAZICI et al. 2022: 23 (as *Acarospora scabra*); **65** (Van): KARAGÖZ et al. 2022: 4 (as *Acarospora scabra*).
- Golubkovia trachyphylla* (Tuck.) S.Y.Kondr. et al. — **65** (Van): KARAGÖZ et al. 2022: 6.
- Gregorella humida* (Kullh.) Lumbsch — **53** (Rize): YAZICI & ASLAN 2023a: 25.
- Gyalolechia bracteata* (Hoffm.) A.Massal. — **12** (Bingöl): YAZICI et al. 2022: 26.
- Gyalolechia flavorubescens* (Huds.) Söchting, Frödén & Arup — **12** (Bingöl): YAZICI et al. 2022: 26; **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 443; **53** (Rize): YAZICI & ASLAN 2023a: 25; **62** (Tunceli): YAZICI & ASLAN 2022: 173; **65** (Van): KARAGÖZ et al. 2022: 6.

- Gyalolechia flavovirescens* (Wulfen) Søchting, Frödén & Arup — **12** (Bingöl): YAZICI et al. 2022: 26; **49** (Muş): YAZICI et al. 2020a: 443; **53** (Rize): YAZICI & ASLAN 2023a: 25; **62** (Tunceli): YAZICI & ASLAN 2022: 173.
- Gyalolechia fulgens* (Sw.) Søchting, Frödén & Arup — **12** (Bingöl): YAZICI et al. 2022: 26; **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 443; **65** (Van): KARAGÖZ et al. 2022: 6.
- Gyalolechia fulgida* (Nyl.) Søchting, Frödén & Arup — **49** (Muş): YAZICI et al. 2020a: 443; **62** (Tunceli): YAZICI & ASLAN 2022: 173.
- Gyalolechia subbracteata* (Nyl.) Søchting, Frödén & Arup — **12** (Bingöl): YAZICI et al. 2022: 26; **62** (Tunceli): YAZICI & ASLAN 2022: 173.
- Heteroplacidium compactum* (A.Massal.) Gueidan & Cl.Roux — **13** (Bitlis): YAZICI et al. 2020b: 6; **62** (Tunceli): YAZICI & ASLAN 2022: 173.
- Heteroplacidium fuscum* (Nyl.) Gueidan & Cl.Roux — **49** (Muş): YAZICI et al. 2020a: 443; **65** (Van): KARAGÖZ et al. 2022: 6.
- Hymenelia prevostii* (Duby) Kremp. — **65** (Van): KARAGÖZ et al. 2022: 6.
- Hyperphyscia adglutinata* (Flörke) H.Mayrhofer & Poelt — **53** (Rize): YAZICI & ASLAN 2023a: 25.
- Hypogymnia vittata* (Ach.) Parrique — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1696.
- Hypotrachyna afrorevoluta* (Krog & Swinscow) Krog & Swinscow — **53** (Rize): YAZICI & ASLAN 2023a: 25.
- Immersaria athroocarpa* (Ach.) Rambold & Pietschm. — **12** (Bingöl): YAZICI et al. 2022: 26; **62** (Tunceli): YAZICI & ASLAN 2022: 173; **65** (Van): KARAGÖZ et al. 2022: 6.
- Immersaria cupreoatra* (Nyl.) Calat. & Rambold — **12** (Bingöl): YAZICI et al. 2022: 24 (as *Bellemerea cupreoatra*); **13** (Bitlis): YAZICI et al. 2020b: 5 (as *Bellemerea cupreoatra*); **49** (Muş): YAZICI et al. 2020a: 442 (as *Bellemerea cupreoatra*).
- Immersaria usbekica* (Hertel) M.Barbero, Nav.-Ros. & Cl.Roux — **12** (Bingöl): YAZICI et al. 2022: 26; **62** (Tunceli): YAZICI & ASLAN 2022: 173.
- Ingvariella bispora* (Bagl.) Guderley & Lumbsch — **28** (Giresun): YAZICI & ASLAN 2023a: 25.
- **Intralichen christiansenii* (D.Hawksw.) D.Hawksw. & M.S.Cole — **65** (Van): KARAGÖZ et al. 2022: 6.
- **Intralichen lichenicola* (M.S.Christ. & D.Hawksw.) D.Hawksw. & M.S.Cole — **49** (Muş): YAZICI et al. 2020a: 444.
- Ionaspid lacustris* (With.) Lutzoni — **12** (Bingöl): YAZICI et al. 2022: 26; **13** (Bitlis): YAZICI et al. 2020b: 6; **28** (Giresun): YAZICI & ASLAN 2023a: 25; **49** (Muş): YAZICI et al. 2020a: 444; **53** (Rize): YAZICI & ASLAN 2023a: 25; **62** (Tunceli): YAZICI & ASLAN 2022: 173; **65** (Van): KARAGÖZ et al. 2022: 6.
- Kuettlingeria albolutescens* (Nyl.) I.V.Frolov, Vondrák & Arup — **12** (Bingöl): YAZICI et al. 2022: 32 (as *Pyrenodesmia albolutescens*).
- Kuettlingeria atroflava* (Turner) I.V. Frolov, Vondrák & Arup — **12** (Bingöl): YAZICI et al. 2022: 32 (as *Pyrenodesmia atroflava*); **62** (Tunceli): YAZICI & ASLAN 2022: 179 (as *Pyrenodesmia atroflava*).
- Kuettlingeria soralifera* (Vondrák & Hrouzek) I.V. Frolov, Vondrák & Arup — **62** (Tunceli): YAZICI & ASLAN 2022: 171 (as *Caloplaca soralifera*).
- Lambiella insularis* (Nyl.) T.Sprib. — **12** (Bingöl): YAZICI et al. 2022: 26; **62** (Tunceli): YAZICI & ASLAN 2022: 173.
- Lathagrium auriforme* Otálora, P.M.Jørg. & Wedin — **12** (Bingöl): YAZICI et al. 2022: 26; **13** (Bitlis): YAZICI et al. 2020b: 6 (as *Collema auriforme*); **49** (Muş): YAZICI et al. 2020a: 444; **62** (Tunceli): YAZICI & ASLAN 2022: 173; **65** (Van): KARAGÖZ et al. 2022: 6.
- Lathagrium cristatum* (L.) Otálora, P.M.Jørg. & Wedin — **12** (Bingöl): YAZICI et al. 2022: 27; **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 444; **65** (Van): KARAGÖZ et al. 2022: 6.

- Lathagrium fuscovirens* (With.) Otálora, P.M.Jørg. & Wedin — **12** (Bingöl): YAZICI et al. 2022: 27; **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 444; **62** (Tunceli): YAZICI & ASLAN 2022: 173.
- Lathagrium undulatum* (Flot.) Otálora, P.M.Jørg. & Wedin — **12** (Bingöl): YAZICI et al. 2022: 27; **62** (Tunceli): YAZICI & ASLAN 2022: 173.
- Lecania cuprea* (A.Massal.) P.Boom & Coppins — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1696; **12** (Bingöl): YAZICI et al. 2022: 27.
- Lecania cyrtella* (Ach.) Th. Fr. — **62** (Tunceli): YAZICI & ASLAN 2022: 173.
- Lecania cyrtellina* (Nyl.) Sandst. — **28** (Giresun): YAZICI & ASLAN 2023a: 25; **61** (Trabzon): YAZICI & ASLAN 2023a: 25.
- Lecania erysibe* (Ach.) Mudd — **13** (Bitlis): YAZICI et al. 2020b: 6.
- Lecania fuscella* (Schaer.) Körb. — **12** (Bingöl): YAZICI et al. 2022: 27; **13** (Bitlis): YAZICI et al. 2020b: 6; **61** (Trabzon): YAZICI & ASLAN 2023a: 25; **62** (Tunceli): YAZICI & ASLAN 2022: 173; **65** (Van): KARAGÖZ et al. 2022: 6.
- Lecania inundata* (Hepp ex Körb.) M.Mayrhofer — **13** (Bitlis): YAZICI et al. 2020b: 6; **49** (Muş): YAZICI et al. 2020a: 444; **62** (Tunceli): YAZICI & ASLAN 2022: 173.
- Lecania naegeli* (Hepp) Diederich & P.Boom — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1696.
- Lecania olivacella* (Nyl.) Zahlbr. — **13** (Bitlis): YAZICI et al. 2020b: 7; **65** (Van): KARAGÖZ et al. 2022: 6.
- Lecania rabenhorstii* (Hepp) Arnold — **13** (Bitlis): YAZICI et al. 2020b: 7; **65** (Van): KARAGÖZ et al. 2022: 6.
- Lecania turicensis* (Hepp) Müll.Arg. — **12** (Bingöl): YAZICI et al. 2022: 27; **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 444; **62** (Tunceli): YAZICI & ASLAN 2022: 173; **65** (Van): KARAGÖZ et al. 2022: 6.
- Lecanora albelulla* (Nyl.) Th.Fr. — **28** (Giresun): YAZICI & ASLAN 2023a: 26; **61** (Trabzon): YAZICI & ASLAN 2023a: 26.
- Lecanora allophana* (Ach.) Nyl. — **53** (Rize): YAZICI & ASLAN 2023a: 26.
- Lecanora alpigena* (Ach.) Cl.Roux — **13** (Bitlis): YAZICI et al. 2020b: 7.
- Lecanora argentata* (Ach.) Malme — **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 444; **53** (Rize): YAZICI & ASLAN 2023a: 26; **62** (Tunceli): YAZICI & ASLAN 2022: 173.
- Lecanora argopholis* (Ach.) Ach. — **12** (Bingöl): YAZICI et al. 2022: 27; **13** (Bitlis): YAZICI et al. 2020b: 7; **28** (Giresun): YAZICI & ASLAN 2023a: 26; **49** (Muş): YAZICI et al. 2020a: 444; **62** (Tunceli): YAZICI & ASLAN 2022: 173.
- Lecanora bicincta* Ramond — **28** (Giresun): YAZICI & ASLAN 2023: 25 (as *Glaucomaria bicincta*); **49** (Muş): YAZICI et al. 2020a: 444.
- Lecanora caesiosora* Poelt — **12** (Bingöl): YAZICI et al. 2022: 27; **13** (Bitlis): YAZICI et al. 2020b: 7; **61** (Trabzon): YAZICI & ASLAN 2023a: 26; **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lecanora campestris* (Schaer.) Hue — **17** (Çanakkale): ORAN 2020: 438.
- Lecanora carpinea* (L.) Vain. — **49** (Muş): YAZICI et al. 2020a: 444.
- Lecanora cenisia* Ach. — **12** (Bingöl): YAZICI et al. 2022: 27; **13** (Bitlis): YAZICI et al. 2020b: 7; **17** (Çanakkale): ORAN 2020: 438; **49** (Muş): YAZICI et al. 2020a: 444; **62** (Tunceli): YAZICI & ASLAN 2022: 174; **65** (Van): KARAGÖZ et al. 2022: 6.
- Lecanora chlarotera* Nyl. — **12** (Bingöl): YAZICI et al. 2022: 27; **49** (Muş): YAZICI et al. 2020a: 444.
- Lecanora cinereofusca* H. Magn. — **16** (Bursa): GÜVENÇ & ÖZTÜRK KULA 2021: 10571.
- Lecanora concolor* Ramond — **12** (Bingöl): YAZICI et al. 2022: 27; **13** (Bitlis): YAZICI et al. 2020b: 7.
- Lecanora conizaeoides* Nyl. ex Cromb. — **13** (Bitlis): YAZICI et al. 2020b: 7.
- Lecanora expallens* Ach. — **28** (Giresun): YAZICI & ASLAN 2023a: 26.

- Lecanora frustulosa* (Dicks.) Ach. — **12** (Bingöl): YAZICI et al. 2022: 27; **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 444; **65** (Van): KARAGÖZ et al. 2022: 6.
- Lecanora gangaleoides* Nyl. — **12** (Bingöl): YAZICI et al. 2022: 27; **49** (Muş): YAZICI et al. 2020a: 444; **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lecanora gisleriana* Müll.Arg. — **28** (Giresun): YAZICI & ASLAN 2023a: 26; **49** (Muş): YAZICI et al. 2020a: 444.
- Lecanora handelii* J.Steiner — **16** (Bursa): GÖGEN et al. 2020: 309.
- Lecanora horiza* (Ach.) Linds. — **28** (Giresun): YAZICI & ASLAN 2023a: 26.
- Lecanora impudens* Degel. — **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lecanora intricata* (Ach.) Ach. — **12** (Bingöl): YAZICI et al. 2022: 27; **13** (Bitlis): YAZICI et al. 2020b: 7; **28** (Giresun): YAZICI & ASLAN 2023a: 26; **49** (Muş): YAZICI et al. 2020a: 444.
- Lecanora intumescens* (Rebent.) Rabenh. — **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 444; **53** (Rize): YAZICI & ASLAN 2023a: 26.
- Lecanora jamesii* J.R.Laundon — **28** (Giresun): YAZICI & ASLAN 2023a: 26; **53** (Rize): YAZICI & ASLAN 2023a: 26.
- Lecanora kjachtensis* J.Steiner — **12** (Bingöl): YAZICI et al. 2022: 27; **62** (Tunceli): YAZICI & ASLAN 2022: 174; **72** (Batman): YAZICI & ASLAN 2023b: 158.
- Lecanora leptyroides* (Nyl.) Degel. — **28** (Giresun): YAZICI & ASLAN 2023: 25 (as *Glaucomaria leptyroides*).
- Lecanora pannonica* Szatala — **12** (Bingöl): YAZICI et al. 2022: 27; **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 444; **61** (Trabzon): YAZICI & ASLAN 2023a: 26; **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lecanora polytropa* (Hoffm.) Rabenh. — **12** (Bingöl): YAZICI et al. 2022: 27; **49** (Muş): YAZICI et al. 2020a: 444; **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lecanora rupicola* (L.) Zahlbr. — **12** (Bingöl): YAZICI et al. 2022: 27; **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 444; **62** (Tunceli): YAZICI & ASLAN 2022: 174; **65** (Van): KARAGÖZ et al. 2022: 6.
- Lecanora rupicola* var. *efflorens* Leuckert & Poelt — **12** (Bingöl): YAZICI et al. 2022: 27; **13** (Bitlis): YAZICI et al. 2020b: 7; **28** (Giresun): YAZICI & ASLAN 2023a: 26; **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lecanora strobilina* (Spreng.) Kieff. — **53** (Rize): YAZICI & ASLAN 2023a: 26.
- Lecanora subcarnea* (Lilj.) Ach. — **12** (Bingöl): YAZICI et al. 2022: 27; **13** (Bitlis): YAZICI et al. 2020b: 7; **28** (Giresun): YAZICI & ASLAN 2023a: 26; **49** (Muş): YAZICI et al. 2020a: 444; **62** (Tunceli): YAZICI & ASLAN 2022: 174; **65** (Van): KARAGÖZ et al. 2022: 6.
- Lecanora subcarnea* var. *soralifera* H. Magn. — **12** (Bingöl): YAZICI et al. 2022: 27; **13** (Bitlis): YAZICI et al. 2020b: 7.
- Lecanora sulphurea* (Hoffm.) Ach. — **13** (Bitlis): YAZICI et al. 2020b: 7; **28** (Giresun): YAZICI & ASLAN 2023: 25 (as *Glaucomaria sulphurea*); **49** (Muş): YAZICI et al. 2020a: 444.
- Lecanora swartzii* (Ach.) Ach. — **13** (Bitlis): YAZICI et al. 2020b: 7; **28** (Giresun): YAZICI & ASLAN 2023: 25 (as *Glaucomaria swartzii*); **49** (Muş): YAZICI et al. 2020a: 444.
- Lecanora valesiaca* (Müll.Arg.) Stizenb. — **65** (Van): KARAGÖZ et al. 2022: 6.
- Lecanora varia* (Hoffm.) Ach. — **10** (Balıkesir): ORAN 2020: 439; **16** (Bursa): GÜVENÇ & ÖZTÜRK KULA 2021: 10571.
- Lecidea atrobrunnea* (DC.) Schaer. — **12** (Bingöl): YAZICI et al. 2022: 27; **49** (Muş): YAZICI et al. 2020a: 444; **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lecidea auriculata* Th.Fr. — **12** (Bingöl): YAZICI et al. 2022: 27; **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 444.
- Lecidea auriculata* subsp. *brachyapora* Th.Fr. — **65** (Van): KARAGÖZ et al. 2022: 6 (as *Karschia brachyspora*).
- Lecidea confluens* (Weber) Ach. — **12** (Bingöl): YAZICI et al. 2022: 27.

- Lecidea fuscoatra* (L.) Ach. — **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 444; **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lecidea grisella* Flörke — **13** (Bitlis): YAZICI et al. 2020b: 7; **28** (Giresun): YAZICI & ASLAN 2023a: 26; **49** (Muş): YAZICI et al. 2020a: 444; **65** (Van): KARAGÖZ et al. 2022: 6.
- Lecidea lactea* Flörke ex Schaer. — **12** (Bingöl): YAZICI et al. 2022: 27.
- Lecidea lapicida* (Ach.) Ach. — **12** (Bingöl): YAZICI et al. 2022: 27; **13** (Bitlis): YAZICI et al. 2020b: 7; **17** (Çanakkale): ORAN 2020: 439; **28** (Giresun): YAZICI & ASLAN 2023a: 26; **49** (Muş): YAZICI et al. 2020a: 444; **61** (Trabzon): YAZICI & ASLAN 2023a: 26; **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lecidea lithophila* (Ach.) Ach. — **65** (Van): KARAGÖZ et al. 2022: 6.
- Lecidea plana* (Lahm) Nyl. — **12** (Bingöl): YAZICI et al. 2022: 27; **13** (Bitlis): YAZICI et al. 2020b: 7; **28** (Giresun): YAZICI & ASLAN 2023a: 26; **49** (Muş): YAZICI et al. 2020a: 444.
- Lecidea promiscens* Nyl. — **12** (Bingöl): YAZICI et al. 2022: 27; **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 444; **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lecidea sarcogynoides* Körb. — **12** (Bingöl): YAZICI et al. 2022: 27; **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 444; **61** (Trabzon): YAZICI & ASLAN 2023a: 26; **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lecidea silacea* (Hoffm.) Ach. — **65** (Van): KARAGÖZ et al. 2022: 6.
- Lecidea tessellata* Flörke — **12** (Bingöl): YAZICI et al. 2022: 28; **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 444; **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lecidella anomaloidea* (A.Massal.) Hertel & H.Kilias — **65** (Van): KARAGÖZ et al. 2022: 6.
- Lecidella asema* (Nyl.) Knoph & Hertel — **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lecidella carpathica* Körb. — **12** (Bingöl): YAZICI et al. 2022: 28; **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 444; **53** (Rize): YAZICI & ASLAN 2023a: 26.
- Lecidella elaeochroma* (Ach.) M.Choisy — **12** (Bingöl): YAZICI et al. 2022: 28; **49** (Muş): YAZICI et al. 2020a: 444.
- Lecidella euphorea* (Flörke) Kremp. — **28** (Giresun): YAZICI & ASLAN 2023a: 26; **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lecidella patavina* (A.Massal.) Knoph & Leuckert — **12** (Bingöl): YAZICI et al. 2022: 28; **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 444; **65** (Van): KARAGÖZ et al. 2022: 6.
- Lecidella scabra* (Taylor) Hertel & Leuckert — **07** (Antalya): KARAGÜNLÜ & TUFAN ÇETİN 2020: 1696.
- Lecidella stigmathea* (Ach.) Hertel & Leuckert — **12** (Bingöl): YAZICI et al. 2022: 28; **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 445; **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lempholemma botryosum* (A.Massal.) Zahlbr. — **65** (Van): KARAGÖZ et al. 2022: 6.
- Lempholemma polyanthes* (Bernh.) Malme — **12** (Bingöl): YAZICI et al. 2022: 28; **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 445; **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lepra albescens* (Huds.) Hafellner — **53** (Rize): YAZICI & ASLAN 2023a: 26.
- Lepra aspergilla* (Ach.) Hafellner — **05** (Amasya): ERICHSSEN 1940: 43 (as *Pertusaria dealbescens*); **12** (Bingöl): YAZICI et al. 2022: 28; **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lepra excludens* (Nyl.) Hafellner — **12** (Bingöl): YAZICI et al. 2022: 28; **13** (Bitlis): YAZICI et al. 2020b: 8 (as *Pertusaria excludens*); **28** (Giresun): YAZICI & ASLAN 2023a: 27; **49** (Muş): YAZICI et al. 2020a: 446 (as *Pertusaria excludens*); **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lepra leucosora* (Nyl.) Hafellner — **53** (Rize): YAZICI & ASLAN 2023a: 27.
- Lepra multipuncta* (Turner) Hafellner — **28** (Giresun): YAZICI & ASLAN 2023: 27.
- Lepra ophthalmiza* (Nyl.) Hafellner — **17** (Çanakkale): ORAN 2020: 439; **28** (Giresun): YAZICI & ASLAN 2023a: 27.

- Lepraria caesiocalba* (B.de Lesd.) J.R.Laundon — **10** (Balıkesir): ORAN 2020: 439; **65** (Van): KARAGÖZ et al. 2022: 6.
- Lepraria eburnea* J.R.Laundon — **17** (Çanakkale): ORAN 2020: 439.
- Lepraria finkii* (de Lesd.) R.C.Harris — **13** (Bitlis): YAZICI et al. 2020b: 7 (as *Lepraria lobificans*); **28** (Giresun): YAZICI & ASLAN 2023a: 27 (as *Lepraria lobificans*); **49** (Muş): YAZICI et al. 2020a: 445 (as *Lepraria lobificans*).
- Lepraria incana* (L.) Ach. — **12** (Bingöl): YAZICI et al. 2022: 28; **13** (Bitlis): YAZICI et al. 2020b: 7; **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lepraria membranacea* (Dicks.) Vain. — **12** (Bingöl): YAZICI et al. 2022: 28; **28** (Giresun): YAZICI & ASLAN 2023a: 27; **53** (Rize): YAZICI & ASLAN 2023a: 27; **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lepraria nivalis* J.R.Laundon — **12** (Bingöl): YAZICI et al. 2022: 28; **13** (Bitlis): YAZICI et al. 2020b: 7; **28** (Giresun): YAZICI & ASLAN 2023a: 27; **49** (Muş): YAZICI et al. 2020a: 445; **61** (Trabzon): YAZICI & ASLAN 2023a: 27; **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Lepraria umbricola* Tønsberg — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1696.
- Lepraria vouauxii* (Hue) R.C.Harris — **12** (Bingöl): YAZICI et al. 2022: 28; **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 445; **62** (Tunceli): YAZICI & ASLAN 2022: 174; **65** (Van): KARAGÖZ et al. 2022: 6.
- Leproplaca chrysodeta* (Vain.) Ahti — **12** (Bingöl): YAZICI et al. 2022: 28; **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Leproplaca cirrochroa* (Ach.) Arup, Frödén & Søchting — **12** (Bingöl): YAZICI et al. 2022: 28; **28** (Giresun): YAZICI & ASLAN 2023a: 27.
- Leproplaca xantholyta* (Nyl.) Hue — **12** (Bingöl): YAZICI et al. 2022: 28; **13** (Bitlis): YAZICI et al. 2020b: 7; **62** (Tunceli): YAZICI & ASLAN 2022: 174; **65** (Van): KARAGÖZ et al. 2022: 6.
- Leptochidium albociliatum* (Desm.) M.Choisy — **12** (Bingöl): YAZICI et al. 2022: 28; **13** (Bitlis): YAZICI et al. 2020b: 7; **62** (Tunceli): YAZICI & ASLAN 2022: 174.
- Leptogium cyanescens* (Rabenh.) Körb. — **12** (Bingöl): YAZICI et al. 2022: 28; **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 445.
- Leptogium saturninum* (Dicks.) Nyl. — **62** (Tunceli): YAZICI & ASLAN 2022: 175.
- **Lichenodiplis lecanorae* (Vouaux) Dyko & D.Hawksw. — **28** (Giresun): YAZICI & ASLAN 2023a: 27.
- **Lichenostigma anaticum* Halici & Kocakaya — **49** (Muş): YAZICI et al. 2020a: 445.
- **Lichenostigma cosmopolites* Hafellner & Catal. — **17** (Çanakkale): ORAN 2020: 439.
- **Lichenostigma dimelaenae* Calat & Hafellner — **49** (Muş): YAZICI et al. 2020a: 445.
- **Lichenostigma elongatum* Nav.-Ros. & Hafellner — **28** (Giresun): YAZICI & ASLAN 2023a: 27; **49** (Muş): YAZICI et al. 2020a: 445.
- **Lichenostigma rouxii* Nav.-Ros., Calat. & Hafellner — **13** (Bitlis): YAZICI et al. 2020b: 7; **28** (Giresun): YAZICI & ASLAN 2023a: 27; **49** (Muş): YAZICI et al. 2020a: 445; **62** (Tunceli): YAZICI & ASLAN 2022: 175.
- **Lichenostigma triseptatum* Halici & D.Hawksw. — **12** (Bingöl): YAZICI et al. 2022: 28.
- **Lichenothelia convexa* Henssen — **65** (Van): KARAGÖZ et al. 2022: 6.
- Lichinella algerica* (J.Steiner) P.Moreno & Egea — **12** (Bingöl): YAZICI et al. 2022: 28; **62** (Tunceli): YAZICI & ASLAN 2022: 175.
- Lichinella myriospora* (Zahlbr.) P.Moreno & Egea — **12** (Bingöl): YAZICI et al. 2022: 28.
- Lichinella stipatula* Nyl. — **12** (Bingöl): YAZICI et al. 2022: 28; **49** (Muş): YAZICI et al. 2020a: 445; **62** (Tunceli): YAZICI & ASLAN 2022: 175; **65** (Van): KARAGÖZ et al. 2022: 6.
- **Limoniella muralicola* Halici — **13** (Bitlis): YAZICI et al. 2020b: 7.
- Lobaria pulmonaria* (L.) Hoffm. — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1697.
- Lobarina scrobiculata* (Scop.) Nyl. ex Cromb. — **28** (Giresun): YAZICI & ASLAN 2023a: 27.

- Lobothallia alphoplaca* (Wahlenb.) Hafellner — **12** (Bingöl): YAZICI et al. 2022: 28; **28** (Giresun): YAZICI & ASLAN 2023a: 27; **49** (Muş): YAZICI et al. 2020a: 445; **62** (Tunceli): YAZICI & ASLAN 2022: 175.
- Lobothallia cheresina* (Müll. Arg.) A.Nordin, Cl.Roux & Sohrabi — **12** (Bingöl): YAZICI et al. 2022: 28; **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 445; **62** (Tunceli): YAZICI & ASLAN 2022: 175.
- Lobothallia farinosa* (Flörke) A.Nordin, S.Savić & Tibell — **12** (Bingöl): YAZICI et al. 2022: 28; **62** (Tunceli): YAZICI & ASLAN 2022: 175; **65** (Van): KARAGÖZ et al. 2022: 6.
- Lobothallia praeradiosa* (Nyl.) Hafellner — **12** (Bingöl): YAZICI et al. 2022: 28; **49** (Muş): YAZICI et al. 2020a: 445; **62** (Tunceli): YAZICI & ASLAN 2022: 175.
- Lobothallia radiosa* (Hoffm.) Hafellner — **12** (Bingöl): YAZICI et al. 2022: 28; **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 445.
- Lobothallia recedens* (Taylor) A.Nordin, S.Savić & Tibell — **12** (Bingöl): YAZICI et al. 2022: 28; **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 445; **62** (Tunceli): YAZICI & ASLAN 2022: 175.
- Megaspora verrucosa* (Ach.) Arcadia & A.Nordin — **12** (Bingöl): YAZICI et al. 2022: 28; **13** (Bitlis): YAZICI et al. 2020b: 7; **49** (Muş): YAZICI et al. 2020a: 445; **65** (Van): KARAGÖZ et al. 2022: 7.
- Melanelia stygia* (L.) Essl. — **49** (Muş): YAZICI et al. 2020a: 446.
- Melanelixia glabra* (Schaer.) O.Blanco et al. — **12** (Bingöl): YAZICI et al. 2022: 28; **13** (Bitlis): YAZICI et al. 2020b: 7; **28** (Giresun): YAZICI & ASLAN 2023a: 27; **62** (Tunceli): YAZICI & ASLAN 2022: 175.
- Melanelixia subargentifera* (Nyl.) O.Blanco et al. — **12** (Bingöl): YAZICI et al. 2022: 28; **13** (Bitlis): YAZICI et al. 2020b: 7 (as *Melanelia subargentifera*); **62** (Tunceli): YAZICI & ASLAN 2022: 175.
- Melanelixia subaurifera* (Nyl.) O.Blanco et al. — **12** (Bingöl): YAZICI et al. 2022: 28; **13** (Bitlis): YAZICI et al. 2020b: 7 (as *Melanelia subaurifera*); **49** (Muş): YAZICI et al. 2020a: 446; **62** (Tunceli): YAZICI & ASLAN 2022: 175.
- Melanohalea elegantula* (Zahlbr.) O.Blanco et al. — **12** (Bingöl): YAZICI et al. 2022: 29; **62** (Tunceli): YAZICI & ASLAN 2022: 175.
- Melanohalea exasperata* (De Not.) O.Blanco et al. — **12** (Bingöl): YAZICI et al. 2022: 29.
- Melanohalea exasperatula* (Nyl.) O.Blanco et al. — **12** (Bingöl): YAZICI et al. 2022: 29; **62** (Tunceli): YAZICI & ASLAN 2022: 175.
- Melanohalea infumata* (Nyl.) O.Blanco et al. — **12** (Bingöl): YAZICI et al. 2022: 29; **13** (Bitlis): YAZICI et al. 2020b: 8; **49** (Muş): YAZICI et al. 2020a: 446; **61** (Trabzon): YAZICI & ASLAN 2023a: 27; **62** (Tunceli): YAZICI & ASLAN 2022: 175; **65** (Van): KARAGÖZ et al. 2022: 7.
- Melanohalea laciniatula* (Flagey ex H. Olivier) O. Blanco et al. — **16** (Bursa): GÜVENÇ & ÖZTÜRK KULA 2021: 10571.
- Menegazzia terebrata* (Hoffm.) A. Massal. — **62** (Tunceli): YAZICI & ASLAN 2022: 175.
- Miriquidica deusta* (Stenh.) Hertel & Rambold — **12** (Bingöl): YAZICI et al. 2022: 29; **13** (Bitlis): YAZICI et al. 2020b: 8; **28** (Giresun): YAZICI & ASLAN 2023a: 28; **49** (Muş): YAZICI et al. 2020a: 446; **62** (Tunceli): YAZICI & ASLAN 2022: 175.
- Mischoblastia lecanorina* A.Massal. — **12** (Bingöl): YAZICI et al. 2022: 29; **28** (Giresun): YAZICI & ASLAN 2023a: 28; **62** (Tunceli): YAZICI & ASLAN 2022: 175; **65** (Van): KARAGÖZ et al. 2022: 7.
- Mischoblastia oxydata* A.Massal. — **53** (Rize): YAZICI & ASLAN 2023a: 28.
- Monerolechia badia* (Fr.) Kalb — **12** (Bingöl): YAZICI et al. 2022: 24; **13** (Bitlis): YAZICI et al. 2020b: 5 (as *Buellia badia*); **28** (Giresun): YAZICI & ASLAN 2023a: 22 (as *Buellia badia*); **49** (Muş): YAZICI et al. 2020a: 442 (as *Buellia badia*); **62** (Tunceli): YAZICI & ASLAN 2022: 171 (as *Buellia badia*).
- Montanelia soredata* (Ach.) Divakar et al. — **13** (Bitlis): YAZICI et al. 2020b: 8; **28** (Giresun): YAZICI & ASLAN 2023a: 28; **49** (Muş): YAZICI et al. 2020a: 446; **61** (Trabzon): YAZICI & ASLAN 2023a: 28; **62** (Tunceli): YAZICI & ASLAN 2022: 175.

- **Muellerella erratica* (A. Massal.) Hafellner & Volk.John — **12** (Bingöl): YAZICI et al. 2022: 29; **13** (Bitlis): YAZICI et al. 2020b: 8; **28** (Giresun): YAZICI & ASLAN 2023a: 28; **49** (Muş): YAZICI et al. 2020a: 446; **62** (Tunceli): YAZICI & ASLAN 2022: 175.
- **Muellerella lichenicola* (Sommerf.) D.Hawksw. — **49** (Muş): YAZICI et al. 2020a: 446.
- **Muellerella pygmaea* (Körb.) D.Hawksw. — **12** (Bingöl): YAZICI et al. 2022: 29; **13** (Bitlis): YAZICI et al. 2020b: 8; **28** (Giresun): YAZICI & ASLAN 2023a: 28; **49** (Muş): YAZICI et al. 2020a: 446; **62** (Tunceli): YAZICI & ASLAN 2022: 175; **65** (Van): KARAGÖZ et al. 2022: 7.
- **Muellerella ventosicola* (Mudd) D.Hawksw. — **12** (Bingöl): YAZICI et al. 2022: 29; **13** (Bitlis): YAZICI et al. 2020b: 8; **28** (Giresun): YAZICI & ASLAN 2023a: 28; **62** (Tunceli): YAZICI & ASLAN 2022: 175.
- Mycobilimbia tetramera* (De Not.) Vitik., Ahti, Kuusinen, Lommi & T.Ulvinen — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1697.
- Myriospora glaucocarpa* (Ach.) Hepp — **49** (Muş): YAZICI et al. 2020a: 446.
- Myriospora rufescens* (Ach.) Uloth — **12** (Bingöl): YAZICI et al. 2022: 33 (as *Silobia rufescens*).
- Myriospora smaragdula* (Wahlenb.) K.Knudsen & L.Arcadia — **12** (Bingöl): YAZICI et al. 2022: 29; **17** (Çanakkale): ORAN 2020: 440.
- Naetrocymbe punctiformis* (Schrank) R.C.Harris — **53** (Rize): YAZICI & ASLAN 2023a: 28.
- Naevia dispersa* (Schrad.) Thiyagaraja, Lücking & K.D.Hyde — **53** (Rize): YAZICI & ASLAN 2023a: 28.
- Nephroma bellum* (Spreng.) Tuck. — **28** (Giresun): YAZICI & ASLAN 2023a: 28.
- Nephromopsis chlorophylla* (Willd.) Divakar, A.Crespo & Lumbsch — **28** (Giresun): YAZICI & ASLAN 2023a: 28.
- Nephromopsis laureri* (Kremp.) Kurok. — **28** (Giresun): YAZICI & ASLAN 2023a: 32 (as *Tuckneraria laureri*); **61** (Trabzon): YAZICI & ASLAN 2023a: 32 (as *Tuckneraria laureri*).
- **Nesolechia fusca* (Triebel & Rambold) Pérez-Ortega — **13** (Bitlis): YAZICI et al. 2020b: 8.
- **Nesolechia oxyspora* (Tul.) A. Massal. — **62** (Tunceli): YAZICI & ASLAN 2022: 179 (as *Punctelia oxyspora*).
- Normandina pulchella* (Borrer) Nyl. — **49** (Muş): YAZICI et al. 2020a: 446; **62** (Tunceli): YAZICI & ASLAN 2022: 176.
- Ochrolechia arborea* (Kreyer) Almb. — **53** (Rize): YAZICI & ASLAN 2023a: 28; **61** (Trabzon): YAZICI & ASLAN 2023a: 28.
- Ochrolechia pallescens* (L.) A. Massal. — **61** (Trabzon): YAZICI & ASLAN 2023a: 28; **62** (Tunceli): YAZICI & ASLAN 2022: 176.
- Ochrolechia parella* (L.) A.Massal. — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1697; **62** (Tunceli): YAZICI & ASLAN 2022: 176.
- Ochrolechia subviridis* (Hoeg) Erichsen — **12** (Bingöl): YAZICI et al. 2022: 29; **13** (Bitlis): YAZICI et al. 2020b: 8; **49** (Muş): YAZICI et al. 2020a: 446; **62** (Tunceli): YAZICI & ASLAN 2022: 176.
- Ochrolechia tartarea* (L.) A.Massal. — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1697.
- Omphalodina chrysoleuca* (Sm.) S.Y.Komdr., Lökös & Farkas — **12** (Bingöl): YAZICI et al. 2022: 29; **49** (Muş): YAZICI et al. 2020a: 448 (as *Rhizoplaca chrysoleuca*); **62** (Tunceli): YAZICI & ASLAN 2022: 176; **65** (Van): KARAGÖZ et al. 2022: 7.
- Omphalodina pseudistera* (Nyl.) S.Y.Komdr., Lökös & Farkas — **12** (Bingöl): YAZICI et al. 2022: 29
- Opegrapha niveoatra* (Borrer) J.R.Laundon — **53** (Rize): YAZICI & ASLAN 2023a: 28; **61** (Trabzon): YAZICI & ASLAN 2023: 28.
- Pannaria conoplea* (Ach.) Bory — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1697.
- Parabagiettoa dufourii* (DC.) Gueidan & Cl. Roux — **62** (Tunceli): YAZICI & ASLAN 2022: 181 (as *Verrucaria dufourii*) 76.
- Parmelia barrenoae* Divakar, M.C.Molina & A.Crespo — **10** (Balıkesir): ORAN 2020: 440.
- Parmelia omphalodes* (L.) Ach. — **28** (Giresun): YAZICI & ASLAN 2023a: 28.
- Parmelia squarrosa* (L.) Hale — **28** (Giresun): YAZICI & ASLAN 2023a: 28.

- Parmelia sulcata* Taylor — **62** (Tunceli): YAZICI & ASLAN 2022: 176.
- Parmelina carporrhizans* (Taylor) Hale — **61** (Trabzon): YAZICI & ASLAN 2023a: 28.
- Parmelina pastillifera* (Harm.) Hale — **28** (Giresun): YAZICI & ASLAN 2023a: 29.
- Parmelina tiliacea* (Hoffm.) Hale — **12** (Bingöl): YAZICI et al. 2022: 29; **13** (Bitlis): YAZICI et al. 2020b: 8; **49** (Muş): YAZICI et al. 2020a: 446; **65** (Van): KARAGÖZ et al. 2022: 7.
- Parmotrema crinitum* (Ach.) M.Choisy — **28** (Giresun): YAZICI & ASLAN 2023a: 29.
- Parmotrema reticulatum* (Taylor) M.Choisy — **53** (Rize): YAZICI & ASLAN 2023a: 29.
- Parvoplaca tirolensis* (Zahlbr.) Arup, Söchting & Frödén — **12** (Bingöl): YAZICI et al. 2022: 29; **13** (Bitlis): YAZICI et al. 2020b: 8; **49** (Muş): YAZICI et al. 2020a: 446; **62** (Tunceli): YAZICI & ASLAN 2022: 176; **65** (Van): KARAGÖZ et al. 2022: 7.
- Peltigera canina* (L.) Willd. — **12** (Bingöl): YAZICI et al. 2022: 29; **13** (Bitlis): YAZICI et al. 2020b: 8; **49** (Muş): YAZICI et al. 2020a: 446; **62** (Tunceli): YAZICI & ASLAN 2022: 176.
- Peltigera didactyla* (With.) J.R.Laundon — **12** (Bingöl): YAZICI et al. 2022: 29.
- Peltigera horizontalis* (Huds.) Baumg. — **12** (Bingöl): YAZICI et al. 2022: 29; **13** (Bitlis): YAZICI et al. 2020b: 8; **62** (Tunceli): YAZICI & ASLAN 2022: 176.
- Peltigera lepidophora* (Vain.) Bitter — **53** (Rize): YAZICI & ASLAN 2023a: 29.
- Peltigera malacea* (Ach.) Funck — **49** (Muş): YAZICI et al. 2020a: 446; **62** (Tunceli): YAZICI & ASLAN 2022: 176.
- Peltigera neckeri* Hepp ex Müll.Arg. — **13** (Bitlis): YAZICI et al. 2020b: 8; **62** (Tunceli): YAZICI & ASLAN 2022: 176.
- Peltigera neopolydactyla* (Gyeln.) Gyeln. — **62** (Tunceli): YAZICI & ASLAN 2022: 176.
- Peltigera ponofjensis* Gyeln. — **12** (Bingöl): YAZICI et al. 2022: 29; **13** (Bitlis): YAZICI et al. 2020b: 8; **49** (Muş): YAZICI et al. 2020a: 446; **62** (Tunceli): YAZICI & ASLAN 2022: 176.
- Peltigera praetextata* (Flörke ex Sommerf.) Zopf — **12** (Bingöl): YAZICI et al. 2022: 29; **13** (Bitlis): YAZICI et al. 2020b: 8; **49** (Muş): YAZICI et al. 2020a: 446; **62** (Tunceli): YAZICI & ASLAN 2022: 176.
- Peltigera rufescens* (Weiss) Humb. — **12** (Bingöl): YAZICI et al. 2022: 29; **13** (Bitlis): YAZICI et al. 2020b: 8; **49** (Muş): YAZICI et al. 2020a: 446; **62** (Tunceli): YAZICI & ASLAN 2022: 176.
- Peltula euploca* (Ach.) Poelt — **12** (Bingöl): YAZICI et al. 2022: 29; **13** (Bitlis): YAZICI et al. 2020b: 8; **49** (Muş): YAZICI et al. 2020a: 446.
- Pertusaria chiodectonoides* Bagl. ex A.Massal. — **12** (Bingöl): YAZICI et al. 2022: 29; **62** (Tunceli): YAZICI & ASLAN 2022: 176.
- Pertusaria coccodes* (Ach.) Nyl. — **13** (Bitlis): YAZICI et al. 2020b: 8.
- Pertusaria flavicans* Lamy — **12** (Bingöl): YAZICI et al. 2022: 29; **13** (Bitlis): YAZICI et al. 2020b: 8; **49** (Muş): YAZICI et al. 2020a: 446; **62** (Tunceli): YAZICI & ASLAN 2022: 176.
- Pertusaria flavida* (DC.) J.R.Laundon — **17** (Çanakkale): ORAN 2020: 441.
- Pertusaria pseudocorallina* (Lilj.) Arnold — **28** (Giresun): YAZICI & ASLAN 2023a: 29; **61** (Trabzon): YAZICI & ASLAN 2023a: 29.
- Pertusaria pupillaris* (Nyl.) Th.Fr. — **28** (Giresun): YAZICI & ASLAN 2023a: 29; **61** (Trabzon): YAZICI & ASLAN 2023a: 29.
- Pertusaria pustulata* (Ach.) Duby — **17** (Çanakkale): ORAN 2020: 441.
- **Phacopsis vulpina* Tul. — **28** (Giresun): YAZICI & ASLAN 2023a: 29.
- **Phaeographa glaucomarina* (Nyl.) Hafellner — **12** (Bingöl): YAZICI et al. 2022: 29; **28** (Giresun): YAZICI & ASLAN 2023a: 29; **49** (Muş): YAZICI et al. 2020a: 446; **62** (Tunceli): YAZICI & ASLAN 2022: 176.
- Phaeophyscia cernohorskyi* (Nádv.) Essl. — **12** (Bingöl): YAZICI et al. 2022: 30 (as *Physcia cernohorskyi*); **13** (Bitlis): YAZICI et al. 2020b: 8; **28** (Giresun): YAZICI & ASLAN 2023a: 29; **49** (Muş): YAZICI et al. 2020a: 446.
- Phaeophyscia ciliata* (Hoffm.) Moberg — **13** (Bitlis): YAZICI et al. 2020b: 8; **17** (Çanakkale): ORAN 2020: 441; **49** (Muş): YAZICI et al. 2020a: 446; **62** (Tunceli): YAZICI & ASLAN 2022: 176; **65** (Van): KARAGÖZ et al. 2022: 7.

- Phaeophyscia endococcina* (Körb.) Moberg — **12** (Bingöl): YAZICI et al. 2022: 29; **13** (Bitlis): YAZICI et al. 2020b: 8; **28** (Giresun): YAZICI & ASLAN 2023a: 29; **49** (Muş): YAZICI et al. 2020a: 446; **62** (Tunceli): YAZICI & ASLAN 2022: 176.
- Phaeophyscia endophoenicea* (Harm.) Moberg — **53** (Rize): YAZICI & ASLAN 2023a: 29; **65** (Van): KARAGÖZ et al. 2022: 7.
- Phaeophyscia hirsuta* (Mereschk.) Essl. — **61** (Trabzon): YAZICI & ASLAN 2023a: 29.
- Phaeophyscia hispidula* (Ach.) Essl. — **62** (Tunceli): YAZICI & ASLAN 2022: 176.
- Phaeophyscia nigricans* (Flörke) Moberg — **12** (Bingöl): YAZICI et al. 2022: 30; **13** (Bitlis): YAZICI et al. 2020b: 8; **49** (Muş): YAZICI et al. 2020a: 446; **62** (Tunceli): YAZICI & ASLAN 2022: 176; **65** (Van): KARAGÖZ et al. 2022: 7.
- Phaeophyscia orbicularis* (Neck.) Moberg — **12** (Bingöl): YAZICI et al. 2022: 30; **13** (Bitlis): YAZICI et al. 2020b: 8; **49** (Muş): YAZICI et al. 2020a: 447; **65** (Van): KARAGÖZ et al. 2022: 7; **72** (Batman): YAZICI & ASLAN 2023b: 158.
- Phaeophyscia poeltii* (Frey) Clauzade & Cl.Roux — **65** (Van): KARAGÖZ et al. 2022: 7.
- Phaeophyscia rubropulchra* (Degel.) Moberg — **61** (Trabzon): YAZICI & ASLAN 2023a: 29.
- Phaeophyscia sciastra* Ach. — **12** (Bingöl): YAZICI et al. 2022: 30; **13** (Bitlis): YAZICI et al. 2020b: 8; **62** (Tunceli): YAZICI & ASLAN 2022: 176.
- Phaeorrhiza nimbosa* (Fr.) H.Mayrhofer & Poelt — **49** (Muş): YAZICI et al. 2020a: 447.
- Phlyctis agelaea* (Ach.) Flot. — **61** (Trabzon): YAZICI & ASLAN 2023a: 30.
- Phlyctis argena* (Spreng.) Flot. — **28** (Giresun): YAZICI & ASLAN 2023a: 30; **65** (Van): KARAGÖZ et al. 2022: 7.
- Physcia adscendens* H.Olivier — **12** (Bingöl): YAZICI et al. 2022: 30.
- Physcia aipolia* (Ehrh. ex Humb.) Hampe — **49** (Muş): YAZICI et al. 2020a: 447.
- Physcia albinea* (Ach.) Malbr. — **12** (Bingöl): YAZICI et al. 2022: 30; **62** (Tunceli): YAZICI & ASLAN 2022: 176.
- Physcia biziana* (A.Massal.) Zahlbr. — **12** (Bingöl): YAZICI et al. 2022: 30; **13** (Bitlis): YAZICI et al. 2020b: 8; **28** (Giresun): YAZICI & ASLAN 2023a: 30; **49** (Muş): YAZICI et al. 2020a: 447; **62** (Tunceli): YAZICI & ASLAN 2022: 177; **65** (Van): KARAGÖZ et al. 2022: 7.
- Physcia caesia* (Hoffm.) Hampe ex Fürnr. — **12** (Bingöl): YAZICI et al. 2022: 30; **13** (Bitlis): YAZICI et al. 2020b: 8; **49** (Muş): YAZICI et al. 2020a: 447; **62** (Tunceli): YAZICI & ASLAN 2022: 177; **65** (Van): KARAGÖZ et al. 2022: 7.
- Physcia cernohorskyi* Nádv. — **62** (Tunceli): YAZICI & ASLAN 2022: 177.
- Physcia dimidiata* (Arnold) Nyl. — **12** (Bingöl): YAZICI et al. 2022: 30; **13** (Bitlis): YAZICI et al. 2020b: 8; **49** (Muş): YAZICI et al. 2020a: 447; **62** (Tunceli): YAZICI & ASLAN 2022: 177; **65** (Van): KARAGÖZ et al. 2022: 7.
- Physcia dubia* (Hoffm.) Lettau — **12** (Bingöl): YAZICI et al. 2022: 30; **49** (Muş): YAZICI et al. 2020a: 447; **72** (Batman): YAZICI & ASLAN 2023b: 158.
- Physcia stellaris* (L.) Nyl. — **13** (Bitlis): YAZICI et al. 2020b: 8; **49** (Muş): YAZICI et al. 2020a: 447.
- Physcia tenella* (Scop.) DC. — **12** (Bingöl): YAZICI et al. 2022: 30; **49** (Muş): YAZICI et al. 2020a: 447; **65** (Van): KARAGÖZ et al. 2022: 7.
- Physcia tribacia* (Ach.) Nyl. — **12** (Bingöl): YAZICI et al. 2022: 30.
- Physciella chloantha* (Ach.) Essl. — **53** (Rize): YAZICI & ASLAN 2023a: 30.
- Physconia detersa* (Nyl.) Poelt — **12** (Bingöl): YAZICI et al. 2022: 30; **13** (Bitlis): YAZICI et al. 2020b: 9; **49** (Muş): YAZICI et al. 2020a: 447; **62** (Tunceli): YAZICI & ASLAN 2022: 177.
- Physconia distorta* (With.) J.R.Laundon — **12** (Bingöl): YAZICI et al. 2022: 30; **13** (Bitlis): YAZICI et al. 2020b: 9; **49** (Muş): YAZICI et al. 2020a: 447; **53** (Rize): YAZICI & ASLAN 2023a: 30; **65** (Van): KARAGÖZ et al. 2022: 7.
- Physconia enteroxantha* (Nyl.) Poelt — **12** (Bingöl): YAZICI et al. 2022: 30; **13** (Bitlis): YAZICI et al. 2020b: 9; **49** (Muş): YAZICI et al. 2020a: 447; **53** (Rize): YAZICI & ASLAN 2023a: 30; **62** (Tunceli): YAZICI & ASLAN 2022: 177.
- Physconia grisea* (Lam.) Poelt — **13** (Bitlis): YAZICI et al. 2020b: 9.

- Physconia muscigena* (Ach.) Poelt — **12** (Bingöl): YAZICI et al. 2022: 30; **13** (Bitlis): YAZICI et al. 2020b: 9; **49** (Muş): YAZICI et al. 2020a: 447; **62** (Tunceli): YAZICI & ASLAN 2022: 177.
- Physconia perisidiosa* (Erichsen) Moberg — **12** (Bingöl): YAZICI et al. 2022: 30; **13** (Bitlis): YAZICI et al. 2020b: 9; **49** (Muş): YAZICI et al. 2020a: 447; **53** (Rize): YAZICI & ASLAN 2023a: 30; **62** (Tunceli): YAZICI & ASLAN 2022: 177.
- Physconia venusta* (Ach.) Poelt — **13** (Bitlis): YAZICI et al. 2020b: 9.
- Pisutiella grimmiae* (Nyl.) S.Y.Kondr., Lökös & Farkas — **12** (Bingöl): YAZICI et al. 2022: 31; **28** (Giresun): YAZICI & ASLAN 2023a: 30; **49** (Muş): YAZICI et al. 2020a: 442 (as *Caloplaca grimmiae*); **62** (Tunceli): YAZICI & ASLAN 2022: 177.
- Placidium squamulosum* (Ach.) Breuss — **12** (Bingöl): YAZICI et al. 2022: 25 (as *Catapyrenium squamulosum*); **13** (Bitlis): YAZICI et al. 2020b: 6 (as *Catapyrenium squamulosum*); **65** (Van): KARAGÖZ et al. 2022: 5 (as *Catapyrenium squamulosum*).
- Placocarpus schaeereri* (Fr.) Breuss — **12** (Bingöl): YAZICI et al. 2022: 31; **13** (Bitlis): YAZICI et al. 2020b: 9; **49** (Muş): YAZICI et al. 2020a: 447; **65** (Van): KARAGÖZ et al. 2022: 7.
- Placopyrenium bucekii* (Nádv. & Servit) Breuss — **12** (Bingöl): YAZICI et al. 2022: 31; **13** (Bitlis): YAZICI et al. 2020b: 9; **49** (Muş): YAZICI et al. 2020a: 447; **62** (Tunceli): YAZICI & ASLAN 2022: 177.
- Placopyrenium iranicum* Breuss — **12** (Bingöl): YAZICI et al. 2022: 31; **13** (Bitlis): YAZICI et al. 2020b: 9; **49** (Muş): YAZICI et al. 2020a: 447; **62** (Tunceli): YAZICI & ASLAN 2022: 177.
- Placopyrenium trachyticum* (Hazsl.) Breuss — **12** (Bingöl): YAZICI et al. 2022: 31; **13** (Bitlis): YAZICI et al. 2020b: 9; **49** (Muş): YAZICI et al. 2020a: 447; **62** (Tunceli): YAZICI & ASLAN 2022: 177; **65** (Van): KARAGÖZ et al. 2022: 7.
- Placynthium asperellum* (Ach.) Trevis. — **62** (Tunceli): YAZICI & ASLAN 2022: 177.
- Placynthium garovaglii* (A.Massal.) Malme — **28** (Giresun): YAZICI & ASLAN 2023a: 30; **62** (Tunceli): YAZICI & ASLAN 2022: 177; **65** (Van): ASLAN & YAZICI 2013: 324, KARAGÖZ et al. 2022: 7; **76** (İğdır): ASLAN & YAZICI 2013: 324.
- Placynthium hungaricum* Gyeln. — **13** (Bitlis): YAZICI et al. 2020b: 9; **62** (Tunceli): YAZICI & ASLAN 2022: 177.
- Placynthium lismorensense* (Cromb.) Vain. — **12** (Bingöl): YAZICI et al. 2022: 31; **62** (Tunceli): YAZICI & ASLAN 2022: 177.
- Placynthium nigrum* (Huds.) Gray — **12** (Bingöl): YAZICI et al. 2022: 31; **13** (Bitlis): YAZICI et al. 2020b: 9; **49** (Muş): YAZICI et al. 2020a: 447; **65** (Van): KARAGÖZ et al. 2022: 7.
- Placynthium posterulum* (Nyl.) Henssen — **13** (Bitlis): YAZICI et al. 2020b: 9; **62** (Tunceli): YAZICI & ASLAN 2022: 178.
- Placynthium stenophyllum* (Tuck.) Fink — **13** (Bitlis): YAZICI et al. 2020b: 9; **62** (Tunceli): YAZICI & ASLAN 2022: 178.
- Placynthium subradiatum* (Nyl.) Arnold — **62** (Tunceli): YAZICI & ASLAN 2022: 178.
- Pleurosticta acetabulum* (Neck.) Elix & Lumbsch — **49** (Muş): YAZICI et al. 2020a: 447; **62** (Tunceli): YAZICI & ASLAN 2022: 178.
- Polyblastia cupularis* A.Massal. — **12** (Bingöl): YAZICI et al. 2022: 31; **13** (Bitlis): YAZICI et al. 2020b: 9; **62** (Tunceli): YAZICI & ASLAN 2022: 178.
- Polyblastia dermatodes* A. Massal. — **62** (Tunceli): YAZICI & ASLAN 2022: 178.
- Polycauliona candelaria* (L.) Frödén, Arup & Søchting — **13** (Bitlis): YAZICI et al. 2020b: 9.
- **Polycoccum evae* Calat. & V.J.Rico — **12** (Bingöl): YAZICI et al. 2022: 31; **62** (Tunceli): YAZICI & ASLAN 2022: 178.
- **Polycoccum marmoratum* (Kremp.) D.Hawksw. — **65** (Van): KARAGÖZ et al. 2022: 7.
- **Polycoccum pulvinatum* (Eitner) R.Sant. — **13** (Bitlis): YAZICI et al. 2020b: 9.
- Polyozosia agardhiana* (Ach.) S.Y.Kondr., Lökös & Farkas — **12** (Bingöl): YAZICI et al. 2022: 31.
- Polyozosia albescens* (Hoffm.) S.Y.Kondr., Lökös & Farkas — **12** (Bingöl): YAZICI et al. 2022: 31; **13** (Bitlis): YAZICI et al. 2020b: 8 (as *Myriolecis albescens*); **49** (Muş): YAZICI et al. 2020a: 446

- (as *Myriolecis albescens*); **62** (Tunceli): YAZICI & ASLAN 2022: 178; **65** (Van): KARAGÖZ et al. 2022: 7.
- Polyozosia caesioalba* (Flörke) ined. — **12** (Bingöl): YAZICI et al. 2022: 29 (as *Myriolecis crenulata*); **49** (Muş): YAZICI et al. 2020a: 446 (as *Myriolecis crenulata*); **62** (Tunceli): YAZICI & ASLAN 2022: 175 (as *Myriolecis crenulata*).
- Polyozosia dispersa* (Pers.) S.Y.Kondr., Lökös & Farkas — **12** (Bingöl): YAZICI et al. 2022: 31; **49** (Muş): YAZICI et al. 2020a: 446 (as *Myriolecis dispersa*).
- Polyozosia flowersiana* (H.Magn) S.Y.Kondr., Lökös & Farkas — **12** (Bingöl): YAZICI et al. 2022: 31; **62** (Tunceli): YAZICI & ASLAN 2022: 178.
- Polyozosia hagenii* (Ach.) S.Y.Kondr., Lökös & Farkas — **13** (Bitlis): YAZICI et al. 2020b: 8 (as *Myriolecis hagenii*); **49** (Muş): YAZICI et al. 2020a: 446 (as *Myriolecis hagenii*); **62** (Tunceli): YAZICI & ASLAN 2022: 178; **65** (Van): KARAGÖZ et al. 2022: 7; **72** (Batman): YAZICI & ASLAN 2023b: 158.
- Polyozosia invadens* (H.Magn.) S.Y.Kondr., Lökös & Farkas — **12** (Bingöl): YAZICI et al. 2022: 31; **13** (Bitlis): YAZICI et al. 2020b: 8 (as *Myriolecis invadens*); **15** (Burdur): ASLAN & YAZICI 2013: 322 (as *Lecanora invadens*); **62** (Tunceli): YAZICI & ASLAN 2022: 178.
- Polyozosia percrenata* (H.Magn.) S.Y.Kondr., Lökös & Farkas — **12** (Bingöl): YAZICI et al. 2022: 31; **62** (Tunceli): YAZICI & ASLAN 2022: 178.
- Polyozosia persimilis* (Th.Fr.) S.Y.Kondr., Lökös & Farkas — **12** (Bingöl): YAZICI et al. 2022: 31; **28** (Giresun): YAZICI & ASLAN 2023a: 30; **62** (Tunceli): YAZICI & ASLAN 2022: 178.
- Polyozosia prophetae-eliae* (Sipman) S.Y.Kondr., Lökös & Farkas — **65** (Van): KARAGÖZ et al. 2022: 7.
- Polyozosia pruinosa* (Chaub.) S.Y.Kondr., Lökös & Farkas — **65** (Van): KARAGÖZ et al. 2022: 7.
- Polyozosia semipallida* (H.Magn.) S.Y.Kondr., Lökös & Farkas — **12** (Bingöl): YAZICI et al. 2022: 31; **13** (Bitlis): YAZICI et al. 2020b: 8 (as *Myriolecis semipallida*); **17** (Çanakkale): ORAN 2020: 440; **49** (Muş): YAZICI et al. 2020a: 446 (as *Myriolecis semipallida*); **61** (Trabzon): YAZICI & ASLAN 2023a: 30; **62** (Tunceli): YAZICI & ASLAN 2022: 178; **65** (Van): KARAGÖZ et al. 2022: 8.
- Polysporina cyclocarpa* (Taylor) Vězda — **65** (Van): KARAGÖZ et al. 2022: 8.
- Polysporina simplex* (Taylor) Vězda — **17** (Çanakkale): ORAN 2020: 442; **49** (Muş): YAZICI et al. 2020a: 447; **65** (Van): KARAGÖZ et al. 2022: 8.
- Polysporina subfuscescens* (Nyl.) K. Knudsen & Kocourk. — **62** (Tunceli): YAZICI & ASLAN 2022: 178.
- Porpidia albocaulerulescens* (Wulfen) Hertel & Knoph — **53** (Rize): YAZICI & ASLAN 2023a: 30.
- Porpidia crustulata* (Ach.) Hertel & Knoph — **28** (Giresun): YAZICI & ASLAN 2023a: 30.
- Porpidia macrocarpa* (DC.) Hertel & A.J.Schwab — **17** (Çanakkale): ORAN 2020: 442.
- Porpidia speirea* (Ach.) Kremp. — **28** (Giresun): YAZICI & ASLAN 2023a: 30.
- Porpidia tuberculosa* (Sm.) Hertel & Knoph — **53** (Rize): YAZICI & ASLAN 2023a: 30.
- Protoblastenia incrustans* (DC.) J.Steiner — **12** (Bingöl): YAZICI et al. 2022: 31; **13** (Bitlis): YAZICI et al. 2020b: 9; **49** (Muş): YAZICI et al. 2020a: 447; **61** (Trabzon): YAZICI & ASLAN 2023a: 30; **62** (Tunceli): YAZICI & ASLAN 2022: 178.
- Protoblastenia rupestris* (Scop.) J.Steiner — **12** (Bingöl): YAZICI et al. 2022: 31; **13** (Bitlis): YAZICI et al. 2020b: 9; **62** (Tunceli): YAZICI & ASLAN 2022: 178.
- Protoparmelia atriseda* (Fr.) R.Sant. & V.Wirth — **12** (Bingöl): YAZICI et al. 2022: 31; **13** (Bitlis): YAZICI et al. 2020b: 9; **28** (Giresun): YAZICI & ASLAN 2023a: 30; **62** (Tunceli): YAZICI & ASLAN 2022: 178.
- Protoparmelia badia* (Hoffm.) Hafellner — **12** (Bingöl): YAZICI et al. 2022: 31.
- Protoparmeliopsis bolcana* (Pollini) Lumbsch — **12** (Bingöl): YAZICI et al. 2022: 31; **17** (Çanakkale): ORAN 2020: 442; **49** (Muş): YAZICI et al. 2020a: 447; **62** (Tunceli): YAZICI & ASLAN 2022: 178.
- Protoparmeliopsis garovaglii* (Körb.) Arup, Zhao Xin & Lumbsch — **12** (Bingöl): YAZICI et al. 2022: 31; **49** (Muş): YAZICI et al. 2020a: 447; **62** (Tunceli): YAZICI & ASLAN 2022: 178.

- Protoparmeliopsis klauskalbii* (Sipman) Senkard. — **12** (Bingöl): YAZICI et al. 2022: 31; **13** (Bitlis): YAZICI et al. 2020b: 9; **62** (Tunceli): YAZICI & ASLAN 2022: 178.
- Protoparmeliopsis laatokkaensis* (Räsänen) Moberg & R.Sant. — **13** (Bitlis): YAZICI et al. 2020b: 9; **49** (Muş): YAZICI et al. 2020a: 447; **62** (Tunceli): YAZICI & ASLAN 2022: 178.
- Protoparmeliopsis macrocyclos* (H.Magn.) Moberg & R.Sant. — **12** (Bingöl): YAZICI et al. 2022: 31; **13** (Bitlis): YAZICI et al. 2020b: 9; **49** (Muş): YAZICI et al. 2020a: 447; **62** (Tunceli): YAZICI & ASLAN 2022: 178.
- Protoparmeliopsis muralis* (Schreb.) M.Choisy — **72** (Batman): YAZICI & ASLAN 2023b: 158.
- Protoparmeliopsis peltata* (Ramond) Arup, Zhao Xin & Lumbsch — **12** (Bingöl): YAZICI et al. 2022: 32; **49** (Muş): YAZICI et al. 2020a: 448; **62** (Tunceli): YAZICI & ASLAN 2022: 179.
- Pseudoleptogium diffractum* (Körb.) Müll.Arg. — **12** (Bingöl): YAZICI et al. 2022: 32; **62** (Tunceli): YAZICI & ASLAN 2022: 179.
- Pseudosagedia aenea* (Körb.) Hafellner & Kalb — **61** (Trabzon): YAZICI & ASLAN 2023a: 31.
- Pseudoschismatomma rufescens* (Pers.) Ertz & Tehler — **53** (Rize): YAZICI & ASLAN 2023a: 31.
- Psilolechia leprosa* Coppins & Purvis — **49** (Muş): YAZICI et al. 2020a: 448.
- Psora decipiens* (Hedw.) Hoffm. — **12** (Bingöl): YAZICI et al. 2022: 31; **13** (Bitlis): YAZICI et al. 2020b: 9; **17** (Çanakkale): ORAN 2020: 442; **49** (Muş): YAZICI et al. 2020a: 448.
- Psora globifera* (Ach.) A.Massal. — **12** (Bingöl): YAZICI et al. 2022: 31; **49** (Muş): YAZICI et al. 2020a: 448; **62** (Tunceli): YAZICI & ASLAN 2022: 179.
- Psora testacea* Hoffm. — **13** (Bitlis): YAZICI et al. 2020b: 9.
- Psora vallesiaca* (Schaer.) Timdal — **12** (Bingöl): YAZICI et al. 2022: 31; **13** (Bitlis): YAZICI et al. 2020b: 9; **49** (Muş): YAZICI et al. 2020a: 448; **62** (Tunceli): YAZICI & ASLAN 2022: 179.
- Psorotichia murorum* A. Massal. — **62** (Tunceli): YAZICI & ASLAN 2022: 179.
- Psorotichia obtenebrans* (Nyl.) Forssell — **62** (Tunceli): YAZICI & ASLAN 2022: 179.
- Psorotichia schaeereri* (A.Massal.) Arnold — **49** (Muş): YAZICI et al. 2020a: 448; **56** (Siirt): YAZICI & ASLAN 2023b: 161; **62** (Tunceli): YAZICI & ASLAN 2022: 179.
- **Pyrenidium actinellum* Nyl. — **65** (Van): KARAGÖZ et al. 2022: 8.
- Pyrenodesmia albopruinosa* (Arnold) H.Olivier — **12** (Bingöl): YAZICI et al. 2022: 24 (also as *Caloplaca agardhiana*); **62** (Tunceli): YAZICI & ASLAN 2022: 171 (as *Caloplaca agardhiana* and *Caloplaca albopruinosa*).
- Pyrenodesmia alociza* (A.Massal.) Arnold — **12** (Bingöl): YAZICI et al. 2022: 32; **62** (Tunceli): YAZICI & ASLAN 2022: 179; **65** (Van): KARAGÖZ et al. 2022: 8.
- Pyrenodesmia aractina* (Fr.) S.Y. Kondr. — **12** (Bingöl): YAZICI et al. 2022: 32; **62** (Tunceli): YAZICI & ASLAN 2022: 179.
- Pyrenodesmia chalybaea* (Fr.) A. Massal. — **12** (Bingöl): YAZICI et al. 2022: 32.
- Pyrenodesmia erodens* (Tretiach, Pinna & Grube) Søchting, Arup & Frödén — **12** (Bingöl): YAZICI et al. 2022: 32; **62** (Tunceli): YAZICI & ASLAN 2022: 179.
- Pyrenodesmia variabilis* (Pers.) A.Massal. — **17** (Çanakkale): ORAN 2020: 442; **49** (Muş): YAZICI et al. 2020a: 448.
- Pyrenopsis subareolata* Nyl. — **13** (Bitlis): YAZICI et al. 2020b: 9.
- Pyrenula laevigata* (Pers.) Arnold — **61** (Trabzon): YAZICI & ASLAN 2023a: 31.
- Pyrenula macrospora* (Degel.) Coppins & P.James — **61** (Trabzon): YAZICI & ASLAN 2023a: 31.
- Pyrrhospora querneae* (Dicks.) Körb. — **28** (Giresun): YAZICI & ASLAN 2023a: 31.
- Ramalina calicaris* (L.) Fr. — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1698; **53** (Rize): YAZICI & ASLAN 2023a: 31.
- Ramalina capitata* (Ach.) Nyl. — **49** (Muş): YAZICI et al. 2020a: 448.
- Ramalina pollinaria* (Westr.) Ach. — **13** (Bitlis): YAZICI et al. 2020b: 9; **65** (Van): KARAGÖZ et al. 2022: 8.
- Ramalina polymorpha* (Lilj.) Ach. — **28** (Giresun): YAZICI & ASLAN 2023a: 31; **65** (Van): KARAGÖZ et al. 2022: 8.
- Ramalina thrausta* (Ach.) Nyl. — **28** (Giresun): YAZICI & ASLAN 2023a: 31.

- Rhizocarpon badioatrum* (Flörke ex Spreng.) Th. Fr. — **62** (Tunceli): YAZICI & ASLAN 2022: 179.
- Rhizocarpon disporum* (Nägeli ex Hepp) Müll.Arg. — **12** (Bingöl): YAZICI et al. 2022: 32; **28** (Giresun): YAZICI & ASLAN 2023a: 31; **49** (Muş): YAZICI et al. 2020a: 448; **61** (Trabzon): YAZICI & ASLAN 2023a: 31; **62** (Tunceli): YAZICI & ASLAN 2022: 179.
- Rhizocarpon distinctum* Th.Fr. — **10** (Balıkesir): ORAN 2020: 443; **12** (Bingöl): YAZICI et al. 2022: 32.
- Rhizocarpon epispilum* (Nyl.) Zahlbr. — **28** (Giresun): YAZICI & ASLAN 2023a: 31; **49** (Muş): YAZICI et al. 2020a: 448.
- Rhizocarpon furfurosom* H.Magn. & Poelt — **12** (Bingöl): YAZICI et al. 2022: 32; **62** (Tunceli): YAZICI & ASLAN 2022: 179.
- Rhizocarpon geminatum* Körb. — **12** (Bingöl): YAZICI et al. 2022: 32; **49** (Muş): YAZICI et al. 2020a: 448.
- Rhizocarpon geographicum* (L.) DC. — **12** (Bingöl): YAZICI et al. 2022: 32.
- Rhizocarpon hochstetteri* (Körb.) Vain. — **28** (Giresun): YAZICI & ASLAN 2023a: 31.
- Rhizocarpon lecanorinum* Anders — **12** (Bingöl): YAZICI et al. 2022: 32; **49** (Muş): YAZICI et al. 2020a: 448.
- Rhizocarpon oederi* (Ach.) Körb. — **28** (Giresun): YAZICI & ASLAN 2023a: 31.
- Rhizocarpon reductum* Th.Fr. — **12** (Bingöl): YAZICI et al. 2022: 32.
- Rhizocarpon subgeminatum* Eitner — **12** (Bingöl): YAZICI et al. 2022: 32.
- Rhizoplaca melanophthalma* (DC.) Leuckert & Poelt — **12** (Bingöl): YAZICI et al. 2022: 32; **62** (Tunceli): YAZICI & ASLAN 2022: 179.
- Rhizoplaca subdiscrepans* (Nyl.) R.Sant. — **49** (Muş): YAZICI et al. 2020a: 448.
- Ricasolia amplissima* (Scop.) De Not. — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1698.
- Rinodina albana* (A.Massal.) A.Massal. — **13** (Bitlis): YAZICI et al. 2020b: 9.
- Rinodina aspersa* (Borrer) J.R.Laundon — **10** (Balıkesir): ORAN 2020: 443.
- Rinodina bischoffii* (Hepp) A.Massal. — **12** (Bingöl): YAZICI et al. 2022: 32; **13** (Bitlis): YAZICI et al. 2020b: 9; **49** (Muş): YAZICI et al. 2020a: 448; **65** (Van): KARAGÖZ et al. 2022: 8.
- Rinodina calcarea* (Hepp ex Arnold) Arnold — **13** (Bitlis): YAZICI et al. 2020b: 9.
- Rinodina capensis* Hampe — **13** (Bitlis): YAZICI et al. 2020b: 9.
- Rinodina confragosa* (Ach.) Körb. — **62** (Tunceli): YAZICI & ASLAN 2022: 179.
- Rinodina guzzini* Jatta — **12** (Bingöl): YAZICI et al. 2022: 32; **62** (Tunceli): YAZICI & ASLAN 2022: 179; **65** (Van): KARAGÖZ et al. 2022: 8.
- Rinodina immersa* (Körb.) Arnold — **12** (Bingöl): YAZICI et al. 2022: 32; **13** (Bitlis): YAZICI et al. 2020b: 9; **49** (Muş): YAZICI et al. 2020a: 448; **62** (Tunceli): YAZICI & ASLAN 2022: 179; **65** (Van): KARAGÖZ et al. 2022: 8.
- Rinodina lecanorina* (A.Massal.) A.Massal. — **13** (Bitlis): YAZICI et al. 2020b: 9; **49** (Muş): YAZICI et al. 2020a: 448.
- Rinodina luridata* (Körb.) H.Mayrhofer — **13** (Bitlis): YAZICI et al. 2020b: 9; **62** (Tunceli): YAZICI & ASLAN 2022: 179.
- Rinodina milvina* (Wahlenb.) Th. Fr. — **62** (Tunceli): YAZICI & ASLAN 2022: 179.
- Rinodina obnascens* (Nyl.) H.Olivier — **12** (Bingöl): YAZICI et al. 2022: 33; **13** (Bitlis): YAZICI et al. 2020b: 10; **62** (Tunceli): YAZICI & ASLAN 2022: 180.
- Rinodina occulta* (Körb.) Sheard — **12** (Bingöl): YAZICI et al. 2022: 33; **49** (Muş): YAZICI et al. 2020a: 448; **62** (Tunceli): YAZICI & ASLAN 2022: 180.
- Rinodina oleae* Bagl. — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1698; **13** (Bitlis): YAZICI et al. 2020b: 10.
- Rinodina parasitica* H.Mayrhofer & Poelt — **13** (Bitlis): YAZICI et al. 2020b: 10.
- Rinodina poeltii* Giralt & Obermayer — **12** (Bingöl): YAZICI et al. 2022: 33; **62** (Tunceli): YAZICI & ASLAN 2022: 180.

- Rinodina pyrina* (Ach.) Arnold — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1698; **12** (Bingöl): YAZICI et al. 2022: 33; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 448; **53** (Rize): YAZICI & ASLAN 2023a: 31; **62** (Tunceli): YAZICI & ASLAN 2022: 180.
- Rinodina rinodinoides* (Anzi) H.Mayrhofer & Scheid. — **12** (Bingöl): YAZICI et al. 2022: 33; **13** (Bitlis): YAZICI et al. 2020b: 10; **62** (Tunceli): YAZICI & ASLAN 2022: 180.
- Rinodina sophodes* (Ach.) A.Massal. — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1698; **62** (Tunceli): YAZICI & ASLAN 2022: 180; **65** (Van): KARAGÖZ et al. 2022: 8.
- Rinodina teichophila* (Nyl.) Arnold — **12** (Bingöl): YAZICI et al. 2022: 33; **65** (Van): KARAGÖZ et al. 2022: 8.
- Rinodina terrestris* Tomin — **12** (Bingöl): YAZICI et al. 2022: 33; **13** (Bitlis): YAZICI et al. 2020b: 10.
- Rinodina trachytica* (A.Massal.) Bagl. & Car. — **12** (Bingöl): YAZICI et al. 2022: 33; **62** (Tunceli): YAZICI & ASLAN 2022: 180.
- Rinodina trevisanii* (Hepp) Korb. — **62** (Tunceli): YAZICI & ASLAN 2022: 180.
- Romjularia lurida* (Ach.) Timdal — **12** (Bingöl): YAZICI et al. 2022: 33; **13** (Bitlis): YAZICI et al. 2020b: 10; **28** (Giresun): YAZICI & ASLAN 2023a: 32; **49** (Muş): YAZICI et al. 2020a: 448.
- **Rosellinula frustulosae* (Vouaux) R.Sant. — **12** (Bingöl): YAZICI et al. 2022: 33.
- **Rosellinula haplospora* (Th.Fr.) R.Sant. — **13** (Bitlis): YAZICI et al. 2020b: 10.
- Rufoplaca arenaria* (Pers.) Arup, Söchting & Frödén — **12** (Bingöl): YAZICI et al. 2022: 33; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 448; **65** (Van): KARAGÖZ et al. 2022: 8.
- Rusavskia elegans* (Link) S.Kondr. & Kärnefelt — **12** (Bingöl): YAZICI et al. 2022: 35.
- Rusavskia soreliata* (Vain.) S.Kondr. & Kärnefelt — **12** (Bingöl): YAZICI et al. 2022: 33.
- Sagedia mastrucata* (Wahlenb.) A.Nordin, Savić & Tibell — **12** (Bingöl): YAZICI et al. 2022: 33; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 448; **62** (Tunceli): YAZICI & ASLAN 2022: 180.
- Sarcogyne clavus* (DC.) Kremp. — **12** (Bingöl): YAZICI et al. 2022: 33; **13** (Bitlis): YAZICI et al. 2020b: 10; **28** (Giresun): YAZICI & ASLAN 2023a: 32; **49** (Muş): YAZICI et al. 2020a: 448; **62** (Tunceli): YAZICI & ASLAN 2022: 180.
- Sarcogyne fallax* H.Magn. — **12** (Bingöl): YAZICI et al. 2022: 33.
- Sarcogyne hypophaea* (Nyl.) Arnold — **12** (Bingöl): YAZICI et al. 2022: 33 (as *Sarcogyne privigna*); **13** (Bitlis): YAZICI et al. 2020b: 10 (as *Sarcogyne privigna*); **49** (Muş): YAZICI et al. 2020a: 448 (as *Sarcogyne privigna*); **65** (Van): KARAGÖZ et al. 2022: 8 (as *Sarcogyne privigna*).
- Sarcogyne regularis* Körb. — **12** (Bingöl): YAZICI et al. 2022: 33; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 448; **62** (Tunceli): YAZICI & ASLAN 2022: 180; **65** (Van): KARAGÖZ et al. 2022: 8.
- Schaereria fuscocinerea* (Nyl.) Clauzade & Cl.Roux — **12** (Bingöl): YAZICI et al. 2022: 33; **13** (Bitlis): YAZICI et al. 2020b: 10; **62** (Tunceli): YAZICI & ASLAN 2022: 180; **65** (Van): KARAGÖZ et al. 2022: 8.
- **Sclerococcum montagnei* Hafellner — **12** (Bingöl): YAZICI et al. 2022: 33; **28** (Giresun): YAZICI & ASLAN 2023a: 32; **62** (Tunceli): YAZICI & ASLAN 2022: 180.
- Scoliciosporum umbrinum* (Ach.) Arnold — **13** (Bitlis): YAZICI et al. 2020b: 10; **65** (Van): KARAGÖZ et al. 2022: 8.
- Scythioria phlogina* (Ach.) S.Y. Kondr., Kärnefelt, Elix, A. Thell & Hur — **62** (Tunceli): YAZICI & ASLAN 2022: 180.
- Scytinium callopismum* (A.Massal.) Otálora, P.M.Jørg. & Wedin — **13** (Bitlis): YAZICI et al. 2020b: 10.
- Scytinium gelatinosum* (With.) Otálora, P.M.Jørg. & Wedin — **12** (Bingöl): YAZICI et al. 2022: 33; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 448; **62** (Tunceli): YAZICI & ASLAN 2022: 180; **65** (Van): KARAGÖZ et al. 2022: 8.

- Scytinium intermedium* (Arnold) Otálora, P.M.Jørg. & Wedin — **12** (Bingöl): YAZICI et al. 2022: 33; **13** (Bitlis): YAZICI et al. 2020b: 10.
- Scytinium lichenoides* (L.) Otálora, P.M. Jørg. & Wedin — **12** (Bingöl): YAZICI et al. 2022: 33; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 448.
- Scytinium palmatum* (Huds.) Gray — **10** (Balıkesir): ORAN 2020: 443; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 448; **62** (Tunceli): YAZICI & ASLAN 2022: 180.
- Scytinium parvum* (Degel.) Otálora, P.M. Jørg. & Wedin — **12** (Bingöl): YAZICI et al. 2022: 33; **13** (Bitlis): YAZICI et al. 2020b: 10; **16** (Bursa): GÖGEN et al. 2020: 311; **62** (Tunceli): YAZICI & ASLAN 2022: 180.
- Scytinium plicatile* (Ach.) Otálora, P.M. Jørg. & Wedin — **49** (Muş): YAZICI et al. 2020a: 448; **62** (Tunceli): YAZICI & ASLAN 2022: 180.
- Scytinium schraderi* (Bernh.) Otálora, P.M. Jørg. & Wedin — **12** (Bingöl): YAZICI et al. 2022: 33; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 448; **62** (Tunceli): YAZICI & ASLAN 2022: 180.
- Scytinium subtile* (Schr.) Otálora, P.M. Jørg. & Wedin — **49** (Muş): YAZICI et al. 2020a: 448.
- Scytinium teretiusculum* (Wallr.) Otálora, P.M.Jørg. & Wedin — **49** (Muş): YAZICI et al. 2020a: 445 (as *Leptogium teretiusculum*).
- Seawardiella lobulata* (Flörke) S.Y.Kondr., Kärnefelt & A.Thell — **12** (Bingöl): YAZICI et al. 2022: 33; **13** (Bitlis): YAZICI et al. 2020b: 5 (as *Calogaya lobulata*); **28** (Giresun): YAZICI & ASLAN 2023a: 32; **49** (Muş): YAZICI et al. 2020a: 442 (as *Calogaya lobulata*); **62** (Tunceli): YAZICI & ASLAN 2022: 180; **65** (Van): KARAGÖZ et al. 2022: 8.
- Sedelnikovaea subdiscrepans* (Nyl.) S.Y.Kondr., Lőkös & Farkas — **28** (Giresun): YAZICI & ASLAN 2023a: 32.
- Solenopsora candicans* (Dicks.) J.Steiner — **13** (Bitlis): YAZICI et al. 2020b: 10.
- Solenopsora cesatii* (A. Massal.) Zahlbr. — **62** (Tunceli): YAZICI & ASLAN 2022: 180.
- Solenopsora grisea* (Bagl.) Kotlov — **10** (Balıkesir): DARMOSTUK et al. 2022: 122; **20** (Denizli): DARMOSTUK et al. 2022: 122; **45** (Manisa): DARMOSTUK et al. 2022: 122.
- Solenopsora holophaea* (Mont.) Samp. — **13** (Bitlis): YAZICI et al. 2020b: 10.
- **Sphinctrina tubaeformis* A.Massal. — **61** (Trabzon): YAZICI & ASLAN 2023a: 32.
- Sporastatia testudinea* (Ach.) A.Massal. — **12** (Bingöl): YAZICI et al. 2022: 33; **62** (Tunceli): YAZICI & ASLAN 2022: 180.
- Squamarina cartilaginea* (With.) P.James — **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 448.
- Squamarina lentigera* (Weber) Poelt — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10; **17** (Çanakkale): ORAN 2020: 442; **62** (Tunceli): YAZICI & ASLAN 2022: 180.
- Squamulea subsoluta* (Nyl.) Arup, Søchting & Frödén — **13** (Bitlis): YAZICI et al. 2020b: 10.
- Staurothele areolata* (Ach.) Lettau — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 448; **62** (Tunceli): YAZICI & ASLAN 2022: 180.
- Staurothele caesia* (Arnold) Arnold — **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 449.
- Staurothele fissa* (Taylor) Zwackh — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 449; **62** (Tunceli): YAZICI & ASLAN 2022: 181.
- Staurothele frustulenta* Vain. — **65** (Van): KARAGÖZ et al. 2022: 8.
- Staurothele hymenogonia* (Nyl.) Th.Fr. — **16** (Bursa): GÖGEN et al. 2020: 311.
- Staurothele pulvinatum* (Th.Fr.) Heidm. — **65** (Van): KARAGÖZ et al. 2022: 8.
- Staurothele rufa* (A.Massal.) Zschacke — **12** (Bingöl): YAZICI et al. 2022: 34; **65** (Van): KARAGÖZ et al. 2022: 8.
- Sticta limbata* (Sm.) Ach. — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1698.
- Sticta sylvatica* (Huds.) Ach. — **28** (Giresun): YAZICI & ASLAN 2023a: 32.
- **Stigmatidium gyrophorum* (Arnold) D.Hawksw. — **13** (Bitlis): YAZICI et al. 2020b: 10.

- Synalissa ramulosa* (Bernh.) Fr. — **12** (Bingöl): YAZICI et al. 2022: 34 (as *Synalissa symphorea*); **56** (Siirt): YAZICI & ASLAN 2023b: 161 (as *Synalissa symphorea*); **62** (Tunceli): YAZICI & ASLAN 2022: 181 (as *Synalissa symphorea*).
- Tephromela atra* (Huds.) Hafellner — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 449; **65** (Van): KARAGÖZ et al. 2022: 8.
- Tephromela grumosa* (Pers.) Hafellner & Cl.Roux — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 449; **62** (Tunceli): YAZICI & ASLAN 2022: 181.
- Tetramelas pulverulentus* (Anzi) A.Nordin & Tibell — **65** (Van): KARAGÖZ et al. 2022: 8.
- Thalloidima candidum* (Weber) A.Massal. — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10 (as *Toninia candida*); **49** (Muş): YAZICI et al. 2020a: 449 (as *Toninia candida*).
- Thalloidima opuntioides* (Vill.) Kistenich, Timdal, Bendiksby & S. Ekman — **13** (Bitlis): YAZICI et al. 2020b: 10 (as *Toninia opuntioides*); **49** (Muş): YAZICI et al. 2020a: 449 (as *Toninia opuntioides*); **62** (Tunceli): YAZICI & ASLAN 2022: 181.
- Thalloidima physaroides* (Opiz) Kistenich et al. — **12** (Bingöl): YAZICI et al. 2022: 34; **62** (Tunceli): YAZICI & ASLAN 2022: 181.
- Thalloidima sedifolium* (Scop.) Kistenich et al. — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10 (as *Toninia sedifolia*); **17** (Çanakkale): ORAN 2020: 443; **49** (Muş): YAZICI et al. 2020a: 449 (as *Toninia sedifolia*).
- Thalloidima tauricum* Szatala — **62** (Tunceli): YAZICI & ASLAN 2022: 181 (as *Toninia taurica*).
- Thelenella muscorum* (Fr.) Vain. — **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 449.
- Thelidium papulare* (Fr.) Arnold — **28** (Giresun): YAZICI & ASLAN 2023a: 32.
- Thrombium epigaeum* (Pers.) Wallr. — **65** (Van): KARAGÖZ et al. 2022: 6 (as *Inoderma epigaeum*).
- Thyrea confusa* Henssen — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 449; **62** (Tunceli): YAZICI & ASLAN 2022: 181.
- Toninia cinereovirens* (Schaer.) A.Massal. — **12** (Bingöl): YAZICI et al. 2022: 34; **62** (Tunceli): YAZICI & ASLAN 2022: 181.
- Toninia diffracta* (A.Massal.) Zahlbr. — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 449.
- Toninia squalida* (Ach.) A.Massal. — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 449; **61** (Trabzon): YAZICI & ASLAN 2023a: 32; **62** (Tunceli): YAZICI & ASLAN 2022: 181.
- **Toninia subfuscae* (Arnold) Timdal — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1698.
- Toniniopsis aromatica* (Sm.) Kistenich et al. — **65** (Van): KARAGÖZ et al. 2022: 9.
- Trapelia coarctata* (Turner) M.Choisy — **10** (Balıkesir): ORAN 2020: 443; **17** (Çanakkale): ORAN 2020: 443.
- Trapelia placodioides* Coppins & P.James — **12** (Bingöl): YAZICI et al. 2022: 34; **28** (Giresun): YAZICI & ASLAN 2023a: 32; **62** (Tunceli): YAZICI & ASLAN 2022: 181.
- Tremolecia atrata* (Ach.) Hertel — **53** (Rize): YAZICI & ASLAN 2023a: 32.
- Umbilicaria crustulosa* (Ach.) Lamy — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10; **28** (Giresun): YAZICI & ASLAN 2023a: 32; **49** (Muş): YAZICI et al. 2020a: 449; **61** (Trabzon): YAZICI & ASLAN 2023a: 32; **62** (Tunceli): YAZICI & ASLAN 2022: 181.
- Umbilicaria cylindrica* (L.) Delise — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10; **62** (Tunceli): YAZICI & ASLAN 2022: 181.
- Umbilicaria decussata* (Vill.) Zahlbr. — **13** (Bitlis): YAZICI et al. 2020b: 10.
- Umbilicaria deusta* (L.) Baumg. — **13** (Bitlis): YAZICI et al. 2020b: 10.
- Umbilicaria hirsuta* (Sw. ex Westr.) Ach. — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10; **62** (Tunceli): YAZICI & ASLAN 2022: 181.

- Umbilicaria proboscidea* (L.) Schrad. — **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 449.
- Umbilicaria pustulata* (L.) Hoffm. — **19** (Çorum): SADOWSKA-DEŚ 2019: 193; **26** (Eskişehir): SADOWSKA-DEŚ 2019: 193.
- Umbilicaria torrefacta* (Lightf.) Schrad. — **17** (Çanakkale): ORAN 2020: 443.
- Umbilicaria vellea* (L.) Ach. — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 449; **62** (Tunceli): YAZICI & ASLAN 2022: 181; **65** (Van): KARAGÖZ et al. 2022: 9.
- Usnea cavernosa* Tuck. — **28** (Giresun): YAZICI & ASLAN 2023a: 32.
- Usnea cornuta* Körb. — **61** (Trabzon): YAZICI & ASLAN 2023a: 32.
- Usnea glabrata* (Ach.) Vain. — **61** (Trabzon): YAZICI & ASLAN 2023a: 32.
- Usnea hirta* (L.) Weber ex F.H.Wigg. — **17** (Çanakkale): ORAN 2020: 443.
- Usnea intermedia* (A.Massal.) Jatta — **17** (Çanakkale): ORAN 2020: 443; **28** (Giresun): YAZICI & ASLAN 2023a: 32; **61** (Trabzon): YAZICI & ASLAN 2023a: 32.
- Usnea substerilis* Motyka — **61** (Trabzon): YAZICI & ASLAN 2023a: 32.
- Vahliella leucophaea* (Vahl.) P.M.Jørg. — **49** (Muş): YAZICI et al. 2020a: 449; **62** (Tunceli): YAZICI & ASLAN 2022: 181.
- Varicellaria lactea* (L.) Schmitt & Lumbsch — **28** (Giresun): YAZICI & ASLAN 2023a: 32.
- Variospora dolomiticola* (Hue) Arup, Søchting & Frödén — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 449; **53** (Rize): YAZICI & ASLAN 2023a: 33; **62** (Tunceli): YAZICI & ASLAN 2022: 181.
- Variospora flavescens* (Huds.) Arup, Frödén & Søchting — **65** (Van): KARAGÖZ et al. 2022: 9.
- Verrucaria canella* Nyl. — **62** (Tunceli): YAZICI & ASLAN 2022: 181.
- Verrucaria dolosa* Hepp — **53** (Rize): YAZICI & ASLAN 2023a: 33.
- Verrucaria fuscella* (Turner) Winch — **12** (Bingöl): YAZICI et al. 2022: 34 (as *Verrucaria fuscella*); **13** (Bitlis): YAZICI et al. 2020b: 10 (as *Verrucaria fuscella*); **17** (Çanakkale): ORAN 2020: 442; **49** (Muş): YAZICI et al. 2020a: 447; **62** (Tunceli): YAZICI & ASLAN 2022: 181; **65** (Van): KARAGÖZ et al. 2022: 9 (as *Verrucaria fuscella*).
- Verrucaria hochstetteri* Fr. — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10; **62** (Tunceli): YAZICI & ASLAN 2022: 181.
- Verrucaria latericola* Erichsen — **13** (Bitlis): YAZICI et al. 2020b: 10 (as *Verrucula latericola*); **49** (Muş): YAZICI et al. 2020a: 449 (as *Verrucula latericola*); **62** (Tunceli): YAZICI & ASLAN 2022: 181; **65** (Van): KARAGÖZ et al. 2022: 9 (as *Verrucula latericola*).
- Verrucaria macrostoma* Dufour ex DC. — **13** (Bitlis): YAZICI et al. 2020b: 10; **65** (Van): KARAGÖZ et al. 2022: 9.
- Verrucaria muralis* Ach. — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 449; **65** (Van): KARAGÖZ et al. 2022: 9.
- Verrucaria nigrescens* Pers. — **12** (Bingöl): YAZICI et al. 2022: 34; **49** (Muş): YAZICI et al. 2020a: 449; **65** (Van): KARAGÖZ et al. 2022: 9.
- Verrucaria ochrostoma* Borrer — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 449; **62** (Tunceli): YAZICI & ASLAN 2022: 181; **65** (Van): KARAGÖZ et al. 2022: 9.
- Verrucaria polysticta* Borrer — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 449; **62** (Tunceli): YAZICI & ASLAN 2022: 181; **65** (Van): KARAGÖZ et al. 2022: 9.
- Verrucaria sphaerospora* Anzi — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 449; **62** (Tunceli): YAZICI & ASLAN 2022: 181; **65** (Van): KARAGÖZ et al. 2022: 9.
- Verrucaria viridula* (Schrad.) Ach. — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 449; **62** (Tunceli): YAZICI & ASLAN 2022: 181.

- Verruculopsis lecideoides* (A.Massal.) Gueidan & Cl.Roux — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 10; **49** (Muş): YAZICI et al. 2020a: 449; **62** (Tunceli): YAZICI & ASLAN 2022: 181; **65** (Van): KARAGÖZ et al. 2022: 9.
- Xalocoa ocellata* (Fr.) Kraichak, Lücking & Lumbsch — **12** (Bingöl): YAZICI et al. 2022: 34; **13** (Bitlis): YAZICI et al. 2020b: 6 (as *Diploschistes ocellatus*); **49** (Muş): YAZICI et al. 2020a: 449.
- Xanthptychia contortuplicata* (Ach.) S.Y.Kondr. & Ravera — **12** (Bingöl): YAZICI et al. 2022: 35 (as *Xanthoria contortuplicata*); **65** (Van): KARAGÖZ et al. 2022: 9.
- Xanthocarpia crenulatella* (Nyl.) Frödén, Arup & Söchting — **12** (Bingöl): YAZICI et al. 2022: 34; **49** (Muş): YAZICI et al. 2020a: 449; **62** (Tunceli): YAZICI & ASLAN 2022: 181; **65** (Van): KARAGÖZ et al. 2022: 9.
- Xanthocarpia ferrarii* (Bagl.) Frödén, Arup & Söchting — **12** (Bingöl): YAZICI et al. 2022: 34.
- Xanthocarpia interfulgens* (Nyl.) Frödén, Arup & Söchting — **12** (Bingöl): YAZICI et al. 2022: 35; **62** (Tunceli): YAZICI & ASLAN 2022: 181.
- Xanthocarpia lactea* (A.Massal.) A.Massal. — **49** (Muş): YAZICI et al. 2020a: 449; **65** (Van): KARAGÖZ et al. 2022: 5 (as *Caloplaca lactea*).
- Xanthocarpia marmorata* (Bagl.) Frödén, Arup & Söchting — **12** (Bingöl): YAZICI et al. 2022: 35; **49** (Muş): YAZICI et al. 2020a: 449; **62** (Tunceli): YAZICI & ASLAN 2022: 181.
- Xanthocarpia ochracea* (Schaer.) A. Massal. & De Not. — **12** (Bingöl): YAZICI et al. 2022: 24 (as *Caloplaca ochracea*); **28** (Giresun): YAZICI & ASLAN 2023a: 23 (as *Caloplaca ochracea*); **62** (Tunceli): YAZICI & ASLAN 2022: 171 (as *Caloplaca ochracea*).
- Xanthomendoza fallax* (Arnold) Söchting, Kärnefelt & S.Y.Kondr. — **12** (Bingöl): YAZICI et al. 2022: 29 (as *Oxneria fallax*); **28** (Giresun): YAZICI & ASLAN 2023a: 28 (as *Oxneria fallax*); **49** (Muş): YAZICI et al. 2020a: 446 (as *Oxneria fallax*); **62** (Tunceli): YAZICI & ASLAN 2022: 176 (as *Oxneria fallax*); **65** (Van): KARAGÖZ et al. 2022: 5 (as *Oxneria fallax*).
- Xanthomendoza fulva* (Hoffm.) Söchting, Kärnefelt & S.Kondr. — **12** (Bingöl): YAZICI et al. 2022: 26 (as *Gallowayella fulva*); **13** (Bitlis): YAZICI et al. 2020b: 6 (as *Gallowayella fulva*); **49** (Muş): YAZICI et al. 2020a: 443 (as *Gallowayella fulva*).
- Xanthoparmelia conspersa* (Ehrh. ex Ach.) Hale — **12** (Bingöl): YAZICI et al. 2022: 35; **13** (Bitlis): YAZICI et al. 2020b: 11; **49** (Muş): YAZICI et al. 2020a: 449; **62** (Tunceli): YAZICI & ASLAN 2022: 181; **65** (Van): KARAGÖZ et al. 2022: 9.
- Xanthoparmelia delisei* (Duby) O.Blanco et al. — **12** (Bingöl): YAZICI et al. 2022: 35; **13** (Bitlis): YAZICI et al. 2020b: 11; **49** (Muş): YAZICI et al. 2020a: 449; **62** (Tunceli): YAZICI & ASLAN 2022: 182.
- Xanthoparmelia perrugata* (Nyl.) O.Blanco et al. — **10** (Balıkesir): ORAN 2020: 444; **17** (Çanakkale): ORAN 2020: 444.
- Xanthoparmelia pokornyi* (Körb.) O.Blanco et al. — **13** (Bitlis): YAZICI et al. 2020b: 11.
- Xanthoparmelia protomatrae* (Gyeln.) Hale — **17** (Çanakkale): ORAN 2020: 444.
- Xanthoparmelia pulla* (Ach.) O.Blanco et al. — **12** (Bingöl): YAZICI et al. 2022: 35; **13** (Bitlis): YAZICI et al. 2020b: 11; **49** (Muş): YAZICI et al. 2020a: 449.
- Xanthoparmelia stenophylla* (Ach.) Ahti & D.Hawksw. — **12** (Bingöl): YAZICI et al. 2022: 35; **49** (Muş): YAZICI et al. 2020a: 449; **62** (Tunceli): YAZICI & ASLAN 2022: 182; **65** (Van): KARAGÖZ et al. 2022: 9.
- Xanthoparmelia tinctina* (Maheu & A.Gillet) Hele — **12** (Bingöl): YAZICI et al. 2022: 35; **13** (Bitlis): YAZICI et al. 2020b: 11; **49** (Muş): YAZICI et al. 2020a: 449; **53** (Rize): YAZICI & ASLAN 2023a: 33; **62** (Tunceli): YAZICI & ASLAN 2022: 182; **65** (Van): KARAGÖZ et al. 2022: 9.
- Xanthoparmelia verruculifera* (Nyl.) Essl. — **12** (Bingöl): YAZICI et al. 2022: 35; **13** (Bitlis): YAZICI et al. 2020b: 11; **49** (Muş): YAZICI et al. 2020a: 449; **61** (Trabzon): YAZICI & ASLAN 2023a: 33; **62** (Tunceli): YAZICI & ASLAN 2022: 182; **65** (Van): KARAGÖZ et al. 2022: 9.
- Xanthoria calcicola* Oxner — **49** (Muş): YAZICI et al. 2020a: 449 (as *Xanthoria aureola*); **62** (Tunceli): YAZICI & ASLAN 2022: 182 (as *Xanthoria aureola*); **65** (Van): KARAGÖZ et al. 2022: 9 (as *Xanthoria aureola*).

- Xanthoria isidioidea* (Beltram.) Szatala — **07** (Antalya): KARAGÜNLÜ & TUFAN-ÇETİN 2020: 1698.
Xanthoria parietina (L.) Th.Fr. — **12** (Bingöl): YAZICI et al. 2022: 35; **13** (Bitlis): YAZICI et al. 2020b: 11; **49** (Muş): YAZICI et al. 2020a: 449; **65** (Van): KARAGÖZ et al. 2022: 9; **81** (Düzce): BOZKURT 2017: 573.
Zahlbrucknerella calcarea (Herre) Zahlbr. — **61** (Trabzon): YAZICI & ASLAN 2023a: 33; **62** (Tunceli): YAZICI & ASLAN 2022: 182.
Zwackhia viridis (Ach.) Poetsch & Schied. — **53** (Rize): YAZICI & ASLAN 2023a: 33.
Zwackhiomyces coepulonus* (Norman) Grube & R.Sant. — **13 (Bitlis): YAZICI et al. 2020b: 11; **28** (Giresun): YAZICI & ASLAN 2023a: 33.
Zwackhiomyces sphinctrinoides* (Zwackh) Grube & Hafellner — **65 (Van): KARAGÖZ et al. 2022: 9.
Zwackhiomyces turcicus* Kocakaya, Halici & Aksoy — **49 (Muş): YAZICI et al. 2020a: 449.

3.2.2 Original data for provinces

- Amandinea punctata* (Hoffm.) Coppins & Scheid. — **06** (Ankara): At the border of Bolu and Ankara, ca. 115 km NW of Ankara on the road E 5, meadow at a rivulet in *Pinus* forest. On trunk of *Pinus sylvestris*. Alt. 1390 m, 12.IV.1972, leg. Pertti Uotila (15582, H); **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'39''N, 31°02'54''E. Alt. 350 m. Hills with *Corylus*-plantations. On wooden pole. 27.III.2010, leg. et det. V. John (Nr. 13082, M).
Aspiciliella cupreoglauca (B.de Lesd.) Zakeri, Divakar & Otte — **66** (Yozgat): Mountains S Yozgat, near University. 39°46'N 34°48'E. Alt. 1380 m. On siliceous rocks. 17.VII.2001, leg. et det. V. John (Nr. 13253, M).
Bacidia polychroa (Th.Fr.) Körb. — **14** (Bolu): c. 10 km W of Bolu, Boludağı, 100-500 m S of Hotel Koru. *Abies nordmanniana* ssp. *bornmuelleriana* - *Fagus* forest on slope facing W. Alt. c. 800m, On decayed stem of *Populus tremula*, 23.V.1983, leg. Pertti Uotila (32328, H).
Bellemerea cinereorufescens (Ach.) Clauzade & Cl.Roux — **29** (Gümüşhane): Rock peak east of Zigana Geçidi. 40°37'54''N 39°25'57''E. 2350 m. Siliceous rocks. 2.VIII.1997, leg. et det. V. John.
Biatora efflorescens (Hedl.) Räsänen — **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'N, 31°01'E. Alt. 165 m. Slope with *Fagus orientalis*-forest. On bark of *Fagus orientalis*. 27.III.2010, leg. et det. V. John (Nr. 12205, M).
Bilimbia lobulata (Sommerf.) Hafellner & Coppins — **61** (Trabzon): South of Maçka, road to Sumela. 40°41'N, 39°39'E, Alt. 1400 m, on mosses in *Abies cilicicus*-forest. 17.VIII.1988, leg. et det. V. John (Nr. 13102, M).
Bilimbia sabuletorum (Schreb.) Arnold — **29** (Gümüşhane): Rock peak east of Zigana Geçidi. 40°37'54''N 39°25'57''E. 2350 m. Mosses over siliceous rocks. 2.VIII.1997, leg. et det. V. John.
Blastenia ammiospila (Wahlenb.) Arup, Søchting & Frödén — **40** (Kırşehir): Karagasekmek Dağı W of Kırşehir. 39°16'N 34°04'E. 1350 m. Siliceous rocks near Kurtbeliyeniyapan. 8.VII.2001, leg. et det. V. John (Nr. 14165, M).
Blastenia crenularia (With.) Arup, Søchting & Frödén — **29** (Gümüşhane): Rock peak east of Zigana Geçidi. 40°37'54''N 39°25'57''E. 2350 m. Siliceous rocks. 2.VIII.1997, leg. et det. V. John (Nr. 13385, M).
Blastenia herbidella (Hue) Servit — **48** (Muğla): Marmaris, ca. 4 E of Marmaris. Brookside with temporarily inundated *Liquidambar orientalis* forest. Alt. ca sea level, On *Liquidambar orientalis*, 18.V.1983, leg. Risto Murto (1380b, H); **66** (Yozgat): Büyükalbant Dağı, mountain SW Bozhüyük. 39°34'N 36°01'E. Alt. 2000 m. On *Pinus brutia*. 16.VII.2001, leg. et det. V. John (Nr. 13308, M).
Blennothallia crispa (Huds.) Otálora, P.M.Jørg. & Wedin — **09** (Aydın): Milet, on ancient ruins. 30.III.1970, leg. Mikko Raatikainen (H).

- Bryoria bicolor* (Ehrh.) Brodo & D.Hawksw. — **29** (Gümüşhane): Rock peak east of Zigana Geçidi. 40°37'54''N 39°25'57''E. 2350 m. Siliceous rocks. 2.VIII.1997, leg. et det. V. John (Nr. 13354, M).
- Buellia griseovirens* (Sm.) Almb. — **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'39''N, 31°02'54''E. Alt. 350 m. Hills with *Corylus*-plantations. On *Corylus maxima* branches. 27.III.2010, V. John.
- Caloplaca chlorina* (Flot.) Sandst. — **66** (Yozgat): open hills with cliffs NE of Dedefakılı, N of Doğan kent. 39°43'N 35°26'E. Alt. 1200 m. On siliceous rock. 30.VII.2002, leg. et det. V. John (Nr. 13206, M).
- Caloplaca floridana* (Tuck.) Tucker — **48** (Muğla): Between Milas and Muğla, by the main road, Tuzabat. *Pinus brutia* forest with locally abundant macchie shrubs; intensively pastured grassland at roadside. Alt. 470 - 500 m. On *Pinus brutia*, 17.V.1983, leg. Risto Murto (1366, H).
- Caloplaca haematites* (Chaub. ex St.-Amans) Zwackh — **43** (Kütahya): Afyon – Kütahya, 32 km from Kütahya. Open *Juniperus* – *Quercus* woodland. Alt. 1200 m, On branches of *Juniperus excelsa*, 19.V.1983, leg. Risto Murto (1399, H).
- Caloplaca stillicidiorum* (Vahl) Lynge — **40** (Kırşehir): Karagasekmek Dağı W of Kırşehir. 39°16'N 34°04'E. 1350 m. Siliceous rocks near Kurtbeliyeniyapan. 8.VII.2001, leg. et det. V. John (Nr. 14166, M); **66** (Yozgat): open hills with cliffs NE of Dedefakılı, N of Doğan kent. 39°43'N 35°26'E. Alt. 1200 m. Over mosses on siliceous rock. 30.VII.2002, leg. et det. V. John (Nr. 13207, M).
- Candelariella lutella* (Vain.) Räsänen — **16** (Bursa): Uludağ, S slope, by the main road, ca. 10 km from Bursa. *Pinus brutia* - *Castanea sativa* - *Quercus* forest. Alt. 780-800 m, On *Pyrus*, 21.V.1983, leg. Risto Murto (1508, H).
- Catapyrenium daedaleum* (Kremp.) Stein — **29** (Gümüşhane): Rock peak east of Zigana Geçidi. 40°37'54''N 39°25'57''E. 2350 m. Siliceous rocks. 2.VIII.1997, leg. et det. V. John (Nr. 13367, M).
- Catillaria nigroclavata* (Nyl.) J.Steiner — **48** (Muğla): Between Milas and Muğla, by the main road, Tuzabat. *Pinus brutia* forest with locally abundant macchie shrubs; intensively pastured grassland at roadside. Alt. 470 - 500 m. On *Quercus ilex*, 17.V.1983, leg. Risto Murto (1368, H).
- Cetraria steppae* (Savicz) Kärnefelt — **66** (Yozgat): open hills with cliffs NE of Dedefakılı, N of Doğan kent. 39°43'N 35°26'E. Alt. 1200 m. On the ground. 30.VII.2002, leg. et det. V. John (Nr. 13198, M).
- Cladonia caespiticia* (Pers.) Flörke — **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'N, 31°01'E. Alt. 165 m. Slope with *Fagus orientalis*-forest. On the ground. 27.III.2010, leg. et det. V. John (Nr. 12208, M).
- Cladonia furcata* (Huds.) Schrad. — **66** (Yozgat): Pass over Kızıl Dağı between Üçağaç and Bulgurlu, S of Kadışehri. 39°53'N 35°49'E. Alt. 1200 m. On N-exposed siliceous rock. 30.VII.2002, leg. et det. V. John (Nr. 13313, M).
- Cladonia humilis* (With.) J.R.Laundon — **48** (Muğla): Marmaris, ca. 4 E of Marmaris. Brookside with temporarily inundated *Liquidambar orientalis* forest. Alt. ca sea level, On *Liquidambar orientalis*, 18.V.1983, leg. Risto Murto (1381, H), det. T. Ahti 2002.
- Clauzadea monticola* (Ach.) Hafellner & Bellem. — **61** (Trabzon): S of Uzungöl, N-slope in forest near road to Soğanlı geçidi. 40°35'51''N 40°18'29''E. Alt. 1750 m. On rocks. 26.VII.1997, leg. et det. V. John (Nr. 14146, M).
- Collema nigrescens* (Huds.) DC. — **35** (İzmir): SW part of İzmir, c. 6 km SW of Agamemnon. On olive tree. 3.IV.1970, leg. Mikko Raatikainen (H).
- Dendrographa decolorans* (Sm.) Ertz & Tehler — **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'N, 31°01'E. Alt. 165 m. Slope with *Fagus orientalis*-forest. On bark of *Fagus orientalis*. 27.III.2010, leg. et det. V. John (Nr. 12207, M).

- Diarthonis spadicea* (Leight.) Frisch, Ertz, Coppins & P.F.Cannon — **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'N, 31°01'E. Alt. 165 m. Slope with *Fagus orientalis*-forest. On bark of *Fagus orientalis*. 27.III.2010, leg. et det. V. John (Nr. 12201, M).
- Diplotomma alboatrum* (Hoffm.) Flot. — **43** (Kütahya): Afyon – Kütahya, 32 km from Kütahya. Open *Juniperus* – *Quercus* woodland. Alt. 1200 m, On branches of *Juniperus excelsa*, 19.V.1983, leg. Risto Murto (1400, H).
- Endocarpon adscendens* (Anzi) Müll.Arg. — **09** (Aydın): S shore of Bafa Gölü. Dry woodland slope. Alt. c. 40 m, 28.VII.1981, leg. Arto Kurtto (3387, H).
- **Endococcus perpusillus* Nyl. — **66** (Yozgat): Mountains S Yozgat, near University. 39°46'N 34°48'E. Alt. 1380 m. On siliceous rocks. In the thallus of *Rhizocarpon geographicum*. 17.VII.2001, leg. et det. V. John (Nr. 13257, M).
- Enterographa zonata* (Körb.) Torrente & Egea — **61** (Trabzon): S of Uzungöl, N-slope in forest near road to Soğanlı geçidi. 40°35'51''N 40°18'29''E. Alt. 1750 m. On rocks. 26.VII.1997, leg. et det. V. John (Nr. 14143, M).
- Evernia prunastri* (L.) Ach. — **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'39''N, 31°02'54''E. Alt. 350 m. Hills with *Corylus*-plantations. On *Corylus maxima* branches. 27.III.2010, V. John.
- Fuscidea stiriaca* (A.Massal.) Hafellner — **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'N, 31°01'E. Alt. 165 m. Slope with *Fagus orientalis*-forest. On bark of *Fagus orientalis*. 27.III.2010, leg. et det. V. John (Nr. 12202, M).
- Gyalolechia flavorubescens* (Huds.) Söchting, Frödén & Arup — **43** (Kütahya): Afyon – Kütahya, 32 km from Kütahya. Open *Juniperus* – *Quercus* woodland. Alt. 1200 m, On branches of *Juniperus excelsa*, 19.V.1983, leg. Risto Murto (1399, H).
- Gyalolechia subbracteata* (Nyl.) Söchting, Frödén & Arup — **20** (Denizli): W-exponierte Felsen an der Nordflanke des Honazdağ, oberhalb Honazköy. 37°42'N 29°17'E. Alt. 1600 m. Auf Moosen über Kalkgestein. 13.III.1982, leg. et det. V. John (Nr. 3.746, M).
- Heterodermia japonica* (Sato) Swinscow & Krog — **14** (Bolu): Yedigöller National Park. *Abies-Fagus* forest in bottom of the valley in surroundings of the lakes. Alt. ca. 800 m, On fallen *Fagus orientalis*, 23.V.1983, leg. Risto Murto (1650, H).
- Heterodermia obscurata* (Nyl.) Trevis. — **28** (Giresun): Çal Dağı S of Giresun, Kulakaya Yaylası, 40°41'N 38°20'E. Alt. 1550 m. On *Picea orientalis* in light forest. 1.VII.2004. leg. et det. V. John (Nr. 11221, M).
- Hyperphyscia adglutinata* (Flörke) H.Mayrhofer & Poelt — **41** (Kocaeli): İzmit, on the road to Sapanca, c. 20 km E of İzmit, Maşkuye. Planted poplar forest. 20.VII.1981, leg. Pertti Uotila (30279°, H); **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'39''N, 31°02'54''E. Alt. 350 m. Hills with *Corylus*- plantations. On *Corylus maxima* branches. 27.III.2010, leg. et det. V. John (Nr. 13083, M).
- Hypogymnia bitteri* (Lyngé) Ahti — **29** (Gümüşhane): Rock peak east of Zigana Geçidi. 40°37'54''N 39°25'57''E. 2350 m. Siliceous rocks. 2.VIII.1997, leg. et det. V. John (Nr. 13362, M).
- Immersaria athrocarpa* (Ach.) Rambold & Pietschm. — **66** (Yozgat): Pass over Kızıl Dağı between Üçağaç and Bulgurlu, S of Kadişehri. 39°53'N 35°49'E. Alt. 1200 m. On N-exposed siliceous rock. 30.VII.2002, leg. et det. V. John (Nr. 13320, M).
- Kuettlingeria soralifera* (Vondrák & Hrouzek) I.V.Frolov, Vondrák & Arup — **66** (Yozgat): Mountains S Yozgat, near University. 39°46'N 34°48'E. Alt. 1380 m. On siliceous rocks. 17.VII.2001, leg. et det. V. John (Nr. 13264, M).
- Lecanactis abietina* (Ach.) Körb. — **61** (Trabzon): South of Maçka, road to Sumela. 40°41'N, 39°39'E, on *Abies cilicicus*. 17.VIII.1988, V. John.

- Lecania naegelii* (Hepp) Diederich & P.Boom — **43** (Kütahya): Afyon – Kütahya, 32 km from Kütahya. Open *Juniperus* – *Quercus* woodland. Alt. 1200 m, On branches of *Juniperus excelsa*, 19.V.1983, leg. Risto Murto (1402, H).
- Lecanora albella* (Pers.) Ach. — **48** (Muğla): Marmaris, ca. 4 E of Marmaris. Brookside with temporarily inundated *Liquidambar orientalis* forest. Alt. ca sea level, On *Liquidambar orientalis*, 18.V.1983, leg. Risto Murto (1381, H).
- Lecanora argopholis* (Ach.) Ach. — **66** (Yozgat): open hills with cliffs NE of Dedefakılı, N of Doğan kent. 39°43'N 35°26'E. Alt. 1200 m. On siliceous rock. 30.VII.2002, leg. et det. V. John (Nr. 13210, M).
- Lecanora bicincta* Ramond — **29** (Gümüşhane): Rock peak east of Zigana Geçidi. 40°37'54''N 39°25'57''E. 2350 m. Siliceous rocks. 2.VIII.1997, leg. et det. V. John (Nr. 13351, M); **40** (Kırşehir): Karagasekmek Dağı W of Kırşehir. 39°16'N 34°04'E. 1350 m. Siliceous rocks near Kurtbeliyeniyapan. 8.VII.2001, leg. et det. V. John (Nr. 14167, M).
- Lecanora cenisia* Ach. — **40** (Kırşehir): Karagasekmek Dağı W of Kırşehir. 39°16'N 34°04'E. 1350 m. Siliceous rocks near Kurtbeliyeniyapan. 8.VII.2001, leg. et det. V. John (Nr. 14168, M).
- Lecanora compallens* Herk & Aptroot — **45** (Manisa): Çaldağ N of Turgutlu. SE exposed slope with *Pinus brutia* forest. 36°37'N, 27°48'E, Alt. 700 m. On *Pinus brutia*, 23.V.1995, leg et det. V. John (Nr. 11768, M).
- Lecanora glabrata* (Ach.) Malme — **43** (Kütahya): Afyon – Kütahya, 32 km from Kütahya. Open *Juniperus* – *Quercus* woodland. Alt. 1200 m, On branches of *Juniperus excelsa*, 19.V.1983, leg. Risto Murto (1399, H).
- Lecanora pannonica* Szatala — **66** (Yozgat): Pass over Kızıl Dağı between Üçağaç and Bulgurlu, S of Kadişehri. 39°53'N 35°49'E. Alt. 1200 m. On N-exposed siliceous rock. 30.VII.2002, leg. et det. V. John (Nr. 13473, M).
- Lecanora polytropa* (Hoffm.) Rabenh. — **40** (Kırşehir): Karagasekmek Dağı W of Kırşehir. 39°16'N 34°04'E. 1350 m. Siliceous rocks near Kurtbeliyeniyapan. 8.VII.2001, leg. et det. V. John (Nr. 14180, M).
- Lecanora subrugosa* Nyl. — **34** (İstanbul): Beograd forest ca. 25 km N of Istanbul, slopes with *Quercus* and *Fagus* forests. Alt. ca. 200 m, On trunk of *Quercus*, 10.IV.1972, leg Pertti Uotila (15392, H).
- Lecidea nylanderii* (Anzi) Th.Fr. — **61** (Trabzon): S of Uzungöl, N-slope in forest near road to Soğanlı geçidi. 40°35'51''N 40°18'29''E. Alt. 1750 m. On *Picea orientalis*. 26.VII.1997, leg. et det. V. John (Nr. 14147, M).
- Lecidella achrivotera* (Nyl.) Hertel & Leuckert — **14** (Bolu): ca. 15 km W of Bolu on the road E 5 to Ankara, near Koru Motel. Moist meadows at a rivulet, near a forest of *Abies*, *Corylus*, *Alnus*, etc. Alt. 850 m, On *Quercus* 12.IV.1972, leg. Pertti Uotila (15572, H); **45** (Manisa): c. 4 km W of Turgutlu, on fruit tree. 28.III.1970, leg. Mikko Raatikainen (H); **48** (Muğla): Between Milas and Muğla, by the main road, Tuzabat. *Pinus brutia* forest with locally abundant macchie shrubs; intensively pastured grassland at roadside. Alt. 470 - 500 m. On *Quercus ilex*, 17.V.1983, leg. Risto Murto (1368, H); **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'39''N, 31°02'54''E. Alt. 350 m. Hills with *Corylus*-plantations. On *Corylus maxima* branches. 27.III.2010, leg. et det. V. John (Nr. 13084, M).
- Lecidella elaeochroma* (Ach.) M.Choisy — **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'39''N, 31°02'54''E. Alt. 350 m. Hills with *Corylus*-plantations. On *Juglans nigra* branches. 27.III.2010, leg. et det. V. John (Nr. 13086, M).
- Lepra amara* (Ach.) Hafellner — **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'N, 31°01'E. Alt. 165 m. Slope with *Fagus orientalis*-forest. On bark of *Fagus orientalis*. 27.III.2010, leg. et det. V. John (Nr. 12197, M).
- Lepraria alpina* (B. de Lesd.) Tretiach & Baruffo — **29** (Gümüşhane): Rock peak east of Zigana Geçidi. 40°37'54''N 39°25'57''E. 2350 m. Siliceous rocks. 2.VIII.1997, leg. et det. V. John (Nr.

- 13353, M); **68** (Aksaray): Top of Hasandağ S of Aksaray. 38°07'N 34°10'E. Alt. 3300 m. On siliceous rocks. 12.VII.2001, leg. et det. V. John (Nr. 13957, M).
- Leptochidium albociliatum* (Desm.) M.Choisy — **35** (İzmir): N side of İzmir, Yamanlar Mountains. 6.IV.1970, leg. Mikko Raatikainen (H); **66** (Yozgat): Pass over Kızıl Dağı between Üçağaç and Bulgurlu, S of Kadışehri. 39°53'N 35°49'E. Alt. 1200 m. On N-exposed siliceous rock. 30.VII.2002, leg. et det. V. John (Nr. 13315, M).
- Leptogium brebissonii* Mont. — **45** (Manisa): mountain S of Sarıgöl, on shrub. 8.IV.1970, leg. Mikko Raatikainen (H).
- Leptogium cyanescens* (Rabenh.) Körb. — **81** (Düzce): Boludağı Pass on the road E 5 to Ankara, ca. 20 km E of Düzce. *Rhododendron-Fagus* forest on the northern fairly steep slope. Alt. 650 m, 12.IV.1972, leg. Pertti Uotila (15408, H).
- **Lichenostigma cosmopolites* Hafellner & Catal. — **06** (Ankara): Near Gargassemez village ca. 80 km NW of Ankara on the road to İstanbul. Dry, grazed hill side growing scrubby oak. On *Xanthoparmelia stenophylla*. Alt. 1120 m, 29.VIII.1972, leg. Pertti Uotila (19953, H); **35** (İzmir): N side of İzmir, Yamanlar Mountains. On *Xanthoparmelia stenophylla*. 6.IV.1970, leg. Mikko Raatikainen (H); **66** (Yozgat): Pass over Kızıl Dağı between Üçağaç and Bulgurlu, S of Kadışehri. 39°53'N 35°49'E. Alt. 1200 m. On *Xanthoparmelia* over N-exposed siliceous rock. 30.VII.2002, leg. et det. V. John (Nr. 13321, M).
- Lobarina scrobiculata* (Scop.) Nyl. ex Cromb. — **14** (Bolu): Yedigöller National Park. *Abies-Fagus* forest in bottom of the valley in surroundings of the lakes. Alt. ca. 800 m, On fallen *Fagus orientalis*, 23.V.1983, leg. Risto Murto (1650, H), det. O. Vitikainen.
- Megaspora verrucosa* (Ach.) Arcadia & A.Nordin — **40** (Kırşehir): Karagasekmek Dağı W of Kırşehir. 39°16'N 34°04'E. 1350 m. Siliceous rocks near Kurtbeliyeniyapan. 8.VII.2001, leg. et det. V. John (Nr. 14170, M); **66** (Yozgat): Mountains S Yozgat, near University. 39°46'N 34°48'E. Alt. 1380 m. On siliceous rocks. 17.VII.2001, leg. et det. V. John (Nr. 13251, M).
- Melanelixia glabrata* (Lamy) Sandler & Arup — **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'39''N, 31°02'54''E. Alt. 350 m. Hills with *Corylus*-plantations. On *Corylus maxima* branches. 27.III.2010, V. John.
- Melanelixia subargentifera* (Nyl.) O.Blanco et al. — **66** (Yozgat): North slope of Kızıl Dağı near Üçağaç, S of Kadışehri. 39°54'N 35°47'E. Alt. 980 m. On bark of *Pyrus comunis*. 30.VII.2002, leg. et det. V. John (Nr. 13193, M).
- Melanelixia subaurifera* (Nyl.) O.Blanco et al. — **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'39''N, 31°02'54''E. Alt. 350 m. Hills with *Corylus*-plantations. On *Corylus maxima* branches. 27.III.2010, V. John.
- Melanohalea infumata* (Nyl.) O.Blanco et al. — **20** (Denizli): W-exposed forest at the N-slope of Honazdağ, S of Honazköy. 37°42'N 29°17'E. Alt. 1600 m. On *Pinus nigra*. 13.III.1982, leg. et det. V. John (Nr. 13963, M); **40** (Kırşehir): Karagasekmek Dağı W of Kırşehir. 39°16'N 34°04'E. 1350 m. Siliceous rocks near Kurtbeliyeniyapan. 8.VII.2001, leg. et det. V. John (Nr. 14169, M).
- Melanohalea laciniatula* (Flagey ex H.Olivier) O.Blanco et al. — **16** (Bursa): Uludağ, Bakaçak tepesi, northern slope. 40°08'N, 29°18'E. Alt. 1745 m. On *Abies nordmanniana*. 13.VIII.2002, leg. et det. V. John (Nr. 12564, M).
- Naetrocymbe punctiformis* (Schrank) R.C.Harris — **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'39''N, 31°02'54''E. Alt. 350 m. Hills with *Corylus*-plantations. On *Corylus maxima* branches. 27.III.2010, leg. et det. V. John (Nr. 13087, M).
- Nephroma parile* (Ach.) Ach. — **81** (Düzce): Boludağı Pass on the road E 5 to Ankara, ca. 20 km E of Düzce. *Rhododendron-Fagus* forest on the northern fairly steep slope. Alt. 650 m, 12.IV.1972, leg. Pertti Uotila (15544, H).
- Nephroma tangeriense* (Maheu & A.Gillet) Zahlbr. — **48** (Muğla): Beşparmak Dağ, pass between Narhisar and Çukurköy, 37°28'N, 27°42'E. Alt. 800 m, siliceous rocks of gneiss in *Pinus brutia*-forest, leg. et det. V. John (Nr. 13109, M).

- Nephromopsis laureri* (Kremp.) Kurok. — **61** (Trabzon): S of Uzungöl, N-slope in forest near road to Soğanlı geçidi. 40°35'51''N 40°18'29''E. Alt. 1750 m. On *Picea orientalis*. 26.VII.1997, leg. et det. V. John (Nr. 14148, M).
- Ochrolechia androgyna* (Hoffm.) Arnold — **81** (Düzce): Boludağı Pass on the road E 5 to Ankara, ca. 20 km E of Düzce. *Rhododendron* - *Fagus* forest on the northern fairly steep slope. Alt. 650 m, 12.IV.1972, leg. Pertti Uotila (15543, H).
- Ochrolechia pallescens* (L.) A.Massal. — **11** (Bilecik): ca. 40 km from İnegöl to Bozüyük, Aksutekke, by the main road. Alt. 860 m, on *Quercus*, 20.V.1983, leg. Risto Murto (1441, H).
- Ochrolechia upsaliensis* (L.) A.Massal. — **14** (Bolu): c. 23 km from Bolu to Yedigöller, highest point of the road. Open *Abies nordmanniana* ssp. *bornmuelleriana*-*Fagus* forest with patches of meadow. Alt. ca. 1680 m, On *Fagus orientalis*, 23.V.1983, leg. Risto Murto (1642a, H).
- Parmelia sulcata* Taylor — **66** (Yozgat): Pass over Kızıl Dağı between Üçağaç and Bulgurlu, S of Kadişehri. 39°53'N 35°49'E. Alt. 1200 m. On N-exposed siliceous rock. 30.VII.2002, leg. et det. V. John (Nr. 13312, M); **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'39''N, 31°02'54''E. Alt. 350 m. Hills with *Corylus*-plantations. On *Corylus maxima* branches. 27.III.2010, V. John.
- Parmotrema stuppeum* (Tayl.) Hale — **34** (İstanbul): Beograd forest ca. 25 km N of Istanbul, slopes with *Quercus* and *Fagus* forests. Alt. ca. 200 m, On trunk of *Quercus*, 10.IV.1972, leg. Pertti Uotila (14836, H).
- Peltigera collina* (Ach.) Schrad. — **11** (Bilecik): ca. 40 km from İnegöl to Bozüyük, Aksutekke, by the main road. Alt. 860 m, on *Quercus*, 20.V.1983, leg. Risto Murto (1448, H). det. O. Vitikainen 2001.
- Peltigera elisabethae* Gyeln. — **16** (Bursa): Uludağ, Bakaçak tepesi, northern slope. 40°08'N, 29°18'E. Alt. 1745 m. On *Abies nordmanniana*. 13.VIII.2002, leg. et det. V. John (Nr. 12566, M).
- Peltigera leucophlebia* (Nyl.) Gyeln. — **14** (Bolu): Yedigöller National Park. *Abies*-*Fagus* forest in bottom of the valley in surroundings of the lakes. Alt. ca. 800 m, On the ground, 23.V.1983, leg. Risto Murto (1648a, H), det. O. Vitikainen.
- Pertusaria hymenea* (Ach.) Schaer. — **35** (İzmir): SW part of İzmir, c. 6 km SW of Agamemnon. On oak. 3.IV.1970, leg. Mikko Raatikainen (H); **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'N, 31°01'E. Alt. 165 m. Slope with *Fagus orientalis*-forest. On bark of *Fagus orientalis*. 27.III.2010, leg. et det. V. John (Nr. 12199, M).
- Pertusaria leioplaca* DC. — **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'N, 31°01'E. Alt. 165 m. Slope with *Fagus orientalis*-forest. On bark of *Fagus orientalis*. 27.III.2010, leg. et det. V. John (Nr. 12198, M).
- Phaeophyscia ciliata* (Hoffm.) Moberg — **45** (Manisa): mountain S of Sarıgöl, on shrub. 8.IV.1970, leg. Mikko Raatikainen (H).
- Phaeophyscia endophoenicea* (Harm.) Moberg — **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'N, 31°01'E. Alt. 165 m. Slope with *Fagus orientalis*-forest. On bark of *Fagus orientalis*. 27.III.2010, leg. et det. V. John (Nr. 12194, M).
- Phaeophyscia nigricans* (Flörke) Moberg — **66** (Yozgat): Pass over Kızıl Dağı between Üçağaç and Bulgurlu, S of Kadişehri. 39°53'N 35°49'E. Alt. 1200 m. On N-exposed siliceous rock. 30.VII.2002, leg. et det. V. John (Nr. 13322, M).
- Phaeophyscia poeltii* (Frey) Nimis — **35** (İzmir): c. 10 km E of Bornova, Kemalpaşa. On olive tree, 28.III.1970, leg. Mikko Raatikainen (H).
- Phaeophyscia pusilloides* (Zahlbr.) Essl. — **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'39''N, 31°02'54''E. Alt. 350 m. Hills with *Corylus*-plantations. On *Corylus maxima* branches. 27.III.2010, leg. et det. V. John (Nr. 13085, M).
- Phlyctis agelaea* (Ach.) Flotow — **14** (Bolu): Bolu, Koru Motel, mixed forest with *Fagus* and *Abies*, on a gentle slope facing approximately to north. Alt. 860 m On trunk of *Populus tremula*, 30.VIII.1972, leg. Mauri Korhonen (1203c, H); **48** (Muğla): Marmaris, ca. 4 E of Marmaris.

- Brookside with temporarily inundated *Liquidambar orientalis* forest. Alt. ca sea level, On *Liquidambar orientalis*, 18.V.1983, leg. Risto Murto (1381, H).
- Phlyctis argena*** (Sprengel) Flot. — **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'39"N, 31°02'54"E. Alt. 350 m. Hills with *Corylus*-plantations. On *Corylus maxima* branches. 27.III.2010, V. John.
- Physcia aipolia*** (Ehrh. ex Humb.) Hampe — **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'39"N, 31°02'54"E. Alt. 350 m. Hills with *Corylus*-plantations. On *Corylus maxima* branches. 27.III.2010, V. John.
- Physcia albinea*** (Ach.) Nyl. — **06** (Ankara): At the border of Bolu and Ankara, ca. 115 km NW of Ankara on the road E 5, meadow at a rivulet in *Pinus* forest. On margin of hard stone. Alt. 1390 m, 12.IV.1972, leg. Pertti Uotila (15588, H).
- Physcia biziana*** (A.Massal.) Zahlbr. — **22** (Edirne): Keşan, ca. 10 km W of road crossing to Çanakkale on E 5 S., roadside meadows. On trunk of solitary *Malus* tree. 8.IV.1972, leg. Pertti Uotila (15382, H).
- Physcia caesia*** (Hoffm.) Fűrnr. — **66** (Yozgat): North slope of Kızıl Dağı near Üçağaç, S of Kadişehri. 39°54'N 35°47'E. Alt. 980 m. On bark of *Pyrus comunis*. 30.VII.2002, leg. et det. V. John (Nr. 13193, M).
- Physcia dimidiata*** (Arnold) Nyl. — **66** (Yozgat): Mountains S Yozgat, near University. 39°46'N 34°48'E. Alt. 1380 m. On siliceous rocks. 17.VII.2001, leg. et det. V. John (Nr. 13261, M).
- Physcia tenella*** (Scop.) DC. — **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'39"N, 31°02'54"E. Alt. 350 m. Hills with *Corylus*-plantations. On *Corylus maxima* branches. 27.III.2010, V. John.
- Polycauliona ucrainica*** (S.Y.Kondr.) Frödén, Arup & Söchting — **14** (Bolu): Aladağ Mountains, Kartalkaya c. 50 km SE of the town of Bolu, mountain grassland. Alt. 2100 m, On *Pinus sylvestris*, 15.IX.1986, leg. Pertti Uotila (35617, H).
- Polychidium muscicola*** (Sw.) Gray — **35** (Izmir): N side of Izmir, Yamanlar Mountains. 6.IV.1970, leg. Mikko Raatikainen (H).
- Polyozosia persimilis*** (Th.Fr.) S.Y.Kondr., Lökös & Farkas — **14** (Bolu): Bolu, Koru Motel. Gently sloping, S facing meadow and wet ditchside. Alt. 650 m, On trunk of *Populus tremula*, 30.VIII.1972, leg. Pertti Uotila (20144, H); **43** (Kütahya): Afyon – Kütahya, 32 km from Kütahya. Open *Juniperus* – *Quercus* woodland. Alt. 1200 m, On branches of *Juniperus excelsa*, 19.V.1983, leg. Risto Murto (1400, H); **45** (Manisa): c. 4 km W of Turgutlu, on fruit tree. 28.III.1970, leg. Mikko Raatikainen (H).
- Porpidia crustulata*** (Ach.) Hertel & Knoph — **06** (Ankara): Akyarma, ca 120 km NW of Ankara on the road to Istanbul, rocky *Pinus* forest on a gentle slope. On the ground and rocks. Alt. 1560 m, 29.VIII.1972, leg. Pertti Uotila (14772, H).
- Porpidia rugosa*** (Taylor) Coppins & Fryday — **61** (Trabzon): S of Uzungöl, N-slope in forest near road to Soğanlı geçidi. 40°35'51"N 40°18'29"E. Alt. 1750 m. On rocks. 26.VII.1997, leg. et det. V. John (Nr. 14145, M).
- Protoparmelia badia*** (Hoffm.) Hafellner — **40** (Kırşehir): Karagasekmek Dağı W of Kırşehir. 39°16'N 34°04'E. 1350 m. Siliceous rocks near Kurtbeliyeniyapan. 8.VII.2001, leg. et det. V. John (Nr. 14171, M).
- Protoparmeliopsis bolcana*** (Pollini) Lumbsch — **40** (Kırşehir): Karagasekmek Dağı W of Kırşehir. 39°16'N 34°04'E. 1350 m. Siliceous rocks near Kurtbeliyeniyapan. 8.VII.2001, leg. et det. V. John (Nr. 14172, M).
- Protoparmeliopsis laatokkaensis*** (Räsänen) Moberg & R.Sant. — **66** (Yozgat): 90 km E of Yozgat, W of Olugozü, grazed grassland on roadside. Alt. 1240 m, On stone. 15. IV.1972, leg. Pertti Uotila 15599, H).

- Pseudosagedia aenea* (Wallr.) Hafellner & Kalb — **48** (Muğla): Marmaris, ca. 4 E of Marmaris. Brookside with temporarily inundated *Liquidambar orientalis* forest. Alt. ca sea level, On *Liquidambar orientalis*, 18.V.1983, leg. Risto Murto (1380b, H).
- Punctelia subrudecta* (Nyl.) Krog — **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'39''N, 31°02'54''E. Alt. 350 m. Hills with *Corylus*-plantations. On *Corylus maxima* branches. 27.III.2010, V. John.
- Pyrrhospora querneae* (Dicks.) Körb. — **66** (Yozgat): Büyüknalbant Dağı, mountain SW Bozhüyük. 39°34'N 36°01'E. Alt. 2000 m. On *Pinus brutia*. 16.VII.2001, leg. et det. V. John (Nr. 13310, M).
- Ramalina capitata* (Ach.) Nyl. — **04** (Ağrı): 30 km W of Doğubayazıt. Open grazed steppe. Alt. 1880 m, 18.IV.1972, leg. Pertti Uotila (15636, H); **66** (Yozgat): Mountains S Yozgat, near University. 39°46'N 34°48'E. Alt. 1380 m. On siliceous rocks. 17.VII.2001, leg. et det. V. John (Nr. 13246, M).
- Ramalina obtusata* (Arnold) Bitter — **14** (Bolu): c. 20 km from Bolu to Yedigöller. *Abies nordmanniana* subsp. *bornmuelleriana* - *Fagus* forest on steep slope. Alt. 1400 m, on *Abies nordmanniana* subsp. *bornmuelleriana*. 23.V.1983, leg. Risto Murto (2065c, H).
- Ramalina roesleri* (Hochst. ex Schaer.) Hue — **66** (Yozgat): Mountains S Yozgat, near University. 39°46'N 34°48'E. Alt. 1380 m. On siliceous rocks. 17.VII.2001, leg. et det. V. John (Nr. 13250, M).
- Rhizocarpon petraeum* (Wulfen) A.Massal. — **29** (Gümüşhane): 10 km N of Torul village on the road to Trabzon, S of Zigana Dağı Pass. Mixed wood on the steep slope, with *Picea*, *Pinus*, *Carpinus*, *Quercus*, etc. Alt. 1370 m, 22.VIII.1972, leg. Pertti Uotila (19624, 19625, H).
- Rhizocarpon reductum* Th.Fr. — **29** (Gümüşhane): Rock peak east of Zigana Geçidi. 40°37'54''N 39°25'57''E. 2350 m. Siliceous rocks. 2.VIII.1997, leg. et det. V. John (Nr. 13380, M).
- Rinodina colobina* (Ach.) Th.Fr. — **45** (Manisa): Çaldağ N of Turgutlu. N side in a field. 36°38'N, 27°48'E, Alt. 800 m. On a very old *Prunus mahaleb* L., 23.V.1995, leg. et det. V. John (Nr. 11733, M).
- Rinodina exigua* (Ach.) Gray — **48** (Muğla): Between Milas and Muğla, by the main road, Tuzabat. *Pinus brutia* forest with locally abundant macchie shrubs; intensively pastured grassland at roadside. Alt. 470 - 500 m. On *Pinus brutia*, 17.V.1983, leg. Risto Murto (1367, H).
- Rinodina mniaraea* (Ach.) Körb. — **29** (Gümüşhane): Rock peak east of Zigana Geçidi. 40°37'54''N 39°25'57''E. 2350 m. On mosses over siliceous rocks. 2.VIII.1997, leg. et det. V. John (Nr. 13383, M).
- Rinodina parasitica* H.Mayrhofer & Poelt — **06** (Ankara): Near Gargassemez village ca. 80 km NW of Ankara on the road to İstanbul. Dry, grazed hill side growing scrubby oak. Alt. 1120 m, 29.VIII.1972, leg. Pertti Uotila (19959, H).
- Rinodina pyrina* (Ach.) Arnold — **14** (Bolu): c. 11 km from Göynük to Bolu, c. 1 km from the highest point of the road (Haçıayaz Geç.) to Göynük, by the main road. Meadow patch along small brook on slope facing SE. Alt. 1060 m On dead twigs of solitary *Prunus*, 23.V.1990, leg. Pertti Uotila (38056, H).
- Rinodina rinodinoides* (Anzi) H.Mayrhofer & Scheid. — **66** (Yozgat): Pass over Kızıl Dağı between Üçağaç and Bulgurlu, S of Kadışehri. 39°53'N 35°49'E. Alt. 1200 m. On N-exposed siliceous rock. 30.VII.2002, leg. et det. V. John (Nr. 13319, M).
- Rufoplaca oxfordensis* (Pers.) Arup, Söchting & Frödén — **35** (İzmir): c. 10 km E of Bornova, Kemalpaşa. 28.III.1970, leg. Mikko Raatikainen (H).
- Scytinium plicatile* (Ach.) Otálora, P.M.Jørg. & Wedin — **35** (İzmir): Teos. 3.IV.1970, leg. Mikko Raatikainen (H).
- Scytinium schraderi* (Bernh.) Otálora, P.M.Jørg. & Wedin — **29** (Gümüşhane): Rock peak east of Zigana Geçidi. 40°37'54''N 39°25'57''E. 2350 m. Siliceous rocks. 2.VIII.1997, leg. et det. V. John (Nr. 13365, M); **35** (İzmir): Teos. 3.IV.1970, leg. Mikko Raatikainen (H).

- Scytinium teretiusculum* (Wallr.) Otálora, P.M.Jørg. & Wedin — **35** (Izmir): Teos. 3.IV.1970, leg. Mikko Raatikainen (H).
- Sticta fuliginosa* (Hoffm.) Ach. — **81** (Düzce): Boludağı Pass on the road E 5 to Ankara, ca. 20 km E of Düzce. *Rhododendron-Fagus* forest on the northern fairly steep slope. Alt. 650 m, 12.IV.1972, leg. Pertti Uotila (15546, H).
- Strigula affinis* (A.Massal.) R.C.Harris — **61** (Trabzon): South of Maçka, road to Sumela. 40°41'N, 39°39'E, Alt. 1400 m, on *Abies cilicicus*. 17.VIII.1988, leg. et det. V. John (Nr. 13089, M).
- Toninia populorum* (A. Massal.) Kistenich, Timdal, Bendiksby & S.Ekman — **16** (Bursa): Pedunculate oak grove next to the Faculty of Agriculture in the Görükle campus of Bursa Uludağ University, 120 m., 40°13'29"N-28°51'39"E, 27.XII.2023, leg. et det. Ş. Güvenç.
- Trapeliopsis granulosa* (Hoffm.) Lumbsch — **81** (Düzce): Westernmost part of Akçakoca Dağları, near Yenice. 41°01'39"N, 31°02'54"E. Alt. 350 m. Hills with *Corylus*-plantations. On wooden pole. 27.III.2010, V. John.
- Umbilicaria crustulosa* (Ach.) Lamy — **14** (Bolu): Aladağ Mountains, Kartalkaya c. 50 km SE of the town of Bolu, mountain grassland. Alt. 2100 m, On large boulder, 15.IX.1986, leg. Pertti Uotila (35613, H).
- Usnea intermedia* (A.Massal.) Jatta — **06** (Ankara): At the border of Bolu and Ankara, ca. 115 km NW of Ankara on the road E 5, meadow at a rivulet in *Pinus* forest. On trunk of *Pinus sylvestris*. Alt. 1390 m, 12.IV.1972, leg. Pertti Uotila (1558, H).
- Verrucaria macrostoma* Dufour ex DC. — **09** (Aydın): S shore of Bafa Gölü. Dry woodland slope. Alt. c. 40 m, 28.VII.1981, leg. Arto Kurtto (3387, H).
- Verrucaria muralis* Ach. — **09** (Aydın): 3 km SW of Ortaklar, road to Söke. 30.III.1970, leg. Mikko Raatikainen (H).
- Verrucaria sphaerospora* Anzi — **66** (Yozgat): Mountains S Yozgat, near University. 39°46'N 34°48'E. Alt. 1380 m. On siliceous rocks. 17.VII.2001, leg. et det. V. John (Nr. 13241, M).
- Xanthomendoza fulva* (Hoffm.) Söchting, Kärnefelt & S.Kondr. — **20** (Denizli): Cankurtaran village. Arable land in the village, by roadside. Alt. 1150 m, On *Robinia pseudacacia*, 26.VII.1981, leg. Kristiina Hormia (640, H).
- Xanthomendoza ulophyllodes* (Räsänen) Söchting, Kärnefelt & S.Y. Kondr. — **66** (Yozgat): North slope of Kızıl Dağı near Üçağaç, S of Kadişehri. 39°54'N 35°47'E. Alt. 980 m. On bark of *Pyrus communis*. 30.VII.2002, leg. et det. V. John (Nr. 13191, M).
- Xanthoparmelia perrugata* (Nyl.) O.Blanco et al. — **06** (Ankara): Near Gargassemez village ca. 80 km NW of Ankara on the road to İstanbul. Dry, grazed hill side growing scrubby oak. Alt. 1120 m, 29.VIII.1972, leg. Pertti Uotila (19950, H); **35** (Izmir): N side of Izmir, Yamanlar Mountains. 6.IV.1970, leg. Mikko Raatikainen (H); **66** (Yozgat): 90 km E of Yozgat, W of Olugozü, grazed grassland on roadside. Alt. 1240 m, On stone. 15. IV.1972, leg. Pertti Uotila 15595, H).
- Xanthoparmelia ryssolea* (Ach.) O.Blanco et al. — **66** (Yozgat): open hills with cliffs NE of Dedefakılı, N of Doğan kent. 39°43'N 35°26'E. Alt. 1200 m. On the ground. 30.VII.2002, leg. et det. V. John (Nr. 13208, M).

4. New synonyms

Nomenclatural and taxonomic novelties with respect to JOHN & TÜRK (2017) and JOHN et al. (2020) are listed below.

- Aspiciliella cupreoglauca* (B.de Lesd.) Zakeri, Divakar & Otte
Aspiciliella intermutans (Nyl.) M.Choisy
Athallia inconnexa (Nyl.) S.Y.Kondr. & Lökös
Bryostigma lapidicola (Taylor) S.Y.Kondr. & Hur

Coppinsiella ulcerosa (Coppins & P.James) S.Y.Kondr. & Lökös
Diarthonis spadicea (Leight.) Frisch, Ertz, Coppins & P.F.Cannon
Erichsenia epithallina (Lyngé) S.Y.Kondr., Kärnefelt & A.Thell
Huneckia pollinii (A. Massal.) S.Y.Kondr., Kärnefelt, Elix, A.Thell, Jung Kim, A.S.Kondr. & Hur
Kuettlingeria albolutescens (Nyl.) I.V.Frolov, Vondrák & Arup
Kuettlingeria soralifera (Vondrák & Hrouzek) I.V.Frolov, Vondrák & Arup
Mischoblastia lecanorina A.Massal.
Naevia dispersa (Schrad.) Thiyagaraja, Lücking & K.D.Hyde
Nephromopsis chlorophylla (Willd.) Divakar, A.Crespo & Lumbsch
Omphalodina chrysoleuca (Sm.) S.Y.Komdr., Lökös & Farkas
Omphalodina pseudistera (Nyl.) S.Y.Komdr., Lökös & Farkas
Pisutiella grimmiae (Nyl.) S.Y.Kondr., Lökös & Farkas
Polyozosia albescens (Hoffm.) S.Y.Kondr., Lökös & Farkas
Polyozosia caesioalba (Flörke) ined.
Polyozosia dispersa (Pers.) S.Y.Kondr., Lökös & Farkas
Polyozosia hagenii (Ach.) S.Y.Kondr., Lökös & Farkas
Polyozosia invadens (H.Magn.) S.Y.Kondr., Lökös & Farkas
Polyozosia prophetae-eliae (Sipman) S.Y.Kondr., Lökös & Farkas
Polyozosia pruinosa (Chaub.) S.Y.Kondr., Lökös & Farkas
Polyozosia semipallida (H.Magn.) S.Y.Kondr., Lökös & Farkas
Sanguineodiscus aractinus (Ach.) I.V.Frolov & Vondrák
Seawardiella lobulata (Flörke) S.Y.Kondr., I.Kärnefelt & A.Thell
Sedelnikovaea subdiscrepans (Nyl.) S.Y.Kondr., Lökös & Farkas
Scythioria phlogina (Ach.) S.Y.Kondr., Kärnefelt, Elix, A.Thell & Hur
Staurothele pulvinatum (Th.Fr.) Heidm.
Umbilicaria pustulata (L.) Hoffm.
Verseghya thysanophora (R.C. Harris) S.Y.Kondr., Lökös, Farkas & Hur
Xanthapychia contortuplicata (Ach.) S.Y.Kondr. & Ravera

5. Discussion

This paper summarizes records of lichenized and lichenicolous fungi published in Turkey between the years 2020-2023 and is a continuation of the study by JOHN et al. (2020) to update the checklist. It also contains original records for Turkey or for one or more provinces. In this study, *Lecanora albula* Nyl. (from Gümüşhane province), *Placynthium flabelliforme* (Tuck.) Zahlbr. (from Trabzon), *Ramalina bourgaeana* Nyl. (from Samsun), *Ramalina elegans* (Bagl. & Carestia) Stizenb. (from Bolu) and *Ramalina tortuosa* Krog & Østh. (from Aksaray) are new records for Turkey. Additionally, a total of 134 species (2 lichenicolous and 132 lichenized) are new to one or more provinces in the original records from a total of 21 provinces. As a result, a total of 797 taxa are listed in this checklist. Of these, 48 species (13 lichenicol and 35 lichenized) are new for Turkey, and 749 taxa (56 lichenicol and 693 lichenized) are new records for one or more provinces. The nomenclature was adapted to a more modern system (PRINTZEN et al. 2022).

The number of registered species from Turkey now is 2060 (1811 lichenized and 249 lichenicolous species). In the years 2020-2023, the most comprehensive studies were carried out in Bingöl (YAZICI & ASLAN 2021, YAZICI et al. 2022), Bitlis (YAZICI et al. 2020b), Muş (YAZICI et al. 2020a), Tunceli (YAZICI & ASLAN 2021, YAZICI & ASLAN 2022) and Van (KARAGÖZ et al. 2022), all these provinces of the eastern Anatolian region of Turkey. With these recent studies, there has been a significant increase in the number of lichenized and lichenicolous fungi records (Tab. 2, Fig. 3) compared to GÜVENÇ et al. (2020) for these provinces.

Among these neighboring provinces, Bingöl and Tunceli are the provinces with the most similar lichen diversity. In the analysis made during the period when lichen diversity was not studied in detail, lichen diversity in the provinces of Bingöl and Tunceli was found to be different (GÜVENÇ et al. 2020). It is seen that the climate, topography, and vegetation of Bingöl and Tunceli provinces are similar. Lichen diversity was found to be similar in the provinces of Bitlis and Muş, which have similar climate, topography, and vegetation. Lichen diversity in Van province is different from these provinces (Fig. 5). These results clearly reveal the importance of detailed floristic lichen studies to be carried out based on provinces in Turkey from now on.

The provinces with the lowest number of registered lichen species in Turkey are Kilis (8), Karaman (11), Şırnak (11), Kırıkkale (21), Diyarbakır (32), Hakkari (33), Batman (35), Siirt (40), Amasya (49), Ağrı (57), Düzce (59), Mardin (61), Kahramanmaraş (65), Kars (65), Yalova (70) and Bartın (72). We believe that it is important to give priority to these provinces in future studies to determine the lichen flora of Turkey.

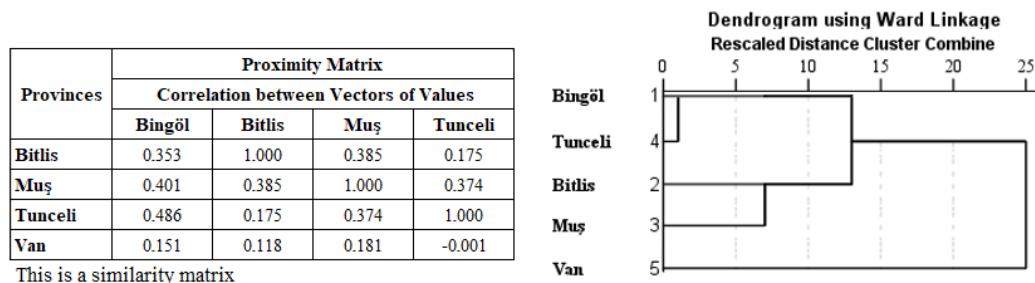


Fig. 6. Comparison of lichen diversity of Bingöl, Bitlis, Muş, Tunceli and Van provinces in Eastern Anatolia of Turkey.

Since the boom of the early 1980s, lichenology has produced just two generations of scientists who have seriously studied lichens. An unofficial association of Turkish lichenologists lasted only sixteen years from 1998 to 2013 (JOHN 2004, TÜRK 2005). In 2011, TLT (Türk Liken Topluluğu) became LIKAD (Liken Araştırmaları Derneği). Nine issues of Türk Liken Topluluğu Bülteni (2005 - 2011) were followed by only two issues of Liken Araştırmaları Derneği Bülteni (2012 - 2013). Harassing requirements from politics and administration have now made proper study of lichens difficult and nearly impossible for foreign researchers even for Turkish scientists. This is clearly expressed in the recent decline of publications dealing with lichens (Fig. 6).

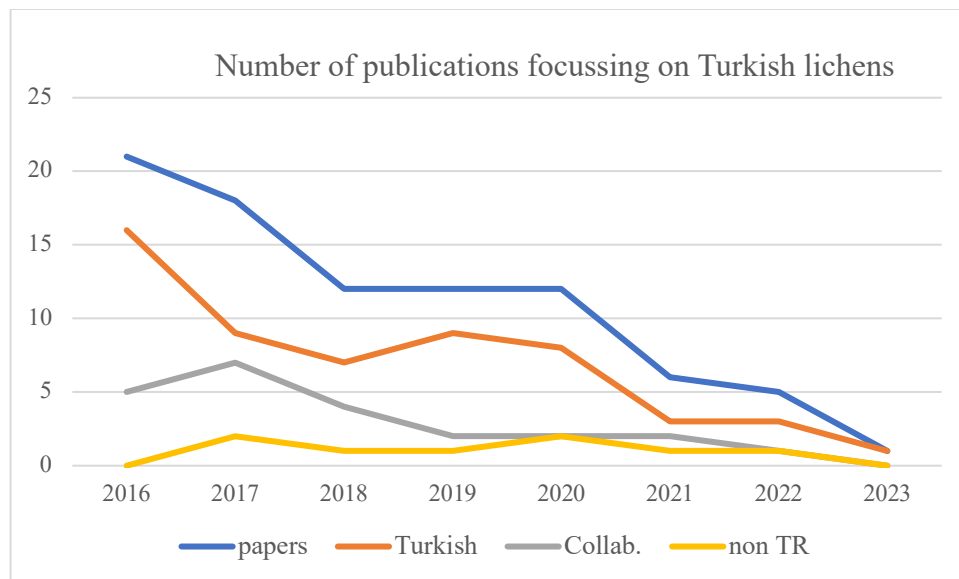


Fig. 7. Dramatic decline in the number of publications focussing on lichens in Turkey.

Against this background, it will be a long time before a satisfactory study of the Turkish lichen biota is achieved. Deficits with only between 101 and 200 species exist in 18 provinces and especially in 17 provinces with only 1 to 100 species, altogether 43,2 % of all provinces. Figures 2 and 3 clearly visualize the deficits. It is to be hoped that soon a new upswing in lichenology in Turkey will start.

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