

# 국가 생물종 목록집

Lichen-forming and lichenicolous fungi of Korea

「지의류」

환경부 국립생물자원관



# 발간사

2010년 제 10차 생물다양성협약 총회에서 생물자원을 활용하여 발생하는 이익을 공유하기 위한 국제적 지침인 나고야 의정서가 채택되었습니다. 이에 따라 생물자원의 이용 및 관리에 대한 국제적 환경이 시시각각으로 변화하고 있습니다. 따라서 생물자원의 국가 간의 이익 공유가 가시화되는 시점에서 미리 준비하여 좋은 위치를 선점하는 것이 매우 중요합니다.

이를 위해서는, 우리의 주권 영역 내에 살고 있는 모든 생물종의 명세를 상세하게 파악하고, 국제적으로 인정받을 수 있는 과학적인 자료를 구축하는 것이 반드시 필요하리라 생각합니다. 다시 말하면 무한한 잠재적 이용가치를 지닌 국가 생물자원에 대한 종목록을 최우선적으로 파악하는 것입니다. 2012년에는 국가차원에서 생물다양성을 체계적으로 보전하고 관리하며 아울러 지속가능한 이용을 도모하기 위한 ‘생물다양성 보전 및 이용에 관한 법률’이 제정되었으며, 2013년부터 시행되고 있습니다. 이 법률은 정부가 국가 생물다양성 전략을 정기적으로 수립하고 국내에서 서식하는 생물종의 학명, 국내 분포 현황 등을 포함한 국가 생물종 목록을 구축하도록 의무화 하고 있습니다. 국립생물자원관에서는 이미 선제적으로 국가 생물종 목록 구축의 중요성과 시급성을 인지하고 2008년부터 국가 생물자원 인벤토리 구축사업을 지속적으로 수행하고 있습니다.

이 사업을 통해 국립생물자원관은 그동안 기존의 자생생물과 새로 연구발굴된 생물종을 재검토하는 연구를 수행하여 왔으며, 그 결과 2011년도에 관속식물 4,338 분류군, 선대류 903 분류군 및 척추동물 1,884 분류군을 대상으로 3권의 ‘국가생물종목록집’을 시범 발간하고, 2012년에는 곤충과 무척추동물을 대상으로 내·외부 전문가들이 참여하여 국가생물종 목록집 5권을 발간한 바가 있습니다.

2013년에 추가로 발간되는 국가생물종목록집 중 ‘지의류’ 분야를 출간함에 따라 한반도에 서식하는 자생 지의류의 존재를 확인하는데 큰 의의가 있으며, 생물자원 연구를 위한 참고 자료와 생물자원의 정보원으로, 그리고 정책수립에 필요한 기초 정보로 널리 활용되길 바라며, 우리나라 생물자원 및 생물다양성 분야 발전에 크게 기여할 수 있길 기대합니다.

그동안 종목록 구축을 위해 노고를 아끼지 않으신 많은 연구자들과 감수를 맡아주신 전문가 분들께 깊은 감사를 드립니다.

2013년 12월  
국립생물자원관장  
이 상 팔



# 차 례 ●●●

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# 서 론

한국산 지의류 최초 기록은 독일의 지의학자 Müller J. (1891)의 *Synechoblastus bicaudatus* Müll. Arg. (= *Collema japonicum* (Müll. Arg.) Hue)로 본다. 그 이후 프랑스 지의학자 Hue에 의해 프랑스 신부 Faurie가 채집한 것을 바탕으로 1909년 *Lecanora oreina* Ach.를 발표한 이래 유럽학자들과 일본의 식물학자들에 의하여 주로 채집·연구하여 발표되었다. 1950년대에 들어서서 한국학자 김성희에 의하여 많은 연구가 진행 되었지만 그의 연구표본은 현재 추적할 수가 없다. 1970년대에는 김성희와 박승태 등에 의해 연구의 맥이 이어지다가 1990년 듀크대에서 한국산 표본 약 4,000점을 바탕으로 엽상지의 중심으로 박윤실에 의하여 발표된 것이 한국 지의연구의 근대적 논문 시초로 본다. 이 논문에서 박윤실은 17과 46속 189분류군을 보고하였는데 1종의 신종을 포함 한국 미기록종 약 90종정도를 보고 하였다. 문광희(1999)는 고착지의, 엽상지의 등을 포함하는 설악산 지의상을 발표하면서 32과 80속 240분류군을 보고하면서 신종 1종을 포함 86종의 미기록종을 보고하였다. 2000년대에 들어서서 외국연구자들과 한국연구자들이 한국산 지의에 관한 연구를 활발히 하고 있다. 대표적으로 2009년(Moon & Aptroot) 한국에서는 처음으로 본격적인 피자기지의에 관한 연구가 진행 되어 6종의 신종을 포함 60종의 미기록종을 보고하였고, 2011년(Schulz & Moon)에는 cynolichen에 관한 연구로 9종의 미기록종 보고 등 여러 연구자들에 의하여 한반도에서 연구가 부진한 분류군 중심으로 다양한 연구결과가 보고되고 있다.

1996년 환경부에서 한국산 지의리스트를 발표하였으나 1990년 발표된 박윤실의 논문은 참고 되지 않았다. 498종을 보고 하였지만 이명처리가 되어 있지 않아 중복된 것을 제외하면 387종이다.

이번 종목록에서는 2012년까지 문헌상으로 보고된 종을 정리하여 180속 788분류군(752종, 10아종, 21변종, 5품종)을 기록하였다.

끝으로 생태학적 논문이나 1990년 이후 종에 관한 증거표본이 기록되지 않은 논문은 제외하였다.

여기에 이명으로 처리 된 것은 한국 지의에 관한 문헌에서 쓰인 것에 한하며, 속명 뒤, 이명 리스트에 ‘?’로 표시된 것은 현재시점에서 소속을 알 수 없는 것이다.

종목록 작성에 많은 도움을 주신 일본 국립과학박물관 Kashiwadani 교수님을 비롯한 여러 연구자들에게 감사사를 표한다.

## Preface

The Korean peninsula is located in the northeastern part of the Asian continent and it has an area of about 220,000 sq. km. Phytogeographically it belongs to the easternmost part of the Sino-Himalayan Region with a typical temperate to subtropical climate (average temperatures ranging between 0°C and 14°C). Rain is concentrated in the summer, and precipitation ranges from about 800 to 1,500 mm/year.

The first study of Korean lichens was made in 1891 by Müller J., a German lichenologist, who reported *Synechoblastus bicaudatus* Müll. Arg. [= *Collema japonicum* (Müll. Arg.) Hue] on the basis of a collection made by Wilford no. 965 collected from Portum Chusan (Port Chusan, Isl. Ulrung, Prov. Gyeongsangbuk). In 1909, Hue, a French lichenologist, reported *Lecanora oreina* Ach. on the basis of a collection made by U. Faurie, a catholic priest. Three crustose lichens were also reported from Hpyengyang (Pyongyang) and Hallasan (Mt. Halla) (Hue, 1914) and another three crustose lichens from Fusan (Pusan), Kangwondo, and Palto (Hue, 1915). Since then Korean lichens have been recorded together with phanerogams in floristic studies by Japanese botanists. From 1957 onwards, S.H. Kim made regional floristic studies of lichens in Korea, but unfortunately no specimens were cited in these reports and it is impossible to confirm the reports. Y.S. Park (1990) made an excellent study of the macrolichens of South Korea (about 4,000 specimens) based on collections from various localities, but she reported no crustose lichens and did not provide details of localities where the specimens were collected. Park's specimens are preserved at DUKE. Moon has studied Korean lichens since 1994 and has reported many macrolichens (eg. 1999), crustose lichens (eg. 2002), and microlichens (eg. 2009 and 2011). About 1,000 specimens collected by Moon before 2005 have been preserved at the TNS, most of which are duplicated and preserved at the NIBR.

Since 1990, many lichen species have been reported from Korea, often with new records for Korean lichen flora, for example Park Y.S. (1990) reported about 90 species including 1 new species, Moon (1999) reported 86 species with 1 new species, and Moon & Aptroot (2009) reported 60 species with 6 new species. Recently new records or new taxa have been added in taxonomic or regional floristic studies.

In 1981, S.H. Kim published "Floral studies on the lichens in Korea", which is the first checklist for Korean lichens. His record was based on the literature and included 52 genera



and 246 taxa. Following him, S.T. Park (1984) listed Korean lichens in 31 genera and 177 taxa. The Korean Central Association of Nature Protection (1996) listed lichens in 496 taxa in “The Inventory of Korean Species”; however, this was only a list of names so far known from Korea. Hur et al. (2005) listed 113 genera and 510 taxa in “A Checklist of Korean Lichens”, which also did not refer to synonyms of each taxa.

In the current checklist, 180 genera and 788 taxa (752 species, 10 subspecies, 21 varieties, and 5 forma) reported before 2012 are presented in bold face. At the end of each genus, synonyms are listed in italics. Synonyms marked with “?” indicate that no adequate name is known at present. The synonym list includes only names found in lichenological literature for Korea. All species names derived from literature published before 1989 are included, but from literature published after 1989 only the names of species accompanied by a specimen are included.

A list of selected literature for Korean lichens is provided; however, publications on ecology, air pollution, and biogeography published after 1990 are excluded.

I wish to express my sincere thanks to Prof. Dr. H. Kashiwadani, National Museum of Nature and Science, Tokyo, for his valuable comments and useful suggestions. Also thanks are due to Ms Chorong An, National Institute of Biological Resources, Incheon, for her generous support in preparing this manuscript.

Kwang Hee Moon



# 지의류 목록[Checklist]

**ACAROSPORA** A. Massal. 바위딱지지의속

**Acarospora fuscata** (Nyl.) Th. Fr. 바위딱지지의

Lich. Scand. (Uppsala) 1: 215. 1871

Kim SH 1981; Ri JD 1988; Moon KH 1998

**Acarospora veronensis** A. Massal.

Ric. auton. lich. crost. (Verona): 29, tab. 48. 1852

Zhang LL et al. 2012

**ACROSCYPHUS** Lév. 계눈지의속

**Acroscyphus sphaerophoroides** Lév. 계눈지의

Ann. Sci. Nat. Bot. sér. 3. 5: 262. 1846

Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

**AGONIMIA** Zahlbr. 날알지의속

**Agonimia koreana** Kashiw. & K.H. Moon 비늘잎날알지의

Lichenes Minus Cogniti Exsiccati, Fascicle 15: no. 351 [1]. 2008

Kashiwadani H 2008; Moon KH & Aptroot A 2009

**Agonimia opuntiella** (Buschardt & Poelt) Vězda 광잎날알지의

Lichenes Rariores Exsiccati 33 (nos 321-330): 4, no. 330. 1997

Moon KH & Aptroot A 2009

**Agonimia pacifica** (H. Harada) Diederich 태평양날알지의

Bibliothca Lichenol. 64: 12. 1997

Moon KH 1998; Moon KH 1999; Moon KH & Aptroot A 2009

**Agonimia tristicula** (Nyl.) Zahlbr. 날알지의

Öst. bot. Z. 5: 351. 1909

Moon KH & Aptroot A 2009

**ALECTORIA** Ach. 가시끈지의속

**Alectoria lata** (Taylor) Linds 영킨가시끈지의

Trans. R. Soc. Edinb. 22: 135. 1859

Ri JD 2000

**Alectoria nigricans** (Ach.) Nyl. 검은가시끈지의

Lich. Scand. (Uppsala): 71. 1861

Ri JD & Hyun JG 1988

**Alectoria ochroleuca** (Hoffm.) A. Massal. 가시끈지의

Sched. critic. 2: 47. 1855

Zahlbruckner's Catalogus; Kim SH 1980; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

*americana* Motyka → *Bryoria trichodes* subsp. *americana*

*asiatica* Du Rietz → *Bryoria asiatica*

*confusa* D.D. Awasthi → *Bryoria confusa*

*jubata* auct. → *Bryoria trichodes*

*nitidula* (Th. Fr.) Vain. → *Bryoria nitidula*

*pubescens* (L.) R. Howe. → *Pseudophebe pubescens*

*sulcata* (Lév.) Nyl. → *Sulcaria sulcata*

*virens* Taylor → *Sulcaria virens*

**ALLOCETRARIA** Kurok. & M.J. Lai 분지영불이끼지의속

**Allocetraria oakesiana** (Tuck.) Randlane & A. Thell 오아케시아나

Flechten Follmann, Contributions to Lichenology in Honour of Gerhard Follmann (Cologne): 363. 1995

*Cetraria oakesiana* Tuck. : Ri JD 1988

**AMANDINEA** De Not. 숲검정혹지의속

**Amandinea punctata** (Hoffm.) Coppins & Scheid.

Lichenologist 25: 343. 1993

*Buellia punctata* (Hoffm.) A. Massal. : Joshi Y et al. 2010b

**ANAPTYCHIA** Körb. 작은그리마지의속

**Anaptychia isidiza** Kurok. 돌기작은그리마지의

Beih. Nova Hedwigia 6: 19. 1962

Ri JD 1988; Park YS 1990; Ko MJ 1991; Huneck S et al. 1994; Moon KH 1999; Ri JD 2000; Kashiwadani H et al. 2002; Hur JS et al. 2004a

**Anaptychia palmulata** (Michx.) Vain. 작은그리마지의

Termeszetr. Fuzetek 22: 299. 1899

Kurokawa S 1962; Kim SH 1979; Kim SH 1980; Kim SH 1981; Kim KS 1983; Ri JD 1988; Park YS 1990; Ko MJ 1991; Moon KH et al. 1991; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a

*Anaptychia stippaea* (Ach.) Nadv. : Park YS 1990

*boryi* (Fée) A. Massal. → *Heterodermia boryi*

*dendritica* (Pers.) Vain. → *Heterodermia dendritica*

*dendritica* var. *colorata* (Zahlbr.) Kurok. → *Heterodermia obscurata*

*diademata* (Taylor) Kurok. → *Heterodermia diademata*

*dissecta* Kurok. → *Heterodermia dissecta*

*heterochroa* Vain. → *Heterodermia obscurata*

*hypoleuca* (Muhl.) A. Massal. → *Heterodermia hypoleuca*

*hypoleuca* f. *granulosa* Kurok. → *Heterodermia microphylla* f. *granulosa*

*isidiophora* (Nyl.) Vain. → *Heterodermia isidiophora*

*japonica* (M. Sato) Kurok. → *Heterodermia japonica*

*leucomelaena* var. *angustifolia* auct. → *Heterodermia boryi*

*leucomelaena* var. *multifida* Vain. → *Heterodermia boryi*

*microphylla* (Kurok.) Kurok. → *Heterodermia microphylla*

*neoleucomelaena* f. *neoleucomelaena* Kurok. → *Heterodermia boryi*

*obscurata* (Nyl.) Vain. → *Heterodermia obscurata*

*pseudospeciosa* Kurok. → *Heterodermia pseudospeciosa*

*speciosa* auct. → *Heterodermia tremulans*

*speciosa* var. *microspora* Kurok. → *Heterodermia tremulans*

*stippaea* (Ach.) Nadv. → *Anaptychia palmulata*

*subascendens* Asahina → *Heterodermia subascendens*

*tremulans* (Müll. Arg.) Kurok. → *Heterodermia tremulans*

**ANISOMERIDIUM** (Müll. Arg.) M. Choisy 모조참깨지의속

**Anisomeridium polypori** (Ellis & Everh.) M.E. Barr 유사참깨지의

Mem. New York Bot. Gard. 79: 76. 1996

Moon KH & Aptroot A 2009

**ANZIA** Stizenb. 개발바닥지의속

**Anzia colpota** Vain. 유사개발바닥지의

Botan. Magaz., Tokyo 35: 19. 1921

Kim SH 1979; Kim SH 1981; Ban JW 1983; Kim KS 1983; Ri JD 1988; Park YS 1990;

Moon KH et al. 1991; Moon KH 1999; Hur JS et al. 2004a; Xiao YQ et al. 2007

**Anzia hypoleucoides** Müll. Arg. 등솔기개발바닥지의

Flora (Regenburg) 74: 111. 1891

Kim SH 1980; Kim SH 1981; Ri JD 1988; Hur JS et al. 2004a

**Anzia japonica** (Tuck.) Müll. Arg. 선인장개발바닥지의

Flora 72: 507. 1889

Kim SH 1979; Kim SH 1980; Kim SH 1981; Ban JW 1983; Ri JD 1988

**Anzia opuntiella** Müll. Arg. 개발바닥지의

Flora (Regenburg) 64: 112. 1881

Kim SH 1979; Kim SH 1980; Kim SH 1981; Ri JD 1988; Park YS 1990; Huneck S et al.

1994; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Xiao YQ et al. 2007

**Anzia ornata** (Zahlbr.) Asahina 작은머위개발바닥지의

J. Jpn. Bot. 13: 221. 1937

Ban JW 1983

**ARCTOPARMELIA** Hale 차륜지의속

**Arctoparmelia centrifuga** (L.) Hale 열은노랑차륜지의

Mycotaxon 25: 252. 1986

*Parmelia centrifuga* (L.) Ach. : Ri JD 1988; Ri JD 2000

**Arctoparmelia separata** (Th. Fr.) Hale 검은배차륜지의

Mycotaxon 25: 252. 1986

*Parmelia separata* Th. Fr. : Ri JD 1988; Huneck S et al. 1989; Ri JD 2000

**ARTHOPYRENIA** A. Massal. 참깨지의속

**Arthopyrenia punctiformis** A. Massal. 발아참깨지의

Ric. Auton. Lich. Crost. (Verona): 168, fig. 335. 1852  
Moon KH & Aptroot A 2009

**ASAHINEA** W.L. Culb. & C.F. Culb. 황금조개지의속

**Asahinea chrysantha** (Tuck.) W.L. Culb. & C.F. Culb. 황금조개지의

Brittonia 17: 183. 1965

Ri JD 2000

*Cetraria chrysantha* Tuck. : Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988

**ASPICILIA** A. Massal. 오목지의속

**Aspicilia adamanticola** Hue [Note 1]

Nouv. Archiv. du Museum ser. 5. vol. 2: 39. 1912

Hue A 1912

*Lecanora adamanticola* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981

**Aspicilia asteria** Hue [Note 1]

Nouv. Archiv. du Museum ser. 5. vol. 2: 39. 1912

Hue A 1912

*Lecanora asteria* (Hue) Zahlbr. : Hue A 1912

**Aspicilia chinnampoana** Hue [Note 1]

Nouv. Archiv. du Museum ser. 5. 2: 9. 1912

Hue A 1912

*Lecanora chinnampoana* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981

**Aspicilia dimorphodes** Hue [Note 1]

Nouv. Archiv. du Museum ser. 5. 2: 31. 1912

Hue A 1912

*Lecanora dimorphodes* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981

**Aspicilia exserta** Hue [Note 1]

Nouv. Archiv. du Museum ser. 5. 2: 57. 1912

Hue A 1912

*Lecanora exserta* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981

**Aspicilia fauriana** Hue [Note 1]

Nouv. Archiv. du Museum ser. 5. 2: 95. 1912

Hue A 1912

*Lecanora fauriana* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981

**Aspicilia geographica** Hue [Note 1]

Nouv. Archiv. du Museum ser. 5. 2: 79. 1912

Hue A 1912

*Lecanora geographica* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981

**Aspicilia leucera** Hue [Note 1]

Nouv. Archiv. du Museum ser. 5. 2: 54. 1912

Hue A 1912

*Lecanora leucera* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981

**Aspicilia microsporeta** Hue [Note 1]

Nouv. Archiv. du Museum ser. 5. 2: 80. 1912

Hue A 1912

*Lecanora microsporeta* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981

**Aspicilia stellata** Hue [Note 1]

Nouv. Archiv. du Museum ser. 5. 2: 78. 1910

Hue A 1912

*Lecanora stellata* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981

**Aspicilia stenospora** Hue [Note 1]

Nouv. Archiv. du Museum ser. 5. 2: 80. 1912

Hue A 1912

*Lecanora stenospora* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981

**Aspicilia tofacea** Hue [Note 1]

Nouv. Archiv. du Museum ser. 5. 2: 40. 1912

Hue A 1912

*Lecanora tofacea* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981

**Aspicilia tumens** Hue [Note 1]

Nouv. Archiv. du Museum ser. 5. 2: 39. 1912

Hue A 1912

*Lecanora tumens* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981



**Aspicilia umbrinella** Hue [Note 1]

Nouv. Archiv. du Museum ser. 5. 2: 14. 1912

Hue A 1912

*Lecanora umbrinella* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981

**Aspicilia vulcanica** Hue [Note 1]

Nouv. Archiv. du Museum ser. 5. 2: 107. 1912

Hue A 1912

*Lecanora vulcanorum* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981

**BACIDIA** De Not.

**Bacidia arceutina** (Ach.) Rehm & Arnold

Verh. zool.-bot. Ges. Wien 19: 624. 1869

Joshi Y et al. 2011c

**Bacidia egenula** (Nyl.) Arnold

Flora, Jena 53: 472. 1870

Zhang LL et al. 2012

**Bacidia schweinitzii** (Fr. Ex E. Michener) A. Schneid

Guide Study Lich.: 110. 1898

Joshi Y et al. 2011c

**Bacidia subincompta** (Nyl.) Arnold

Flora, Jena 53: 472. 1870

Joshi Y et al. 2011c

**BAEOMYCES** Pers. 큰신선지의속

**Baeomyces rufus** (Huds.) Rebent. 붉은신선지의

Prodr. Fl. Neomarch. (Berolini): 315. 1804

Moon KH 1999

*fungoides* (Sw.) Ach. → *Dibaeis baeomyces*

**BIATORA** Fr. 방울혹지의속

**Biatora longispora** (Degel.) Lendemer & Printzen

Opuscula Philolichenum 1: 38. 2004

Printzen & Otte 2005

*helvola* Körb. ex Hellb. → *Lecidea helvola*

**BLASTENIA** A. Massal. [Note 2]

*atramentaria* (Hue) Zahlbr. → *Caloplaca atramentaria* ?

*coaddita* (Nyl.) Zahlbr. → *Caloplaca coaddita*

*granuligera* (Hue) Zahlbr. → *Caloplaca granuligera* ?

*hexaspora* (Hue) Zahlbr. → *Caloplaca hexaspora*

*injucunda* (Hue) Zahlbr. → *Caloplaca injucunda* ?

*multicolor* (Hue) Zahlbr. → *Caloplaca multicolor* ?

**BRIGANTIAEA** Trevis. 녹슨흑지의속

**Brigantiaea ferruginea** (Müll. Arg.) Kashiw. & Kurok. 녹슨흑지의

Mem. Nat. Sci. Mus., Tokyo 18: 96. 1985

Moon KH 1999

**BRYORIA** Brodo & D. Hawksw. 철사나무지의속

**Bryoria asiatica** (Du Rietz) Brodo & D. Hawksw. 고사리철사나무지의

Op. Bot. 42: 155. 1977

Moon KH 1999

*Alectoria asiatica* Du Rietz : Ri JD & Hyun JG 1988; Ri JD 1988

**Bryoria bicolor** (Ehrh.) Brodo & D. Hawksw. 도깨비수염지의

Op. Bot. 42: 99. 1977

Kashiwadani H et al. 2002

**Bryoria confusa** (D.D. Awasthi) Brodo & D. Hawksw. 큰도깨비수염지의

Op. Bot. 42: 155. 1977

*Alectoria confusa* D.D. Awasthi : Ri JD 1988

**Bryoria nitidula** (Th. Fr.) Brodo & D. Hawksw. 반짍철사나무지의

Op. Bot. 42: 107. 1977

*Alectoria nitidula* (Th. Fr.) Vain. : Ri JD 1988

**Bryoria trichodes** (Michx.) Brodo & D. Hawksw.

Op. Bot. 42: 78. 1977

Moon KH 1999

*Alectoria jubata* auct. : Sato M 1934

**Bryoria trichodes subsp. americana** (Mont.) Brodo & D. Hawksw. 철사나무지의

Op. Bot. 42: 96. 1977

Kashiwadani H et al. 2002

*Alectoria americana* Motyka : Ri JD 1988; Ri JD 2000

**BUELLIA** De Not. 솟김정혹지의속

**Buellia badia** (Fr.) A. Massal.

Memor. Lichenogr.: 124. 1853

Joshi Y et al. 2010e

**Buellia disciformis** (Fr.) Mudd.

Man. Brit. Lich.: 216. 1861

Moon KH 1999; Joshi Y et al. 2010b

**Buellia disculiformis** (Nyl.) Zahlbr.

Zahlbr. Cat. Lich. Univ. 7: 356. 1931

Moon KH 1998

**Buellia maritima** (A. Massal.) Bagl.

Schedul. Critic. 8: 150. 1856

Joshi Y et al. 2010b

**Buellia nashii** Bungartz

Mycotaxon 90: 90. 2004

Joshi Y et al. 2010e

**Buellia polyspora** (Willey) Vain.

Etud. Lich. Bresil 1: 171. 1890

Joshi Y et al. 2010b

**Buellia prospersa** (Nyl.) Riddle

Brooklyn Bot. Gard. Mem. 1: 114. 1918

Zhang LL et al. 2012

**Buellia spuria** (Schaer.) Anzi

Catal. Lich. Sondr. 87. 1860

Joshi Y et al. 2010b

**Buellia stellulata** (Taylor) Mudd. 별숫검정혹지의

Man. Brit. Lich.: 216. 1861

Joshi Y et al. 2010b

*punctata* (Hoffm.) A. Massal. → *Amandinea punctata*

**BULBOTHRIX** Hale 굵은뿌리지의속

**Bulbothrix isidiza** (Nyl.) Hale 굵은뿌리지의

Phytologia 28: 480. 1974

*Parmelia isidiza* Nyl. : Park ST 1979

**CALICIUM** Pers. 편지의속

**Calicium abietinum** Pers. 까만작은편지의

Tent. Disp. Meth. Fung. 59. 1797

Moon KH 1999; Thor G et al. 2005a; Thor G et al. 2008

**Calicium chlorosporum** F. Wilson 큰편지의

in Bailey, Bot. Bull. Dept. Agric., Queensland 7: 29. 1891

Thor G et al. 2008

**Calicium lenticulare** Ach. 유사편지의

K. Vetensk-Acad. Nya Handl.: 262. 1816

Thor G et al. 2005a

**CALOPLACA** Th. Fr. 주황단추지의속

**Caloplaca allochroa** Y. Joshi, Vondrák & Hur

Mycotaxon 117: 263. 2011

Joshi Y et al. 2011d

**Caloplaca atramentaria** (Hue) [Note 2]

*Blastenia atramentaria* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981

*Lecidea atramentaria* Hue : Hue 1913

**Caloplaca bogilana** Y. Joshi & Hur

Lichenologist 42: 716. 2010

Joshi Y et al. 2010f

**Caloplaca chejuensis** S.Y. Kondr. et J.-S. Hur

Acta Bot. Hungarica 54: 314. 2012

Kondratyuk SY et al. 2012

**Caloplaca cinnabarina** (Ach.) Zahlbr

in Engler & Prantl, Nat. Pflanzenfam., Teil. I (Leipzig) 1: 228. 1908

Sato T 1939; Joshi Y et al. 2010f; Joshi Y et al. 2011a

*Caloplaca aequata* (Hue) Zahlbr. : Zahlbruckner's Catalogus

*Lecanora aequata* Hue : Hue 1913

**Caloplaca citrina** (Hoffm.) Th. Fr. 작은주황단추지의

Nouv. Arch. du Museum d'Histoire Nat., Paris 3 série 3: 218. 1861

Moon KH 1999

**Caloplaca coaddita** (Nyl.) T. Okamoto

Lichenology 2: 126. 2004

*Blastenia coaddita* (Nyl.) Zahlbr. : Zahlbruckner's Catalogus

*Lecidea coaddita* Nyl. : Hue 1913

**Caloplaca coreana** S.Y. Kondr. et J.-S. Hur

Acta Bot. Hungarica 54: 316. 2012

Kondratyuk SY et al. 2012

**Caloplaca decipiens**(Arnold) Blomb. & Forssell

Zahlbr. Cat. Lich. Univ. 7: 226. 1931

Joshi Y et al. 2010f

**Caloplaca diffluens** (Hue) Zahlbr.

Cat. Lich. Univers. 7: 114. 1930

Zahlbruckner's Catalogus; Sato T 1939; Kondratyuk SY et al. 2012

*Lecanora diffluens* Hue : Hue A 1915; Kim SH 1981; Ri JD 1988

**Caloplaca ferruginea** (Huds.) Th. Fr.

Nova Acta R. Soc. Scient. Upsal. Ser. 3. 3: 223. 1861

Joshi Y et al. 2010f

**Caloplaca flavorubescens** (Huds.) J.R. Laundon 주황단추지의

Lichenologist 8: 147. 1976

Huneck S et al. 1989; Moon KH 1998

*Caloplaca aurantiaca* (Lightf.) Th.Fr. : Kim SH 1979; Kim SH 1980; Ri JD & Hyun JG 1988

**Caloplaca flavovirescens** (Wulfen) Dalla Torre & Sarnth. 방울주황단추지의

Fl. Tirol 180. 1902

Zahlbruckner's Catalogus; Kim SH 1981

**Caloplaca galbina** S.Y. Kondr. et J.-S. Hur

Acta Bot. Hungarica 54: 318. 2012

Kondratyuk SY et al. 2012

**Caloplaca granuligera** (Hue) [Note 2]

*Blastenia granuligera* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981

*Lecidea granuligera* Hue : Hue A 1913

**Caloplaca hexaspora** (Hue) T. Okamoto

Lichenology 2: 126. 2004

*Blastenia hexaspora* (Hue) Zahlbr. : Kim SH 1981

*Lecidea hexaspora* Hue : Hue 1913

**Caloplaca inconspicua** Arup

Bryologist 98: 102. 1995

Joshi Y et al. 2010f

**Caloplaca injucunda** (Hue) [Note 2]

*Blastenia injucunda* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981

*Lecidea injucunda* Hue : Hue 1913

**Caloplaca loekoesii** S.Y. Kondr. et J.-S. Hur

Acta Bot. Hungarica 54: 322. 2012  
Kondratyuk SY et al. 2012

**Caloplaca multicolor** (Hue) S.Y. Kondr. et J.-S. Hur

Acta Bot. Hungarica 54: 332. 2012  
Kondratyuk SY et al. 2012

*Blastenia multicolor* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981  
*Lecidea multicolor* Hue : Hue 1913

**Caloplaca pellodella** (Nyl.) Hasse

Contrib. U. S. Nation. Herbarium 17: 115. 1913  
Joshi Y et al. 2010f

**Caloplaca scopularis** (Nyl.) Lettau

Hedwigia 52: 242. 1912  
Joshi Y et al. 2010f

**Caloplaca spodoplaca** (Nyl.) Zahlbr.

Cat. Lich. Univers. 7: 183. 1931  
Kondratyuk SY et al. 2012

**Caloplaca squamosa** (B. de Lesd.) Zahlbr.

Zahlbr. Cat. Lich. Univ. 10: 629. 1940  
Joshi Y et al. 2010f

**Caloplaca stantonii** W.A. Weber ex Arup

Bryologist 95: 454. 1992  
Joshi Y et al. 2010f

**Caloplaca subflavorubescens** Y. Joshi & Hur

Lichenologist 42: 718. 2010  
Joshi Y et al. 2010f

**Caloplaca subsoluta** (Nyl.) Zahlbr.

Zahlbr. Cat. Lich. Univ. 7: 185. 1931  
Joshi Y et al. 2010f

**Caloplaca yuchiorum** Lendemer & C.A. Morse

J. Torrey bot. Soc. 137: 328. 2010

Zhang LL et al. 2012

*aequata* (Hue) Zahlbr. → *Caloplaca cinnabarina*  
*aurantiaca* (Lightf.) Th. Fr. → *Caloplaca flavorubescens*  
*elegans* (Link.) Th. Fr. → *Xanthoria elegans*  
*fusanii* (Hue) Zahlbr. → *Lecanora fusanii* ?  
*lacinulata* (Hue) Zahlbr. → *Lecidea lacinulata* ?  
*vulnerata* (Hue) Zahlbr. → *Lecanora vulnerata* ?

## **CANDELARIA** A. Massal. 좃농지의속

### **Candelaria concolor** (Dicks.) Arnold 좃농지의

Flora, Jena 62: 364. 1879

Huneck S et al. 1989; Park YS 1990; Moon KH 1997; Moon KH 1998; Moon KH 1999;  
Kashiwadani H et al. 2002

## **CANDELARIELLA** Müll. Arg. 답은좃농지의속

### **Candelariella vitellina** (Ehrh.) Müll. Arg. 답은좃농지의

Bull. Herb. Boissier 2 (App. 1): 47. 1894

Kim SH 1979; Kim SH 1980; Kim SH 1981

## **CANOMACULINA** Elix & Hale

*subtinctoria* (Zahlbr.) Elix → *Parmotrema subtinctorium*

## **CANOPARMELIA** Elix & Hale 잿빛매화나무지의속

### **Canoparmelia aptata** (Krempelh.) Elix & Hale 잿빛매화나무지의

Mycotaxon 27: 278. 1986

Park YS 1990; Moon KH 1999; Jayalal U et al. 2012b

### **Canoparmelia carneopruinata** (Zahlbr.) Elix & Hale

Mycotaxon 27: 278. 1986

Jayalal U et al. 2012b

### **Canoparmelia crozalsiana** (B. de Lesd.) Elix & Hale

Mycotaxon 27: 278. 1986



Jayalal U et al. 2012b

**Canoparmelia ecaperata** (Müll. Arg.) Elix & Hale

Mycotaxon 27: 278. 1986

Jayalal U et al. 2012b

**Canoparmelia texana** (Tuck.) Elix & Hale

Mycotaxon 27: 279. 1986

Hur JS et al. 2004a; Jayalal U et al. 2012b

*Parmelia texana* Tuck. : Lee DY 1987

**CETRARIA** Ach. 영불이끼지의속

**Cetraria islandica subsp. orientalis** (Asahina) Kärnefelt 영불지의

Michigan Botanist 17: 107. 1979

*Cetraria islandica* auct. : Nakai T 1918b; Sato T 1939; Ri JD 2000

*Cetraria islandica* f. *angustifolia* Asahina : Kim SH 1981

*Cetraria islandica* f. *crispa* auct. : Ueda T 1934; Tou JB 1935; Sato T 1939; Kim SH 1981

*Cetraria islandica* var. *orientalis* Asahina ex M. Satô : Kim SH 1980; Kim SH 1981; Ri JD 1988; Ri JD & Hyun JG 1988

**Cetraria laevigata** Rass. 말려든영불이끼지의

Bot. Zh. SSSR 28: 79. 1943

Ri JD & Hyun JG 1988; Ri JD 1988; Moon KH 1999; Ri JD 2000; Kashiwadani H et al. 2002

*Cetraria crispa* var. *asiatica* Asahina : Asahina Y 1950; Kim SH 1981

*Cetraria crispa* var. *japonica* Asahina : Sato T 1937; Sato T 1939; Kim SH 1981

*Cetraria ericetorum* auct. : Kim SH 1979; Kim SH 1980; Kim SH 1981; Ri JD 1988; Ri JD 2000

*Cetraria islandica* f. *angustifolia* auct. not Asahina in Sato : Nakai T 1917; Nakai T 1918b; Takenaka K 1933; Sato M 1936; Sato T 1939

*asahinae* M. Satô → *Cetreliaopsis asahinae*

*braunsiana* (Müll. Arg.) Zahlbr. → *Cetrelia braunsiana*

*cenotea* auct. → *Cladonia cenotea*

*chicita* W.L. Culb. → *Cetrelia chicitae*

*chrysantha* Tuck. → *Asahinea chrysantha*

*collata* auct. → *Cetrelia chicitae*

*collata* f. *isidiata* Asahina → *Cetrelia braunsiana*

*crispa* var. *asiatica* Asahina → *Cetraria laevigata*  
*crispa* var. *japonica* Asahina → *Cetraria laevigata*  
*cucullata* (Bellardi) Ach. → *Flavocetraria cucullata*  
*delisei* (Bory ex Schaer.) Nyl. → *Cetrariella delisei*  
*ericetorum* auct. → *Cetraria laevigata*  
*gilva* Asahina → *Tuckermanopsis gilva*  
*hepatizon* (Ach.) Vain. → *Melanelia hepatizon*  
*islandica* auct. → *Cetraria islandica* subsp. *orientalis*  
*islandica* f. *angustifolia* Asahina → *Cetraria islandica* subsp. *orientalis*  
*islandica* f. *angustifolia* auct. → *Cetraria laevigata*  
*islandica* f. *crispa* auct. → *Cetraria islandica* subsp. *orientalis*  
*islandica* var. *orientalis* Asahina ex M. Satô → *Cetraria islandica* subsp. *orientalis*  
*japonica* Zahlbr. → *Cetrelia japonica*  
*juniperina* (L.) Ach. → *Vulpicida juniperinus*  
*laureri* Kremp. → *Tuckneraria laureri*  
*nephromoides* (Nyl.) Vain. → *Nephromopsis nephromoides*  
*nivalis* (L.) Ach. → *Flavocetraria nivalis*  
*nuda* auct. → *Cetrelia nuda*  
*oakesiana* Tuck. → *Allocetraria oakesiana*  
*ornata* Müll. Arg. → *Nephromopsis ornata*  
*pallescens* Schaer. → *Nephromopsis pallescens*  
*pinastri* (Scop.) Gray → *Vulpicida pinastri*  
*pseudolivetorum* auct. → *Cetrelia pseudolivetorum*  
*wallichiana* auct. → *Nephromopsis pallescens*

### **CETRARIASTRUM** Sipman

*cirrhatum* (Fr.) W.L. Culb. & C.F. Culb. → *Everniastrum cirrhatum*

### **CETRARIELLA** Kärnefelt & A. Thell 가시영불이끼지의속

***Cetrariella delisei*** (Bory ex Schaer.) Kärnefelt & A. Thell 가시영불지의

Bryologist 96: 403. 1993

*Cetraria delisei* (Bory ex Schaer.) Nyl. : Kim SH 1980; Kim SH 1981

### **CETRELIA** W.L. Culb. & C.F. Culb. 조개지의속

***Cetrelia braunsiana*** (Müll. Arg.) W.L. Culb. & C.F. Culb. 돌기조개지의

Contr. U.S. Natl. Herb. 34: 493.1968

Park YS 1990; Ko MJ 1991; Moon KH 1999; Kashiwadani H et al. 2002; Luo H et al. 2007

*Cetraria braunsiana* (Müll. Arg.) Zahlbr. : Ri JD 1988  
*Cetraria collata* f. *isidiata* Asahina : Kim SH 1981  
*Parmelia braunsiana* Müll. Arg. : Huneck S et al. 1989

**Cetrelia cetrarioides** (Delise ex Duby) W.L. Culb. & C.F. Culb. 유사과립조개지의  
Contr. U.S. Natnl. Herb. 34: 498. 1968  
Ri JD 2000  
*Parmelia cetrarioides* Delise : Kim SH 1965; Ri JD & Hyun JG 1988; Ri JD 1988

**Cetrelia chicitae** (W.L. Culb.) W.L. Culb. & C.F. Culb. 과립조개지의  
Contr. U.S. Natnl. Herb. 34: 504.1968  
Park YS 1990; Ri JD 2000; Luo H et al. 2007  
*Cetraria chicitae* W.L. Culb. : Ri JD 1988  
*Cetraria collata* auct. : Tou JB 1935; Sato T 1939; Kim SH 1981

**Cetrelia isidiata** (Asahina) W.L. Culb. & C.F. Culb. 적염돌기조개지의  
Contr. U.S. Natnl. Herb. 34: 510.1968  
Huneck S et al. 1989

**Cetrelia japonica** (Zahlbr.) W.L. Culb. & C.F. Culb. 나플나플조개지의  
Contr. U.S. Natnl. Herb. 34: 511.1968  
Kim SH 1980; Kim SH 1981; Park YS 1990; Ko MJ 1991; Moon KH 1998; Moon KH  
1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Luo H et al. 2007  
*Cetraria japonica* Zahlbr. : Kim SH 1979; Kim SH 1981

**Cetrelia monachorum** (Zahlbr.) W.L. Culb. & C.F. Culb.  
Syst. Bot. 1: 326. 1977  
Park YS 1990

**Cetrelia nuda** (Hue) W.L. Culb. & C.F. Culb. 조개지의  
Contr. U.S. Natnl. Herb. 34: 513. 1968  
Kim SH 1980; Ban JW 1983; Ko MJ 1991  
*Cetraria nuda* auct. : Kim SH 1981

**Cetrelia olivetorum** (Nyl.) W.L. Culb. & C.F. Culb. 적염과립조개지의  
Contr. U.S. Natnl. Herb. 34: 515. 1968  
Kim SH 1980; Kim SH 1981; Park YS 1990; Moon KH 1999  
*Parmelia cetrarioides* var. *rubescens* (Th. Fr.) Du Rietz : Tou JB 1935; Sato T 1939; Kim  
SH 1981

*Parmelia olivetorum* Nyl. : Asahina Y 1952a; Asahina Y 1952b; Ri JD 1988

**Cetrelia pseudolivetorum** (Asahina) W.L. Culb. & C.F. Culb. 유사적엽과립조개지의

Contr. U.S. Natnl. Herb. 34: 519. 1968

Park YS 1990; Moon KH 1999; Luo H et al. 2007

*Cetraria pseudolivetorum* auct. : Huneck S et al. 1994

*Parmelia pseudolivetorum* Asahina : Ri JD 1988

**CETRELIOPSIS** M.J. Lai 전복지의속

**Cetreliaopsis asahinae** (M. Satô) Randle & A. Thell 전복지의

Cryptog. Bryol.-Lichénol. 16: 49. 1995

*Cetraria asahinae* M.Sato : Park ST 1976; Kim SH 1981; Ri JD 1988

*Nephromopsis asahinae* (M. Satô) Räsänen : Park YS 1990; Moon KH et al. 1991; Moon

KH 1999; Kashiwadani H et al. 2002

**CHAENOTHECA** (Th. Fr.) Th. Fr. 얇은편지의속

**Chaenotheca chrysocephala** (Ach.) Th. Fr. 황색얇은편지의

Lich. Arctoi 3: 250. 1860

Moon KH 1999; Thor G et al. 2005a

**Chaenotheca furfuracea** (L.) Tibell 금가루얇은편지의

Beih. Nova Hedwigia 79: 664. 1984

*Coniocybe furfuracea* (L.) Ach. : Ri JD 1988

**Chaenotheca laevigata** Nád. v.

Fedde, Repertor. 36: 309. 1934

Thor G et al. 2005a

**Chaenotheca stemonea** (Ach.) Müll. Arg. 분말얇은편지의

Mém. Soc. Phys. Hist. nat., Genève 16: 360. 1862

Thor G et al. 2008

**CLADIA** Nyl. 가시뿔곰지름의속

**Cladia aggregata** (Sw.) Nyl. 가시뿔곰지름의

Recogn. Ram. 69: 167.1870

Kim SH 1980; Kim SH 1981; Moon KH 1999; Hur JS et al. 2004a  
*Cladonia aggregata* (Sw.) Spreng. : Kim SH 1979; Ri JD 1988

## **CLADINA** (Nyl.) Nyl.

*arbuscula* auct. → *Cladonia arbuscula* subsp. *arbuscula*  
*mitis* (Sandst.) Mong. → *Cladonia mitis*  
*pseudoevansii* (Asahina) Hale & W.L. Culb. → *Cladonia pseudoevansii*  
*rangiferina* (L.) Nyl. → *Cladonia rangiferina* subsp. *grisea*

## **CLADONIA** P. Browne 사슴지의속

### **Cladonia alinii** Trass

Opredelitel' Lishaĭnikov SSSR (Handbook of the Lichens of the USSR), 5, Cladoniaceae-Acarosporaceae (Leningrad) 11: 1. 1979  
Huneck S et al. 1989

### **Cladonia amaurocraea** (Flörke) Schaer. 빨사슴지의

Monogr. Cladon. 1: 339. 1887  
Tou JB 1935; Sato T 1939; Kim SH 1981; Ri JD & Hyun JG 1988; Park YS 1990; Moon KH 1999; Ri JD 2000; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Wang XY et al. 2011b  
*Cladonia amaurocraea* f. *celotea* Ach. : Asahina Y 1950; Ri JD 1988  
*Cladonia amaurocraea* f. *cetrarioides* H. Olivier : Nakai T 1917; Sato T 1939; Kim SH 1981; Ri JD 1988  
*Cladonia amaurocraea* f. *craspedia* (Ach.) Schaer. : Asahina Y 1950; Ri JD 1988  
*Cladonia amaurocraea* f. *fasciculata* auct. : Ueda T 1934; Sato T 1939; Kim SH 1981; Ri JD 1988  
*Cladonia amaurocraea* f. *oxyceras* (Ach.) Vain. : Asahina Y & Sato M 1939; Asahina Y 1950; Kim SH 1981; Ri JD 1988  
*Cladonia amaurocraea* f. *tenuisecta* Vain. : Asahina Y 1950; Ri JD 1988

### **Cladonia angustata** Nyl. 길고작은붉은열매지의

Annl's Sci. Nat. Bot. sér. 4. 11: 236. 1859  
Hur JS et al. 2004a

### **Cladonia arbuscula** (Wallr.) Flot. **subsp. arbuscula**

in Wendt, Thermen Warmbrunn: 94. 1839  
Kim SH 1980; Ri JD 2000  
*Cladonia arbuscula* auct. : Park YS 1990

**Cladonia arbuscula subsp. beringiana** Ahti 짚사슴지의

Ann. Bot. Soc. Zool.-bot. fenn. 'Vanamo' 32: 109. 1961

Kim SH 1979; Wang XY et al. 2011b

*Cladonia sylvatica* auct. : Sato M 1936; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988

*Cladonia sylvatica* f. *pygmaea* auct. : Asahina Y 1941a; Asahina Y 1950; Kim SH 1981; Ri JD 1988

**Cladonia arbuscula subsp. squarrosa** (Wallr.) Ruoss

Bot. Helv. 97: 260. 1987

Kashiwadani H et al. 2002

**Cladonia borealis** S. Stenroos

Ann. bot. fenn. 26: 160. 1989

*Cladonia coccifera* auct. : Sato M 1934; Sato M 1936

**Cladonia caespiticia** (Pers.) Flörke 가시사슴지의

Clad. Comm.: 8. 1828

Park YS 1990; Moon KH 1998; Moon KH 1999; Wang XY et al. 2011b

**Cladonia cariosa** (Ach.) Spreng. 검불사슴지의

in Linneaus, Syst. veg., Edn 16, 4 (1 Lichenes): 272. 1827

Ri JD & Hyun JG 1988; Ri JD 1988

**Cladonia cenotea** (Ach.) Schaer. 대룡사슴지의

Lich. Helvet. Spicil. 35. 1823

Asahina Y 1950; Kim SH 1979; Kim SH 1980; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

*Cetraria cenotea* auct. : Tou JB 1935; Sato T 1939; Kim SH 1981

**Cladonia chlorophaea** (Flörke ex Sommerf.) Spreng. 깔대기지의

in Linneaus, Syst. veg., Edn 16, 4 (1 Lichenes): 273. 1827

Park YS 1990; Moon KH 1998; Moon KH 1999; Ri JD 2000; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Wang XY et al. 2011b

*Cladonia chlorophaea* f. *centralis* (Flot.) Asahina : Asahina Y 1950; Ri JD 1988

*Cladonia chlorophaea* f. *costata* (Flörke) Sandst., : Ri JD 1988

*Cladonia chlorophaea* f. *intermedia* Sandst. : Asahina Y 1940; Asahina Y 1950; Kim SH 1981; Ri JD 1988

*Cladonia chlorophaea* f. *prolifera* (Arnod) Harm. : Asahina Y 1940; Asahina Y 1950; Kim

SH 1981; Ri JD 1988

**Cladonia ciliata var. tenuis** (Flörke) Nimis 얇은잎사슴지의

Best. Europ. Flecht., Ergdnz. 1: 68. 1977

*Cladonia tenuiformis* Ahti : Kim SH 1981; Ri JD 1988; Ri JD 2000

**Cladonia coccifera** (L.) Willd.

Fl. berol. prodr.: 361. 1787

Wang XY et al. 2011b

*Cladonia esorediata* (Asahina) Yoshim. : Ri JD 1988

*Cladonia pleurota* var. *esorediata* Asahina : Ri JD 1988

**Cladonia condensata** (Flörke) Sandst.

in Abhandl. naturw. Verein. Bremen 21: 344. 1912

Ueda T 1934; Sato T 1939; Kim SH 1981

**Cladonia coniocraea** (Flörke) Spreng. 분말창끝사슴지의

Syst. veg., Edn 16, 4: 273. 1927

Kim SH 1979; Kim SH 1980; Kim SH 1981; Park ST 1982; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Moon KH 1999; Ri JD 2000; Wang XY et al. 2011b

*Cladonia coniocraea* f. *ceratodes* (Flörke) Vain. : Asahina Y 1950

**Cladonia cornuta** (L.) Hoffm. 분말뿔사슴지의

Descr. Pl. Cl. Crypt. 1: 25. 1791

Park ST 1982; Ri JD 1988; Moon KH 1999; Ri JD 2000; Kashiwadani H et al. 2002; Wang XY et al. 2011b

**Cladonia crispata** (Ach.) Flot. 촛대지의

Merkw. Flecht. Hirschb. 4. 1839

Huneck S et al. 1994; Moon KH 1999; Kashiwadani H et al. 2002; Obermayer 2009; Wang XY et al. 2011b

**Cladonia cristatella** Tuck.

Amer. J. Sci. Arts, Ser. 2. 25: 428. 1858

Park ST 1982

**Cladonia cryptochlorophaea** Asahina 크립토크알대기지의

J. Jpn. Bot. 16: 711. 1940

Asahina Y 1940; Asahina Y 1950; Kim SH 1981; Ri JD 1988; Park YS 1990; Moon KH

1999; Kashiwadani H et al. 2002

**Cladonia cyanipes** (Sommerf.) Nyl. 물빛사슴지의

1858

Ri JD & Hyun JG 1988; Ri JD 2000

*Cladonia bacilliformis* auct. : Ri JD 1988; Huneck S et al. 1989; Wang XY et al. 2011b

*Cladonia bellidiflora* auct. : Ri JD 2000

**Cladonia dehiscens** Vain.

Nouv. Archiv. du Muséum ser. 3. 10: 271. 1989

Wang XY et al. 2011b

**Cladonia didyma** (Fée) Vain. 점붉은열매지의

Acta Soc. Fauna Flora Fenn. 4: 137. 1887

Park YS 1990; Wang XY et al. 2011b

**Cladonia digitata** (L.) Hoffm. 가락붉은열매지의

Deutschl. Fl., Zweiter Theil, Erlangen 2: 124. 1796

Asahina Y 1950; Park ST 1982; Ri JD & Hyun JG 1988; Ri JD 1988

**Cladonia dissimilis** (Asahina) Asahina 유사성루지의

Lichens of Japan I, Genus *Cladonia*. p. 190. 1950

Kim SH 1980; Kim SH 1981

**Cladonia farinacea** (Vain.) A. Evans 가루가지사슴지의

Rhodora 52: 95. 1950

Park ST 1982; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

**Cladonia fenestralis** Nuno 산사슴지의

J. Jpn. Bot. 50: 291. 1975

Huneck S et al. 1994; Wang XY et al. 2011b

*Cladonia ceratophyllina* auct. : Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000; Hur JS et al. 2004a; Obermayer 2009

*Cladonia gracilis* var. *chordalis* f. *foliolosa* auct. : Asahina Y 1950

*Cladonia gracilis* var. *chordalis* f. *leucochlora* (Ach.) Flörke : Nakai T 1917; Sato T 1939

*Cladonia gracilis* var. *chordalis* f. *platydactyla* (Wallr.) Vain. : Asahina Y 1950; Ri JD 1988

**Cladonia fimbriata** (L.) Fr. 분말깔때기지의



Lich. Eur. Reform., Lund. 222. 1831

Park ST 1982; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Ri JD 2000; Wang et al. 2011b

*Cladonia major* (K.G. Hagen) Sandst. : Park ST 1982

**Cladonia furcata** (Huds.) Schrad. **var. furcata** 갈래사슴지의

Spicil. Fl. Germ. 1: 107. 1794

Kim SH 1981; Park ST 1982; Ri JD & Hyun JG 1988; Ri JD 1988; Huneck S et al. 1989; Park YS 1990; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Wang XY et al. 2011b

*Cladonia furcata* var. *palamaea* f. *rigidula* A. Massal. : Asahina Y 1950; Ri JD 1988

*Cladonia furcata* var. *pinnata* (Flörke) Vain. : Tou JB 1935; Sato T 1939; Ri JD 1988

*Cladonia furcata* var. *pinnata* f. *foliolosa* Delise : Asahina Y 1950; Ri JD 1988

*Cladonia furcata* var. *pinnata* f. *truncata* Flörke : Asahina Y 1950; Ri JD 1988

**Cladonia furcata** var. **racemosa** (Hoffm.) Flörke

De Cladonia's uit de sectie Cocciferae in België (morfologie, chemie, ecologie, sociologie, verspreiding en systematiek) 2. Ph.D. Thesis (Wilrijk): 152. 1828

Wang XY et al. 2011b

**Cladonia glauca** Flörke 얇은대롱사슴지의

Clad. Comm. 140. 1828

Ri JD 2000

**Cladonia gracilis** (L.) Willd. **subsp. gracilis**

Fl. berol. prodr.: 363. 1787

Wang XY et al. 2011b

**Cladonia gracilis** subsp. **turbinata** (Ach.) Ahti 피꼬리사슴지의

Ann. bot. fenn. 17: 212. 1980

Park YS 1990; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Wang XY et al. 2011b

*Cladonia gracilis* f. *anthocephala* Flörke : Kim SH 1981

*Cladonia gracilis* var. *anthocephala* auct. : Tou JB 1935; Sato T 1939; Ri JD 1988

*Cladonia gracilis* var. *dilacerata* Flörke : Kim SH 1981; Ri JD 1988

*Cladonia gracilis* var. *dilatata* (Hoffm.) Vain. : Kim SH 1980; Ri JD & Hyun JG 1988

*Cladonia gracilis* var. *dilatata* f. *anthocephala* Flörke : Asahina Y 1950

*Cladonia gracilis* var. *dilatata* f. *dilacerata* Flörke : Asahina Y 1950; Ri JD 1988

*Cladonia gracilis* var. *hybrida* auct. : Tou JB 1935; Sato T 1939; Kim SH 1981; Ri JD 1988

*Cladonia gracilis* var. *leucochlora* Flörke : Nakai T 1917; Sato T 1939; Ri JD 1988

**Cladonia granulans** Vain. 과립나팔지의

Bot. Magaz., Tokyo 35: 65. 1921

Ri JD 1988; Hur JS et al. 2004a; Wang XY et al. 2011b

**Cladonia grayi** G. Merr. ex Sandst. 그레이깔때기지의

Sandstede: Clad. Exs.: no. 1847. 1929

Ri JD 1988; Kashiwadani H et al. 2002

**Cladonia hokkaidensis** Asahina 자갈사슴지의

J. Jpn. Bot. 44: 353. 1969

Ri JD & Hyun JG 1988

**Cladonia homosekikaica** Nuno

J. Jpn. Bot. 50: 294. 1975

Park YS 1990

**Cladonia humilis** (With.) J.R. Laundon 작은깔대기지의

Lichenologist 16: 220. 1984

Moon KH 1998; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Wang XY et al. 2011b

*Cladonia conistea* (Delise) Asahina : Park ST 1982; Ri JD 1988

**Cladonia incrassata** Flörke

Clad. Comm. 21. 1828

Park ST 1982

**Cladonia inobeana** Asahina 이노베사슴지의

J. Jpn. Bot. 38: 1. 1963

Kim SH 1980; Kim SH 1981

**Cladonia japonica** Vain. 깊은산꽃사슴지의

Nouv. Archiv. du Museum ser. 3. 10: 265. 1898

*Cladonia carassensis* auct. : Ri JD 1988

**Cladonia kanewskii** Oxner 나뭇가지사슴지의

Ukrainian Botan. Review, Fasc. 3: 9. 1926

Kim SH 1980; Ri JD & Hyun JG 1988; Ri JD 1988; Kashiwadani H et al. 2002

**Cladonia krempelhuberi** (Vain.) Zahlbr. 성루지의

Zahlbr. Cat. Lich. Univ. 4: 552. 1926

Ri JD 1988; Park YS 1990; Moon KH 1999; Kashiwadani H et al. 2002

*Cladonia krempelhuberi* var. *subevoluta* (Asahina) Asahina : Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988

*Cladonia krempelhuberi* var. *sublepidota* (Asahina) Asahina : Ri JD 1988

*Cladonia verticillata* auct. : Lee YN & Ju SW 1956; Kim SH 1981; Park ST 1982; Ri JD 1988

**Cladonia kurokawae** Ahti & S. Stenroos

Mycosystema 8-9: 54. 1996

Moon KH 1999; Wang XY et al. 2011b

**Cladonia macilenta** Hoffm. 꼬마붉은열매지의

Deutschl. Fl., Zweiter Theil, Erlangen 2: 126. 1796

Park ST 1982; Ri JD 1988; Moon KH 1998; Moon KH 1999; Hur JS et al. 2004a; Wang XY et al. 2011b

*Cladonia bacillaris* (Ach.) Genth : Kim SH 1980; Kim SH 1981; Park ST 1982; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Moon KH et al. 1991

*Cladonia floereana* auct. : Kim SH 1981

*Cladonia floerkeana* (Fr.) Sommer. : Kim SH 1980; Park ST 1982; Ri JD 1988; Park YS 1990; Wang XY et al. 2011b

**Cladonia macroceras** (Delise) Ahti 유사연월도사슴지의

Ann. bot. fenn. 15: 13. 1978

Ri JD & Hyun JG 1988; Ri JD 2000

*Cladonia gracilis* var. *elongata* f. *laontera* (Delise) Arnold : Asahina Y 1950; Ri JD 1988

*Cladonia gracilis* var. *macroceras* auct. : Nakai T 1917; Nakai T 1918b; Sato T 1939; Ri JD 1988

**Cladonia macrophyllodes** Nyl. 큰비늘잎사슴지의

Flora (Regensburg) 58: 447. 1875

Ri JD 1988

**Cladonia macroptera** Räsänen

J. Jpn. Bot. 16: 149. 1940

Wang XY et al. 2011b

**Cladonia maxima** (Asahina) Ahti 언월도사슴지의

Acta bot. fenn. 15: 12. 1978

*Cladonia elongata* auct. : Sato M 1936

*Cladonia elongata* var. *squamosa* Anders. : Ueda T 1934; Sato T 1939; Kim SH 1981

*Cladonia gracilis* var. *elongata* auct. : Asahina Y 1950

*Cladonia gracilis* subsp. *nigripes* auct. : Park YS 1990

*Cladonia nigripes* (Nyl.) Trass : Ri JD & Hyun JG 1988; Ri JD 1988

**Cladonia merochlorophaea** Asahina 메로갈때기지의

J. Jpn. Bot. 16: 713. 1940

Kim SH 1980; Ri JD 1988

**Cladonia metacorallifera** Asahina 산호붉은열매지의

J. Jpn. Bot. 15: 612. 1939

Ri JD & Hyun JG 1988; Moon KH 1999; Wang XY et al. 2011b

**Cladonia mitis** Sandst. 유사짚사슴지의

Sandstede: Clad. Exs.: no. 55. 1918

Kim SH 1981; Ri JD 1988; Moon KH 1999

*Cladonia mitis* (Sandst.) Mong. : Ueda T 1934; Sato T 1939; Asahina Y 1950; Park YS 1990

*Cladonia arbuscula* subsp. *mitis* (Sandst.) Ruoss : Kashiwadani H et al. 2002

**Cladonia mongolica** Ahti 몽골사슴지의

Nova Hedwigia 44: 196. 1987

Moon KH 1999; Kashiwadani H et al. 2002; Wang XY et al. 2011b

**Cladonia multiformis** G. Merr.

Bryologist 11: 1. 1908

Park ST 1982

**Cladonia nipponica** Asahina 굵은사슴지의

Lichens of Japan I, Genus Cladonia. p. 121. 1950

Ri JD & Hyun JG 1988; Ri JD 1988

**Cladonia norikurensis** Asahina 고목나무사슴지의

J. Jpn. Bot. 28: 121. 1953

Ri JD & Hyun JG 1988; Ri JD 1988

**Cladonia ochrochlora** Flörke 여우사슴지의

De Cladoniis, Difficillimo lichenum genere, Commentatio nova (Rostock): 75. 1828

Kim SH 1980; Kim SH 1981; Huneck S et al. 1989; Park YS 1990; Moon KH 1998; Moon KH 1999; Ri JD 2000; Kashiwadani H et al. 2002; Wang XY et al. 2011b

**Cladonia parasitica** (Hoffm.) Hoffm. 벨벳사슴지의

Deutschl. Fl., Zweiter Theil (Erlangen): 127. 1796

Park ST 1982; Ri JD & Hyun JG 1988; Ri JD 1988

**Cladonia peziziformis** (With.) J.R. Laundon 터번사슴지의

Lichenologist 16: 223. 1984

Wang XY et al. 2008b; Wang XY et al. 2011b

**Cladonia phyllophora** Ehrh. ex Hoffm. 연꽃사슴지의

Deutschl. Fl., Zweiter Theil (Erlangen): 126. 1796

Park ST 1982; Ri JD & Hyun JG 1988; Ri JD 1988; Huneck S et al. 1989; Park YS 1990; Ri JD 2000; Wang XY et al. 2011b

**Cladonia pleurota** (Flörke) Schaer. 붉은열매지의

Enum. critic. lich. europ. (Bern): 186. 1850

Asahina Y 1950; Kim SH 1980; Kim SH 1981; Ri JD & Hyun JG 1988; Park YS 1990; Moon KH 1998; Moon KH 1999; Kashiwadani H et al. 2002; Wang XY et al. 2011b

**Cladonia pseudoevansii** Asahina 엷은색산사슴지의

J. Jpn. Bot. 16: 187. 1940

Asahina Y 1950; Kim SH 1979; Kim SH 1980; Kim SH 1981; Ri JD 1988

*Cladina pseudoevansii* (Asahina) Hale & W.L. Culb. : Park YS 1990

**Cladonia pyxidata** (L.) Hoffm. 후엽갈때기지의

Deutschl. Fl., Zweiter Theil (Erlangen): 121. 1796

Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Huneck S et al. 1994; Wang XY et al. 2011b

**Cladonia ramulosa** (With.) J.R. Laundon 작은연꽃사슴지의

Lichenologist 16: 225. 1984

Park YS 1990; Huneck S et al. 1994; Moon KH 1998; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Wang XY et al. 2011b

*Cladonia pityrea* (Flörke) Fr. : Kim SH 1980; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

*Cladonia pityrea* var. *zwackii* f. *crassiuscula* Coem. : Asahina Y 1950; Ri JD 1988

*Cladonia pityrea* var. *zwackii* f. *subacuta* Vain. : Asahina Y 1950; Ri JD 1988

*Cladonia pityrea* var. *zwackii* f. *subuliformis* Vain. : Asahina Y 1950; Ri JD 1988

**Cladonia rangiferina** (L.) Weber ex F.H. Wigg. **subsp. rangiferina**

Prim. Fl. Holsat., Kiliae p. 90. 1780

Wang XY et al. 2011b

**Cladonia rangiferina subsp. grisea** Ahti 사슴지의

Ann. Bot. Soc. Zool. -bot. fenn. 'Vanamo' 32: 96. 1961

Wang XY et al. 2011b

*Cladonia rangiferina* (L.) Nyl. : Park YS 1990

*Cladonia rangiferina* auct. : Nakai T 1917; Takenaka K 1933; Ueda T 1934; Tou JB 1935; Sato M 1936; Asahina Y & Sato M 1939; Sato T 1939; Lee YN & Ju SW 1956; Kim SH 1980; Kim SH 1981; Park ST 1982; Ri JD & Hyun JG 1988; Moon KH 1999; Ri JD 2000; Kashiwadani H et al. 2002; Hur JS et al. 2004a

*Cladonia rangiferina* f. *vulgaris* auct. : Asahina Y 1941a; Asahina Y 1950

**Cladonia rangiformis** Hoffm.

Deutschl. Fl., Zweiter Theil (Erlangen): 114. 1796

Ri JD 1988; Huneck S et al. 1989

**Cladonia rappii var. exilior** (Abbayes) Ahti

Ann. bot. fenn. 20: 5. 1983

Wang XY et al. 2011b

**Cladonia rei** Schaer 지팡이사슴지의

Lich. helv. spicil. 1: 34. 1823

Kashiwadani H et al. 2002; Wang XY et al. 2011b

*Cladonia nemoxya* Ach. : Asahina Y 1950; Kim SH 1981; Ri JD 1988

**Cladonia scabriuscula** (Delise) Leight. 꼬리사슴지의

Flora, Jena 58: 447. 1875

Park ST 1982; Ri JD & Hyun JG 1988; Ri JD 1988; Huneck S et al. 1989; Park YS 1990; Moon KH 1999; Ri JD 2000; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Wang XY et al. 2011b

*Cladonia scabriuscula* f. *cancellata* Müll. Arg. : Asahina Y 1950; Ri JD 1988

**Cladonia squamosa** (Scop.) Hoffm. **var. squamosa** 비늘사슴지의

Deutschl. Fl., Zweiter Theil (Erlangen): 125. 1796

Ri JD 1988; Park YS 1990; Huneck S et al. 1994; Moon KH 1999; Kashiwadani H et al.

2002; Wang XY et al. 2011b

**Cladonia squamosa var. subsquamosa** (Nyl. ex Leight.) Vain. 유사비늘사슴지의

Meddn Soc. Fauna Flora fenn. 6: 113. 1881

*Cladonia subsquamosa* (Nyl. ex Leight.) Cromb. : Ri JD 1988

**Cladonia stellaris** (Opiz) Pouzar & Vězda 깊은산사슴지의

Preslia 43: 196. 1971

Kim SH 1979; Kim SH 1980; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

*Cladonia alpestris* auct. : Nakai T 1918a; Takenaka K 1933; Ueda T 1934; Tou JB 1935;

Sato M 1936; Asahina Y & Sato M 1939; Sato T 1939; Asahina Y 1950; Kim SH 1981

**Cladonia subcariosa** Nyl. 목장사슴지의

Flora, Jena 59: 560. 1894

*Cladonia polycarpoides* Nyl. : Park ST 1982; Moon KH 1999; Kashiwadani H et al. 2002

**Cladonia subconistea** Asahina 유사작은깔때기지의

J. Jpn. Bot. 17: 433. 1941

Huneck S et al. 1989; Moon KH 1998; Moon KH 1999; Kashiwadani H et al. 2002; Wang

XY et al. 2011b

**Cladonia submitis** A. Evans 주름사슴지의

Rhodora 45: 435. 1943

Kim SH 1980; Kim SH 1981; Ri JD 1988

**Cladonia subulata** (L.) Weber ex F.H. Wigg. 송곳사슴지의

Prim. fl. holsat. (Kiliae): 90. 1780

Ri JD & Hyun JG 1988; Ri JD 1988

**Cladonia symphycarpia** (Flörke) Fr.

Fl. carniol., Edn 2 (Wien): 20. 1826

Wang XY et al. 2011b

*Cladonia symphycarpa* (Ach.) Fr. : Huneck S et al. 1994

**Cladonia transcendens** (Vain.) Vain.

Nouv. Arch. du Muséum 10: 262. 1898

Park ST 1982

**Cladonia trassii** Ahti 목장망루지의

Folia cryptog., Estonica 32: 7. 1998

*Cladonia lepidota* auct. : Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

*Cladonia lepidota* f. *fuscescens* Asahina : Asahina Y 1950; Ri JD 1988

**Cladonia turgida** Ehrh. ex Hoffm. 넓은잎사슴지의

Deutschl. Fl., Zweiter Theil (Erlangen): 1-200. 1796

Park YS 1990; Moon KH 1999; Wang XY et al. 2011b

**Cladonia uncialis** (L.) Weber ex F.H. Wigg. 넓은사슴지의

Prim. fl. holsat. (Kiliae): 90. 1780

Asahina Y 1950; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000; Wang XY et al. 2011b

**Cladonia vulcani** Savicz 유향지의

Bull. Jard. Imp. Bot. Pierrele Grand 14: 124. 1914

Ri JD 1988

**Cladonia wainioi** Savicz 돌사슴지의

Savicz Bull. Jard. Imp. Bot. Pierrele Grand 14: 125. 1914 (*C. wainii*)

Ri JD & Hyun JG 1988; Ri JD 1988

*Cladonia pseudorangiformis* Asahina : Asahina Y 1942; Asahina Y 1950; Kim SH 1979; Kim SH 1980; Kim SH 1981

*aggregata* (Sw.) Spreng. → *Cladia aggregata*

*alpestris* auct. → *Cladonia stellaris*

*amaurocraea* f. *celotea* Ach. → *Cladonia amaurocraea*

*amaurocraea* f. *cetrarioides* H. Olivier → *Cladonia amaurocraea*

*amaurocraea* f. *craspedia* (Ach.) Schaer. → *Cladonia amaurocraea*

*amaurocraea* f. *fasciculata* auct. → *Cladonia amaurocraea*

*amaurocraea* f. *oxyceras* (Ach.) Vain. → *Cladonia amaurocraea*

*amaurocraea* f. *tenuisecta* Vain. → *Cladonia amaurocraea*

*arbuscula* subsp. *mitis* (Sandst.) Ruoss → *Cladonia mitis*

*bacillaris* (Ach.) Genth → *Cladonia macilenta*

*bacilliformis* auct. → *Cladonia cyanipes*

*bellidiflora* auct. → *Cladonia cyanipes*

*carassensis* auct. → *Cladonia japonica*

*ceratophyllina* auct. → *Cladonia fenestralis*

*chlorophaea* f. *centralis* (Flot.) Asahina → *Cladonia chlorophaea*

*chlorophaea* f. *costata* (Flörke) Sandst. → *Cladonia chlorophaea*

*chlorophaea* f. *intermedia* Sandst. → *Cladonia chlorophaea*



*chlorophaea* f. *prolifera* (Arnod) Harm. → *Cladonia chlorophaea*  
*coccifera* auct. → *Cladonia borealis*  
*coniocraea* f. *ceratodes* (Flörke) Vain. → *Cladonia coniocraea*  
*conistea* (Delise) Asahina → *Cladonia humilis*  
*elongata* auct. → *Cladonia maxima*  
*elongata* var. *squamosa* Anders. → *Cladonia maxima*  
*esorediata* (Asahina) Yoshim. → *Cladonia coccifera*  
*floereana* auct. → *Cladonia macilenta*  
*floerkeana* (Fr.) Sommer. → *Cladonia macilenta*  
*furcata* var. *palamaea* f. *rigidula* A. Massal. → *Cladonia furcata*  
*furcata* var. *pinnata* f. *foliolosa* Delise → *Cladonia furcata*  
*furcata* var. *pinnata* f. *truncata* Flörke → *Cladonia furcata*  
*furcata* var. *pinnata* (Flörke) Vain. → *Cladonia furcata*  
*gracilis* f. *anthocephala* Flörke → *Cladonia gracilis* subsp. *turbinata*  
*gracilis* subsp. *elongata* (Wulfen) Vain. → *Cladonia maxima*  
*gracilis* subsp. *nigripes* auct. → *Cladonia maxima*  
*gracilis* var. *anthocephala* auct. → *Cladonia gracilis* subsp. *turbinata*  
*gracilis* var. *chordalis* f. *foliolosa* auct. → *Cladonia fenestralis*  
*gracilis* var. *chordalis* f. *leucochlora* (Ach.) Flörke → *Cladonia fenestralis*  
*gracilis* var. *chordalis* f. *platydactyla* (Wallr.) Vain. → *Cladonia fenestralis*  
*gracilis* var. *dilacerata* Flörke → *Cladonia gracilis* subsp. *turbinata*  
*gracilis* var. *dilatata* f. *anthocephala* Flörke → *Cladonia gracilis* subsp. *turbinata*  
*gracilis* var. *dilatata* f. *dilacerata* Flörke → *Cladonia gracilis* subsp. *turbinata*  
*gracilis* var. *dilatata* (Hoffm.) Vain. → *Cladonia gracilis* subsp. *turbinata*  
*gracilis* var. *elongata* f. *laontera* (Delise) Arnold → *Cladonia macroceras*  
*gracilis* var. *elongata* auct. → *Cladonia maxima*  
*gracilis* var. *hybrida* auct. → *Cladonia gracilis* subsp. *turbinata*  
*gracilis* var. *leucochlora* Flörke → *Cladonia gracilis* subsp. *turbinata*  
*gracilis* var. *macroceras* auct. → *Cladonia macroceras*  
*krempelhuberi* var. *subevoluta* (Asahina) Asahina → *Cladonia krempelhuberi*  
*krempelhuberi* var. *sublepidota* (Asahina) Asahina → *Cladonia krempelhuberi*  
*lepidota* auct. → *Cladonia trassii*  
*lepidota* f. *fuscescens* Asahina → *Cladonia trassii*  
*major* (K.G. Hagen) Sandst. → *Cladonia fimbriata*  
*nemoxyna* Ach. → *Cladonia rei*  
*nigripes* (Nyl.) Trass → *Cladonia maxima*  
*pityrea* (Flörke) Fr. → *Cladonia ramulosa*  
*pityrea* var. *zwackii* f. *crassiuscula* Coem. → *Cladonia ramulosa*  
*pityrea* var. *zwackii* f. *subacuta* Vain. → *Cladonia ramulosa*

*pityrea* var. *zwackii* f. *subuliformis* Vain. → *Cladonia ramulosa*  
*pleurota* var. *esorediata* Asahina → *Cladonia coccifera*  
*polycarpoides* Nyl. → *Cladonia subcariosa*  
*pseudorangiformis* Asahina → *Cladonia wainioi*  
*rangiferina* auct. → *Cladonia rangiferina* subsp. *grisea*  
*rangiferina* f. *vulgaris* auct. → *Cladonia rangiferina* subsp. *grisea*  
*scabriuscula* f. *cancellata* Müll. Arg. → *Cladonia scabriuscula*  
*subsquamosa* (Nyl. ex Leight.) Cromb. → *Cladonia squamosa* var. *subsquamosa*  
*sylvatica* auct. → *Cladonia arbuscula* subsp. *beringiana*  
*sylvatica* f. *pygmaea* auct. → *Cladonia arbuscula* subsp. *beringiana*  
*symphycarpa* (Ach.) Fr. → *Cladonia symphycarpa*  
*tenuiformis* Ahti → *Cladonia ciliata* var. *tenuis*  
*verticillata* auct. → *Cladonia krempelhuberi*

## COCCOCARPIA Pers. 기와지의속

### **Coccocarpia erythroxyli** (Spreng.) Swinsc. & Krog 매화기와의

Norw. JI Bot. 23: 254. 1976

Park YS 1990; Huneck S et al. 1994; Moon KH 1999; Kashiwadani H et al. 2002; Wang XY et al. 2007

*Coccocarpia parmelioides* (Hook. f.) Trevis. : Ri JD & Hyun JG 1988; Ri JD 1988

### **Coccocarpia palmicola** (Spreng.) Arv. & D.J. Galloway 기와의

Bot. Notiser 132: 242. 1979

Park YS 1990; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Wang XY et al. 2007

*Coccocarpia cronia* (Tuck.) Vain. : Ri JD & Hyun JG 1988; Ri JD 1988; Huneck S et al. 1994

### **Coccocarpia pellita** (Ach.) Müll. Arg. 나플나플기와의

Flora (Regensburg) 65: 320. 1882

Park YS 1990

*Coccocarpia fenicis* Vain. : Ri JD & Hyun JG 1988; Ri JD 1988

*cronia* (Tuck.) Vain. → *Coccocarpia palmicola*

*fenicis* Vain. → *Coccocarpia pellita*

*parmelioides* (Hook. f.) Trevis. → *Coccocarpia erythroxyli*

## COCCOTREMA Müll. Arg. 구멍방울지의속

**Coccotrema cucurbitula** (Mont.) Müll. Arg. 구멍방울지의

Nuovo Giorn. Bot. Ital. 21: 51. 1889

Kim SH 1980; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988

**COLLEMA** F.H. Wigg. 김지의속

**Collema complanatum** Hue 얇은김지의

Journ. De Botan. 20: 85. 1906

Ri JD 1988; Ri JD & Chong YH 1990; Moon KH 1999; Kashiwadani H et al. 2002

**Collema fasciculare(L.)** Weber ex F.H. Wigg. 접김지의

Prim. fl. holsat. (Kiliae): 89. 1780

Ri JD & Hyun JG 1988

**Collema flaccidum** (Ach.) Ach. 깊은산박취김지의

Lich. univ.: 647. 1810

Park YS 1990; Hur JS et al. 2004a

**Collema fragrans** (Sm.) Ach.

Syn. meth. lich. (Lund): 311. 1814

Ban JW 1983; Kim KS 1983

**Collema furfuraceum** Du Rietz **var. furfuraceum**

Arkiv for Bot. 22A (13): 5. 1929

Park YS 1990; Moon KH 1999

**Collema furfuraceum var. luzonense** (Räsänen) Degel.

Symb. Bot., Upsal. 20: 179. 1974

Kashiwadani H et al. 2002

**Collema fuscovirens** (With.) J.R. Laundon 돌담김지의

Lichenologist 16: 219. 1984

*Collema tunaeforme* (Ach.) Ach. : Ri JD & Chong YH 1990

**Collema glaucophthalmum** Nyl.

Flora, (Regensburg) 41: 377. 1858

Kim KS 1983

**Collema japonicum** (Müll. Arg.) Hue 연한김지의

Nouv. Arch. Mus. Hist. Nat., Paris 3 Sér. 10: 220. 1898

Ri JD 1988; Park YS 1990; Ri JD & Chong YH 1990; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a

*Collema bicaudatum* (Müll. Arg.) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981

*Synechoblastus bicaudatus* Müll. Arg. : Müller J 1891

**Collema leptaleum** Tuck. 주름김지의

Proc. Amer. Acad. Arts & Sci. 6: 263. 1866

*Collema idzuense* Zahlbr. : Ri JD 1988; Ri JD & Chong YH 1990

**Collema peregrinum** Degel.

Symb. Bot., Upsal. 20: 109. 1974

Kashiwadani H et al. 2002

**Collema shiroumanum** Yasuda ex Räsänen 시로우마돌김지의

J. Jpn. Bot. 16: 147. 1940

Park YS 1990

**Collema subflaccidum** Degel. 돌기돌김지의

Symb. Bot., Upsal. 20: 140. 1974

Park YS 1990; Moon KH 1997; Moon KH 1999; Kashiwadani H et al. 2002

*Collema nigrescens* auct. : Kim SH 1981; Ri JD 1988; Park YS 1990

*Collema subfurvum* auct. : Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD & Chong YH 1990

*bicaudatum* (Müll. Arg.) Zahlbr. → *Collema japonicum*

*idzuense* Zahlbr. → *Collema leptaleum* var. *leptaleum*

*nigrescens* auct. → *Collema subflaccidum*

*pulcellum* Ach. → *Leptogium pulchellum*

*subfurvum* auct. → *Collema subflaccidum*

*tunaeforme* (Ach.) Ach. → *Collema fuscovirens*

**CONIOCYBE** Ach.

*furfuracea* (L.) Ach. → *Chaenotheca furfuracea*

**CRISPONEA** Egea & Torrente

**Cresponea proximata** (Nyl.) Egea & Torrente

Mycotaxon 48: 328. 1993

Joshi Y et al. 2011c

**CROCYNIA** (Ach.) A. Massal. 쉼지의속

*coriensis* Hue → *Lepraria coriensis*

**CYANOPYRENIA** H. Harada 청수지의속

**Cyanopyrenia japonica** H. Harada 청수지의

Lichenologist 27: 249. 1995

Moon KH & Aptroot A 2009

**CYPHELIUM** Ach. 납작핀지의속

**Cyphelium lucidum** (Th. Fr.) Th. Fr.

Gen. Heterolich. Eur.: 101. 1861

Thor G et al. 2008

**Cyphelium figillare** (Ach.) Ach. 납작핀지의

K. Vetensk-Acad. Nya Handl.: 261. 1815

Kim SH 1979; Kim SH 1980; Kim SH 1981

**DACTYLOSPORA** Körb.

**Dactylospora glaucomarioides** (Tuck.) Hafellner

Beih. Nova Hedwigia 62: 109. 1979

Huneck S et al. 1994; Joshi Y et al. 2010i

**DERMATOCARPON** Eschw. 담수석이지의

**Dermatocarpon miniatum** (L.) W. Mann var. **miniatum** 붉은배담수석이지의

Lich. Bohem. Observ. Dispos.: 66. 1825

Sato T 1938; Sato T 1939; Kim SH 1981; Ban JW 1983; Kim KS 1983; Ri JD & Hyun JG 1988; Ri JD 1988; Huneck S et al. 1989; Park YS 1990; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Hur JS et al. 2004c; Moon KH & Aptroot A 2009

**Dermatocarpon miniatum** var. **complicatum** (Lightf.) Th. Fr.

Nova Acta R. Soc. Scient., Upsal. Ser. 3. 3: 354. 1861

Ri JD 1988

**Dermatocarpon tuzibei** M. Satô 깊은산담수지의

J. Jpn. Bot. 15: 572. 1939

Hur JS et al. 2004c

*myogiense* Asahina → *Neocatapyrenium cladonioideum*

**DIBAEIS** Clem. 신선지의속

**Dibaeis baemyces** (L. f.) Rambold & Hertel 신선지의

Bibliothca Lichenol. 53: 231. 1993

*Baemyces fungoides* (Sw.) Ach. : Moon KH 1999

**DIMELAENA** Normann

**Dimelaena oreina** (Ach.) Normann [Note 3]

Nytt Mag. Natur. 7: 231. 1853

*Lecanora oreina* (Ach.) Ach. : Hue A 1909

**DIMERELLA** Trevis. 오렌지접시지의속

**Dimerella lutea** (Dicks.) Trevis. 오렌지접시지의

Rev. Ist. Lomb., Milano ser. 2. 13: 65. 1880

Moon KH 1999

**DIPLOSCHISTES** Norman

**Diploschistes actinostomus** (Ach.) Zahlbr.

Hedwigia 31: 34. 1892

Joshi Y et al. 2011c

**Diploschistes scruposus** (Schreb.) Norman

Nytt Mag. Natur. 7: 232. 1853

Joshi Y et al. 2011c

**DIRINARIA** (Tuck.) Clem. 메달지의속

**Dirinaria applanata** (Fée) D.D. Awasthi 메달지의

J. Indian Bot. Soc. 49: 135. 1970

Kim SH 1979; Kim SH 1980; Kim SH 1981; Ri JD & Hyun JG 1988; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Wei XL & Hur JS 2007

**ENDOCARPON** Hedw. 녹색지의속

**Endocarpon adscendens** (Anzi) Müll. Arg.

Bull. Murith. Soc. Valais. Sci. Nat. 10: 58. 1881

Moon KH & Aptroot A 2009

**Endocarpon pallidulum** (Nyl.) Nyl.

in Hue, Nouv. Arch. Mus. Hist. Nat., Paris 3 Sér. 4: 106. 1892

Moon KH & Aptroot A 2009

**Endocarpon pallidum** Ach.

Lich. univ.: 301. 1810

Moon KH & Aptroot A 2009

**Endocarpon simplicatum** (Nyl.) Nyl.

in Hue, Rev. Bot., Courrensan 6: 104. 1888

Moon KH & Aptroot A 2009

**EVERNIA** Ach. 메아리김지의속

**Evernia esorediosa** (Müll. Arg.) Du Rietz 메아리김지의

Svensk Bot. Tidskr. 18: 390. 1924

Kim SH 1979; Kim SH 1980; Ri JD 1988

*Evernia mesomorpha* f. *esorediosa* Müll. Arg. : Asahina Y & Sato M 1939; Kim SH 1981

**Evernia mesomorpha** Nyl. 분말메아리김지의

Lich. Scand. (Uppsala): 74. 1861

Ueda T 1934; Sato T 1939; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

**Evernia prunastri** (L.) Ach. 진두발지의

Lichenogr. Univ. 442. 1810

Kim SH 1980; Kim SH 1981; Ri JD 1988

*mesomorpha* f. *esorediosa* Müll. Arg. → *Evernia esorediosa*

## **EVERNIASTRUM** Hale ex Sipman

### **Everniastrum cirrhatum** (Fr.) Hale ex Sipman

Mycotaxon 26: 237. 1986

*Cetrariastrum cirrhatum* (Fr.) W.L. Culb. & C.F. Culb. : Park YS 1990; Moon KH 1999

*Parmelia cirrhata* Fr. : Kim SH 1965; Kim SH 1981; Lee DY 1987; Ri JD 1988

*Parmelia cirrhata* f. *vermicularis* (Vain.) Asahina : Asahina Y 1952b; Kim SH 1965

## **FISSURINA** Fée

### **Fissurina insidiosa** C. Knight & Mitt.

Trans. Linn. Soc. London 23: 102. 1860

Joshi Y et al. 2011c

## **FLAKEA** O.E. Erikss. 풀비늘지의속

### **Flakea papillata** O.E. Erikss. 풀비늘지의

Syst. Ascom. 11: 14. 1992

Kashiwadani H et al. 2002

## **FLAVOCETRARIA** Kärnefelt & A. Thell 노란영불이끼지의속

### **Flavocetraria cucullata** (Bellardi) Kärnefelt & A. Thell 얇은노란영불이끼지의

Acta bot. fenn. 150: 81. 1994

*Cetraria cucullata* (Bellardi) Ach. : Park ST 1976; Kim SH 1980; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

### **Flavocetraria nivalis** (L.) Kärnefelt & A. Thell 노란영불이끼지의

Acta bot. fenn. 150: 84. 1994

*Cetraria nivalis* (L.) Ach. : Park ST 1976; Kim SH 1980; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988

## **FLAVOPARMELIA** Hale 노란매화나무지의속

### **Flavoparmelia caperata** (L.) Hale 노란매화나무지의

Mycotaxon 25: 604. 1986



Park YS 1990; Moon KH et al. 1991; Huneck S et al. 1994; Moon KH 1997; Moon KH 1999; Hur JS et al. 2004a

*Parmelia caperata* (L.) Ach. : Ueda T 1934; Tou JB 1935; Sato T 1939; Kim SH 1965; Park ST 1976; Cho SS & Lee YN 1980; Kim SH 1981; Kim KS 1983; Lee DY 1987; Ri JD & Hyun JG 1988; Ri JD 1988; Huneck S et al. 1989; Ri JD 2000

*Parmelia caperata* f. *papillosa* Harm. : Asahina Y 1952b; Ri JD 1988

*Pseudoparmelia caperata* (L.) Hale : Ban JW 1983

## **FLAVOPUNCTELIA** (Krog) Hale 흰점노람매화나무지의속

### **Flavopunctelia soledica** (Nyl.) Hale 분말흰점노란매화나무지의

Mycotaxon 20: 682. 1984

*Parmelia ulophyllodes* (Vain.) Savicz : Ri JD 1988

## **FUSCIDEA** V. Wirth & Vězda

### **Fuscidea recensa** var. *arcuatula* (Arnold) Fryday

Lichenologist 40: 313. 2008

Joshi Y et al. 2011c

## **FUSCOPANNARIA** P.M. Jørg. 작은꽃잎지의속

### **Fuscopannaria ahlneri** (P.M. Jørg.) P.M. Jørg.

J. Hattori Bot. Lab. 76: 205. 1994

Kashiwadani H et al. 2002

*Pannaria ahlneri* P.M. Jørg. : Park YS 1990; Moon KH 1999

### **Fuscopannaria incisa** (Müll. Arg.) P.M. Jørg. 방석작은꽃잎지의

Bryologist 103: 682. 2000

Kashiwadani H et al. 2002

*Parmeliella incisa* Müll. Arg. : Ri JD & Hyun JG 1988; Park YS 1990; Moon KH 1999

### **Fuscopannaria laceratula** (Hue) P.M. Jørg.

J. Hattori Bot. Lab. 76: 205. 1994

*Pannaria laceratula* Hue : Zahlbruckner's Catalogus; Kim SH 1981

### **Fuscopannaria leucosticta** (Tuck.) P.M. Jørg. 작은꽃잎지의

J. Hattori Bot. Lab. 76: 205. 1994

Hur JS et al. 2004a

*Pannaria leucosticta* Tuck. : Zahlbruckner's Catalogus; Kim SH 1980; Kim SH 1981; Park YS 1990; Moon KH 1999

**Fuscopannaria protensa** (Hue) P.M. Jørg.

J. Hattori Bot. Lab. 76: 205. 1994

*Pannaria protensa* Hue : Zahlbruckner's Catalogus; Kim SH 1981

**Fuscopannaria siamensis** P.M. Jørg. & Wolseley

J. Hattori Bot. Lab. 89: 256. 2000

Jørgensen PM 2002

**Fuscopannaria subincisa** (Zahlbr.) P.M. Jørg. 흰방석작은꽃잎지의

J. Hattori Bot. Lab. 89: 258. 2000

*Parmeliella subincisa* Zahlbr. : Ri JD & Hyun JG 1988; Park YS 1990; Moon KH 1999

**GLOEOHEPPIA** Gyeln.

**Gloeoheppia turugida** (Ach.) Gyeln.

Reprum nov. Spec. Regni veg. 38: 212. 1935

Schults M & Moon KH 2011

**GLOSSODIUM** Nyl. 주걱지의속

**Glossodium japonicum** Zahlbr. 주걱지의

Bot. Mag., Tokyo 41: 336. 1927

Ri JD 1988

**GRAPHIS** Adans. 문자지의속

**Graphis anfractuosa** (Eschw.) Eschw. 삐뚤삐뚤문자지의

in von Martius, Fl. Bras. 1: 86. 1833

Kim SH 1979; Kim SH 1980; Kim SH 1981

**Graphis aperiens** Müll. Arg.

Flora 74: 113. 1891

Moon KH et al. 2012

**Graphis cervina** Müll. Arg. 돌문자지의

Nuovo Giorn. Botan., Ital. 24: 199. 1892

Kim SH 1979; Kim SH 1980; Kim SH 1981

**Graphis flavopalmicola** Y. Joshi, Lüking & Hur

Mycotaxon 113: 306. 2010

Joshi Y et al. 2010g

**Graphis handelii** Zahlbr. 유사문자지의

in Handel-Mazzetti, Symb. Sinic. 3: 39 et 44. 1930

Kim SH 1979; Kim SH 1980; Kim SH 1981

**Graphis intricata** Fée 작은문자지의

Essai Crypt. Exot., Suppl. Révis. (Paris): 42. 1837

Kim SH 1979; Kim SH 1980; Kim SH 1981

**Graphis jejuensis** K. H. Moon, M. Nakan. & Kashiw. 제주밤색문자지의

J. Jpn. Bot. 87: 322. 2012

Moon KH et al. 2012

**Graphis proserpens** Vain. 줄문자지의

Botan. Tidsskrift 29: 132. 1909

Kim SH 1979; Kim SH 1980; Kim SH 1981; Moon KH 1999

**Graphis rikuzensis** (Vain.) M. Nakan. 한랭문자지의

J. Sci. Hiroshima Univ. ser. B. Div. 2, Bot. 11: 61. 1966

Kim SH 1979; Kim SH 1980; Kim SH 1981; Huneck S et al. 1989; Ka KH et al. 1997;

Moon KH 1999; Ri JD 2000

**Graphis scripta** (L.) Ach. 문자지의

K. svenska Vetensk-Akad. Handl. 28: 145. 1809

Kim SH 1979; Kim SH 1981; Huneck S et al. 1989; Ka KH et al. 1997; Moon KH 1998;

Moon KH 1999

*Graphis scripta* var. *cerasi* (Pers.) Ach. : Kim SH 1980

**Graphis tsunodae** Zahlbr.

Ann. Mycol. 14: 47. 1916

Moon KH et al. 2012

*scripta* var. *cerasi* (Pers.) Ach. → *Graphis scripta*

## **GYROPHORA** Pat.

*esculenta* Miyoshi → *Umbilicaria esculenta*

*kisovana* Zahlbr. ex M. Satô → *Umbilicaria kisovana*

*proboscidea* (L.) Ach. → *Umbilicaria proboscidea*

## **HAEMATOMMA** A. Massal. 석류지의속

*lapponicum* Räsänen → *Ophioparma lapponica*

*ochrophaeum* (Tuck.) A. Massal. → *Loxospora ochrophaea*

## **HALECANIA** M. Mayrhofer

### **Halecania lobulata** van den Boom & Elix

Lichenologist 37: 240. 2005.

van den Boom & Elix 2005

## **HEPPIA** Nägeli ex A. Massal. 찰흙지의속

### **Heppia despreauxii** (Mont.) Tuck.

Geneacaena Lich. 46. 1872

Asahina Y 1934; Asahina Y & Sato M 1939; Sato T 1939; Kim SH 1981

### **Heppia lutosa** (Ach.) Nyl. 찰흙지의

Syn. meth. lich. (Parisiis) 2: 45. 1863

Ri JD 1988

### **Heppia pulvinata** Hue

Journ. de Botan. 22: 84. 1909

Zahlbruckner's Catalogus; Kim SH 1981

## **HETERODERMIA** Trevis. 그리마지의속

### **Heterodermia boryi** (Fée) Hale 실그리마지의

Geophytology 6: 33. 1976

Park YS 1990; Moon KH 1999; Kashiwadani H et al. 2002; Wei XL et al. 2008

*Anaptychia boryi* (Fée) A. Massal. : Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

*Anaptychia leucomelaena* var. *angustifolia* auct. : Asahina Y & Sato M 1939; Kim SH 1981

*Anaptychia leucomelaena* var. *multifida* Vain. : Sato M 1934; Sato M 1935; Sato T 1939  
*Anaptychia neoleucomelaena* f. *neoleucomelaena* Kurok. : Kurokawa S 1961

**Heterodermia comosa** (Eschw.) Follmann & Redón

Willdenowia 6: 446. 1972  
Kashiwadani H et al. 2002

**Heterodermia dendritica** (Pers.) Poelt 유사노란배그리마지의

Nova Hedwigia 9: 31. 1965  
Park YS 1990; Kashiwadani H et al. 2002; Hur JS et al. 2004a  
*Anaptychia dendritica* (Pers.) Vain. : Ri JD 2000

**Heterodermia diademata** (Taylor) D.D. Awasthi 가죽그리마지의

Geophytology 3: 113. 1973  
Park YS 1990; Ko MJ 1991; Moon KH 1999; Wei XL et al. 2008  
*Anaptychia diademata* (Taylor) Kurok. : Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

**Heterodermia dissecta** (Kurok.) D.D. Awasthi 나플나플그리마지의

Geophytology 3: 113. 1973  
Hur JS et al. 2004a; Wei XL et al. 2008  
*Anaptychia dissecta* Kurok. : Kim SH 1979; Kim SH 1980; Kim SH 1981; Ri JD 1988

**Heterodermia firmula** (Nyl.) Trevis

Atti Soc. Ital. Sc. Natur, Milano 11: 615. 1868  
Park YS 1990

**Heterodermia flabellata** (Fée) D.D. Awasthi

Geophytology 3: 113. 1973  
Jayalal U et al. 2012a

**Heterodermia hypochraea** (Vain.) Swinscow & Krog 나팔그리마지의

Lichenologist 8: 119. 1976  
Moon KH 1999; Kashiwadani H et al. 2002; Wei XL et al. 2008

**Heterodermia hypoleuca** (Muhl.) Trevis. 흰배면그리마지의

Atti Soc. Ital. Sci. Nat., Modena 11: 615. 1868  
Park YS 1990; Ko MJ 1991; Moon KH et al. 1991; Huneck S et al. 1994; Moon KH 1999;  
Kashiwadani H et al. 2002; Hur JS et al. 2004a; Wei XL et al. 2008  
*Anaptychia hypoleuca* (Muhl.) A. Massal. : Ueda T 1934; Asahina Y & Sato M 1939; Sato

T 1939; Kim KS 1983; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

**Heterodermia isidiophora** (Nyl.) D.D. Awasthi 돌기그리마지의

Geophytology 3: 114. 1973

Park YS 1990; Ko MJ 1991; Huneck S et al. 1994; Moon KH 1997; Moon KH 1999;  
Kashiwadani H et al. 2002

*Anaptychia isidiophora* (Nyl.) Vain. : Ri JD 1988

**Heterodermia japonica** (M. Sato) Swinscow & Krog 검은발그리마지의

Lichenologist 8: 122. 1976

Park YS 1990; Ko MJ 1991; Moon KH 1999; Hur JS et al. 2004a; Wei XL et al. 2008

*Anaptychia japonica* (M. Sato) Kurok. : Ri JD & Hyun JG 1988; Ri JD 1988

**Heterodermia loriformis** (Kurok.) Swinscow & Krog

Lichenologist 8: 129. 1976

Park YS 1990

**Heterodermia microphylla** (Kurok.) Skorepa **f. microphylla** 분말그리마지의

Lichenologist 8: 132. 1976

Huneck S et al. 1989; Park YS 1990; Ko MJ 1991; Moon KH 1999; Hur JS et al. 2004a;  
Wei XL et al. 2008

*Anaptychia microphylla* (Kurok.) Kurok. : Kim SH 1979; Kim SH 1980; Kim SH 1981;  
Ban JW 1983; Kim KS 1983; Ri JD & Hyun JG 1988; Ri JD 1988

**Heterodermia microphylla f. granulosa** (Kurok.) J.C. Wei 과립그리마지의

An Enumeration of Lichens in China (Beijing): 111. 1991

*Anaptychia hypoleuca f. granulosa* Kurok : Kurokawa S 1959a; Ri JD 1988

**Heterodermia neglecta** Lendermer, R.C. Harris & E. Tripp

Bryologist 110: 490. 2007.

Lendermer et al. 2007

*Heterodermia propagulifera* (Vain.) J.P. Dey : Park YS 1990; Moon KH 1999

**Heterodermia obscurata** (Nyl.) Trevis. 노란배그리마지의

Nuovo Giorn. Bot., Ital. 1: 114. 1869

Kashiwadani H et al. 2002; Wei XL et al. 2008

*Anaptychia dendritica* var. *colorata* (Zahlbr.) Kurok. : Kim SH 1981

*Anaptychia heterochroa* Vain. : Kurokawa S 1960; Kurokawa S 1989

*Anaptychia obscurata* (Nyl.) Vain. : Kim SH 1980; Kim SH 1981; Ri JD 1988

**Heterodermia pandurata** (Kurok.) J.C. Wei 유사나팔그리마지의

An Enumeration of Lichens in China (Beijing): 112. 1991

*Heterodermia pandurata* (Kurok.) Trass : Moon KH 1999

**Heterodermia pseudospeciosa** (Kurok.) W.L. Culb. 산그리마지의

Bryologist 69: 484. 1967

Park YS 1990; Moon KH 1999; Kashiwadani H et al. 2002; Wei XL et al. 2008

*Anaptychia pseudospeciosa* Kurok. : Kim SH 1979; Kim SH 1980; Kim SH 1981; Ri JD 1988

**Heterodermia rubescens** (Räsänen) D.D. Awasthi

Geophytology 3: 114. 1973

Moon KH 1999

**Heterodermia subascendens** (Asahina) Trass

Folia Cryptog. Estonica 29: 20. 1992

Kashiwadani H et al. 2002; Wei XL et al. 2008

*Anaptychia subascendens* Asahina : Ri JD 1988

**Heterodermia tremulans** (Müll. Arg.) W.L. Culb. 유사산그리마지의

Bryologist 69: 485. 1967

Moon KH 1998; Moon KH 1999; Kashiwadani H et al. 2002

*Anaptychia speciosa* auct. : Ko MJ 1991; Ri JD 2000

*Anaptychia speciosa* var. *microspora* Kurok. : Kurokawa S 1959b

*Anaptychia tremulans* (Müll. Arg.) Kurok. : Ri JD 1988; Ri JD 2000

*Heterodermia speciosa* (Wulfen) Trevis. : Park YS 1990; Wei XL et al. 2008

*propagulifera* (Vain.) J.P. Dey → *Heterodermia neglecta*

*speciosa* (Wulfen) Trevis. → *Heterodermia tremulans*

**HUEELLA** Zahlbr.

*faurii* (Hue) Zahlbr. → *Vahliella leucophaea*

**HYPERPHYSICIA** Müll. Arg. 흰배지네지의속

**Hyperphyscia crocata** Kashiw. 흰배지네지의

Bull. Natn. Sci. Mus., Tokyo ser. B. 11: 92. 1985

Kashiwadani H et al. 2002

**Hyperphyscia syncolla** (Tuck. ex Nyl.) Kalb

Lichenes Neotropici, Fascicle VI (nos 201-250) (Neumarkt): no. 230. 1983  
*Physcia syncolla* Tuck. ex Nyl. : Ri JD 2000

**HYPOCENOMYCE** M. Choisy 분말비늘지의속

**Hypocenomyce scalaris** (Ach. ex Lilj.) M. Choisy 분말비늘지의

Bull. mens. Soc. linn. Soc. Bot., Lyon 20: 133. 1951  
*Lecidea scalaris* (Ach. ex Lilj.) Ach. : Ri JD 1988

**HYPOGYMNIA** (Nyl.) Nyl. 주머니지의속

**Hypogymnia delavayi** (Hue) Rass. 큰접시주머니지의

Bot. Mater. Gerb. bot. Inst. V.A. Komarova 11: 5. 1956  
Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

**Hypogymnia enteromorhoides** Elix

Brunonia 2: 190. 1980  
*Hypogymnia enteromorpha* (Ach.) Nyl. : Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

**Hypogymnia farinacea** Zopf 분말주머니지의

Justus Liebigs Ann. Chem. 352: 42. 1907  
*Hypogymnia bitteriana* (Zahlbr.) Räsänen : Ri JD 1988

**Hypogymnia fragillima** (Hillmann) Rass. 갈래주머니지의

Bot. Mater. Gerb. bot. Inst. V.A. Komarova 11: 8. 1956  
Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Ri JD 2000  
*Parmelia fragillima* Hillmann : Asahina Y 1951a; Asahina Y 1952b; Kim SH 1965

**Hypogymnia hypotrypa** (Nyl.) Rass. 리본지의

Bot. Materialy (Notul. System. E Sect. Cryptog. Inst. Bot. nomine V. L. Komarovii Acad. Scl. URSS) 11: 8. 1956  
Ri JD 1988; Ri JD 2000  
*Hypogymnia hypotrypella* (Asahina) Rass. : Ri JD & Hyun JG 1988; Ri JD 1988  
*Parmelia hypotrypa* Nyl. : Sato M 1934  
*Parmelia hypotrypella* Asahina : Asahina Y 1952b; Kim SH 1965; Kim SH 1981

**Hypogymnia metaphysodes** (Asahina) Rass.



Nov. sist. Niz. Rast. 4: 291. 1967

Kim SH 1980; Kim SH 1981; Ri JD 1988; Moon KH 1999

**Hypogymnia physodes** (L.) Nyl. 주머니지의

Lich. Envir. Paris: 39. 1896

Park ST 1976; Kim SH 1979; Kim SH 1980; Kim SH 1981; Ri JD 1988; Ri JD 2000

*Parmelia physodes* (L.) Ach. : Nakai T 1917; Sato T 1939; Kim SH 1965; Park ST 1979;

Kim SH 1981

**Hypogymnia pseudoenteromorpha** M.J. Lai 긴주머니지의

Quarterly Journal of the Taiwan Museum 33: 209. 1980

Moon KH 1999

*Hypogymnia enteromorpha* (Ach.) Nyl. : Park YS 1990

**Hypogymnia pseudophysodes** (Asahina) Rass. 유사주머니지의

Nov. sist. Niz. Rast. 4: 294. 1967

Kim SH 1980; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Moon KH 1999; Ri JD 2000

**Hypogymnia subcrustacea** (Flot.) Kurok. 흑주머니지의

Ibid. 5: 130. 1971

Moon KH 1999

**Hypogymnia subduplicata** (Rass.) Rass. 둥근갈래주머니지의

Nov. sist. Niz. Rast. 10: 1917. 1973

Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

**Hypogymnia submundata** (Oxner) Rass. 가루리본지의

Nov. sist. Niz. Rast. 4: 294. 1967

Kim SH 1980; Kim SH 1981

*Parmelia submundata* Oxner : Park ST 1979

**Hypogymnia tubulosa** (Schaer.) Hav. 과일주머니지의

Bergens Mus. Aarbog, Hefte 1, Naturvidensk. Raekke, no. 2: 31. 1918

Ri JD & Hyun JG 1988; Ri JD 1988

**Hypogymnia vittata** (Ach.) Parrique 작은리본지의

Bull. Soc. linn. Bordeaux 53: 66. 1898

Park ST 1976; Kim SH 1979; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Moon

KH 1999; Ri JD 2000; Kashiwadani H et al. 2002

*Parmelia vittata* (Ach.) Röhl. : Asahina Y & Sato M 1939; Kim SH 1965; Kim SH 1981

*Parmelia vittata* f. *vittata* (Ach.) Röhl. : Kim SH 1981

*bitteriana* (Zahlbr.) Räsänen → *Hypogymnia farinacea*

*enteromorpha* (Ach.) Nyl. → *Hypogymnia enteromorphoides* or *H. pseudoenteromorpha*

*hypotrypella* (Asahina) Rass. → *Hypogymnia hypotrypa*

## **HYPOTRACHYNA** (Vain.) Hale 쌍분지지의속

### **Hypotrachyna adducta** (Nyl.) Hale 마닐라쌍분지지의

Phytologia 28: 340. 1974

*Parmelia spectabilis* Asahina : Park ST 1979

### **Hypotrachyna crenata** (Kurok.) Hale

Phytologia 28: 341. 1974

*Parmelia crenata* Kurok. : Park ST 1979

### **Hypotrachyna exsecta** (Taylor) Hale 유사쌍분지지의

Phytologia 28: 341. 1974

*Parmelia exsecta* Taylor : Park ST 1979; Ri JD 1988; Huneck S et al. 1989

*Parmelia laevigata* auct. : Kim SH 1965

### **Hypotrachyna incognita** (Kurok.) Hale 유사이코마쌍분지지의

Phytologia 28: 341. 1974

*Parmelia incognita* Kurok. : Lee DY 1987

### **Hypotrachyna koyaensis** (Asahina) Hale 코야쌍분지지의

Smithson. Contr. Bot. 25: 44. 1975

*Parmelia koyaensis* Asahina : Park ST 1976; Park ST 1979; Kim SH 1981

### **Hypotrachyna ossealba** (Vain.) Y.S. Park & Hale 쌍분지지의

Taxon, 38: 88. 1989

Park YS 1990; Moon KH 1999; Hur JS et al. 2004a

*Parmelia formosana* Zahlbr. : Kim SH 1980; Kim SH 1981; Ko MJ 1991

### **Hypotrachyna physcioides** (Nyl.) Hale

Smithson. Contr. Bot. 25: 54. 1975

Ko MJ 1991; Moon KH et al. 1991

**Hypotrachyna pseudoformosana** (Asahina) J.C. Wei 낮은쌍분지지의

An Enumeration of Lichens in China (Beijing): 120. 1991

*Parmelia pseudoformosana* Asahina : Park ST 1979

**Hypotrachyna pseudosinuosa** (Asahina) Hale

Smithson. Contr. Bot. 25: 58. 1975

Moon KH 1999

**Hypotrachyna revoluta** (Flörke) Hale

Smithson. Contr. Bot. 25: 60. 1975

Kashiwadani H et al. 2002

**ICMADOPHILA** Trevis. 파란서리지의속

*coronata* Müll. Arg. → *Loxospora ochrophaea*

**IMSHAUGIA** S.L.F. Mey. 털이개지의속

**Imshaugia aleurites** (Ach.) S.L.F. Mey. 털이개지의

Mycologia 77: 338. 1985

Moon KH 1999

*Parmeliopsis aleurites* (Ach.) Nyl. : Kim KS 1983

*Parmeliopsis pallescens* (Hoffm.) Hillmann : Ri JD 1988

**KAROOWIA** Hale 갯바위국화잎지의

**Karowia saxeti** (Stizenb.) Hale 갯바위국화잎지의

Mycotaxon 35: 190. 1989

Lim KM et al. 2006

**LASALLIA** Mérat 큰병풍석이지의속

**Lasallia pennsylvanica** (Hoffm.) Llano 암석이불지의

A Monograph of the Lichen Family Umbilicariaceae in the Western Hemisphere: 42. 1950

Moon KH 1999; Hur JS et al. 2004a

*Umbilicaria pennsylvanica* Hoffm. : Li YJ (= Ri JD) 1986; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

**Lasallia sinorientalis** J.C. Wei 뒤하얀암석이불지의

Acta Mycol. Sin. 1: 23. 1982

Hur JS et al. 2004a

*Umbilicaria asiae-orientalis* auct. : Kim SH 1981; Li YJ (= Ri JD) 1986; Ri JD 1988

*Umbilicaria pustulata* auct. : Sato T 1937; Asahina Y & Sato M 1939; Sato T 1939; Kim SH 1981

**LECANORA** Ach. 접시지의속

**Lecanora argentata** (Ach.) Röhl.

Deutschl. Fl., Abth. 2 (Frankfurt): 82. 1813

*Lecanora argentata* auct. : Huneck S et al. 1994; Moon KH 1998

**Lecanora campestris** (Schaer.) Hue

Bull. Soc. France 35: 47. 1888

Lü L et al. 2011

**Lecanora cenisia** Ach.

Lich. Univ.: 361. 1810

Lü L et al. 2011

**Lecanora chionocarpa** Hue

Nouv. Archiv. du Museum ser. 4. 8: 242. 1907

Hue A 1915; Zahlbruckner's Catalogus; Huneck S et al. 1994; Moon KH 1998; Moon KH 1999

**Lecanora cinereofusca** H. Magn.

Meddel. Fran Goteborgs Bot., Tradgard 7: 86. 1932

Moon KH 1998; Moon KH 1999

**Lecanora fusanii** Hue [Note 4]

Annal. Mycolog. 13: 80. 1915

Hue A 1915; Sato T 1939; Ri JD 1988

*Caloplca fusanii* (Hue) Zahlbr. : Zahlbruckner's Catalogus

**Lecanora hafelliana** L. Lü, Y. Joshi & Hur

Lichenologist 43: 322. 2011

Lü L et al. 2011

**Lecanora imshaugii** Brodo

Beih. Nova Hedwigia 79: 137. 1984

Moon KH 1998; Moon KH 1999

**Lecanora iseana** Räsänen

J. Jpn. Bot. 16: 91. 1940

Moon KH 1999

**Lecanora japonica** Müll. Arg. 주황접시지의

Flora 62: 482. 1879

*Lecanora subrubra* Hue : Hue A 1915; Zahlbruckner's Catalogus; Kim SH 1981; Ri JD 1988

**Lecanora loekoesii** Y. Joshi, L. Lü, & Hur

Lichenologist 43: 324. 2011

Lü L et al. 2011

**Lecanora megalocheila** (Hue) H. Miyawaki

J. Hattori Bot. Lab. 64: 318. 1988

Huneck S et al. 1994; Moon KH 1998; Moon KH 1999

*Lecanora subfusca* var. *megalocheila* Hue : Hue A 1915

**Lecanora melacarpella** Müll. Arg.

Bull. Herb. Boissier 3: 633. 1895

Zhang LL et al. 2012

**Lecanora muralis** (Schreb.) Rabenh. 연녹주황접시지의

Deutschl. Krypt.-Fl. (Leipzig) 2: 42. 1845

Wei XL et al. 2007

**Lecanora nipponica** H. Miyaw.

J. Hattori Bot. Lab. 64: 296. 1988

Lü L et al. 2011

**Lecanora perplexa** Brodo

Beih. Nova Hedwigia 79: 148. 1984

Lü L et al. 2011

**Lecanora plumosa** Müll. Arg.

Flora 65: 484. 1882

Lü L et al. 2011

**Lecanora polytropa** (Hoffm.) Rabenh.

Deuschl. Krypt.-Fl. 2: 37. 1845

Lü L et al. 2011

**Lecanora pseudistera** Nyl.

Flora, Jena 55: 35. 1872

Zhang LL et al. 2012

**Lecanora rubina** (Vill.) Ach. 평주황접시지의

Lichenogr. univ.: 412. 1810

Sato M 1934; Ueda T 1934; Asahina Y & Sato M 1939; Sato T 1939; Sato M 1940b; Kim SH 1981; Ri JD 1988

**Lecanora sibirica** Müll. Arg. 연두사마귀지의

Flora 71: 205. 1888

*Lecanora yasudae* Vain. : Moon KH 1999

**Lecanora strobilina** (Spreng.) Kieff.

Bull. Soc. Hist. Nat. Metz 19: 74. 1895

Zhang LL et al. 2012

**Lecanora subimmergens** Vain.

Bot. Mag., Tokyo 5: 51. 1921

Moon KH 1999

**Lecanora subrugosa** Nyl.

Flora 58: 15. 1875

Lü L et al. 2011

**Lecanora sulcata** (Hue) H. Miyaw.

J. Hattori Bot. Lab. 64: 307. 1988

Lü L et al. 2011

*Lecanora subfusca* var. *sulcata* Hue : Hue A 1915

**Lecanora vulnerata** Hue [Note 4]

Annal. Mycolog. 13: 76. 1915

Hue A 1915

*Caloplaca vulnerata* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981

*adamanticola* (Hue) Zahlbr. → *Aspicilia adamanticola* ?  
*aequata* Hue → *Caloplaca cinnabarina*  
*allophana* auct. (by Kim SH 1979; Kim SH 1980; Kim SH 1981) → ?  
*asteria* (Hue) Zahlbr. → *Aspicilia asteria* ?  
*atra* Huds. → *Tephromela atra*  
*chinnampoana* (Hue) Zahlbr. → *Aspicilia chinnampoana* ?  
*cribellans* Nyl. → *Placopsis cribellans*  
*diffluens* Hue → *Caloplaca diffluens*  
*dimorphodes* (Hue) Zahlbr. → *Aspicilia dimorphodes* ?  
*exserta* (Hue) Zahlbr. → *Aspicilia exserta* ?  
*fauriana* (Hue) Zahlbr. → *Aspicilia fauriana* ?  
*geographica* (Hue) Zahlbr. → *Aspicilia geographica* ?  
*hueana* (Vain.) Hue → *Rinodina oreina* var. *hueana*  
*hueana* f. *microcarpa* Hue → *Rinodina oreina* var. *hueana* f. *microcarpa*  
*leucera* (Hue) Zahlbr. → *Aspicilia leucera* ?  
*membranifera* Hue → *Rinodina membranifera*  
*microsporeta* (Hue) Zahlbr. → *Aspicilia microsporeta* ?  
*oreina* (Ach.) Ach. → *Dimelaena oreina* ?  
*pachycheila* Hue (by Hue A 1915; Zahlbruckner's Catalogus 1928; Kim SH 1981; Ri JD 1988) → ?  
*stellata* (Hue) Zahlbr. → *Aspicilia stellata* ?  
*stenospora* (Hue) Zahlbr. → *Aspicilia stenospora* ?  
*subfusca* auct. (by Kim SH 1981; Ri JD 1988; Huneck S et al. 1989) → *Lecanora* spp.  
*subfusca* var. *megaloscheila* Hue → *Lecanora megaloscheila*  
*subfusca* var. *microcheila* Hue (by Hue A 1915; Kim SH 1981) → ?  
*subfusca* var. *sulcata* Hue → *Lecanora sulcata*  
*subrubra* Hue → *Lecanora japonica*  
*tofacea* (Hue) Zahlbr. → *Aspicilia tofacea* ?  
*tumens* (Hue) Zahlbr. → *Aspicilia tumens* ?  
*umbrinella* (Hue) Zahlbr. → *Aspicilia umbrinella* ?  
*vulcanorum* (Hue) Zahlbr. → *Aspicilia vulcanica* ?  
*yasudae* Vain. → *Lecanora sibirica*

## **LECIDEA** Ach. 검은테접시지의속

### **Lecidea albofuscescens** Nyl.

Flora, Jena 50: 370. 1803

Moon KH 1999

**Lecidea atroviridis** (Arnold) Th. Fr.

Lichenogr. Scandin. (Uppsala) 1: 472. 1874

Moon KH 1999

**Lecidea helvola** (Körb. ex Hellb.) Th. Fr.

Lichenogr. Scandin. (Uppsala) 1: 429. 1874

*Biatora helvola* Körb. ex Hellb. : Moon KH 1999

**Lecidea lacinulata** Hue [Note 5]

Nouv. Archiv. du Museum ser. 5. 3: 181. 1913

Hue A 1913

*Caloplaca lacinulata* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981

**Lecidea roseotincta** Coppins & Tønsberg

Nordic J Bot. 8: 415. 1988

Thor G et al. 2005b

**Lecidea varians** Ach.

Syn. meth. lich. (Lund): 38. 1814

Zhang LL et al. 2012

*albocaerulescens* (Wulfen) Ach. → *Porpidia albocaerulescens*

*atramentaria* Hue → *Caloplaca atramentaria*

*coaddita* Nyl. → *Caloplaca coaddita*

*granuligera* Hue → *Caloplaca granuligera*

*hexaspora* Hue → *Caloplaca hexaspora*

*injucunda* Hue → *Caloplaca injucunda*

*multicolor* Hue → *Caloplaca multicolor*

*scalaris* (Ach. ex Lilj.) Ach. → *Hypocenomyce scalaris*

**LECIDELLA** Körb. 흑갈색흑지의속

**Lecidella asema** (Nyl.) Knoph & Hertel

Biblioth. Lichenol. 36: 66. 1990

Zhang LL et al. 2012



**Lecidella elaeochroma** (Ach.) M. Choisy 흑갈색흑지의

Bull. mens. Soc. linn. Soc. Bot., Lyon 19: 19. 1950

Moon KH 1998; Moon KH 1999

**Lecidella enteroleucella** (Nyl.) Hertel

Khumbu Himal 6: 330. 1977

Zhang LL et al. 2012

**Lecidella euphorea** (Florke) Hertel

in Hawksworth, James & Coppins, Lichenologist 12: 107. 1980

Moon KH 1999

**Lecidella oceanica** Lu.L. Zhang & Xin Y. Wang

Bryologist 115: 330. 2012

Zhang LL et al. 2012

**Lecidella sendaiensis** (Zahlbr.) Knoph & Leuckert

Progr. Probl. Lichenol. Nineties. Proc. Third Symp. Intern. Assoc. Lichenol., Bibliothca  
Lichenol. 68: 131. 1997

Moon KH 1998

**LEMPHOLEMMA** Körb.

**Lempholemma vesiculiferum** Henssen

Lichenologist 4: 99. 1969

Schults M & Moon KH 2011

**LEPRARIA** Ach. 가루지의속

**Lepraria caesiella** R.C. Harris

in Lendemer, Opuscula Philolichenum 2: 51. 2005

Joshi Y et al. 2010h

**Lepraria caesioalba** var. **caesioalba** (B. de Lesd.) J.R. Laundon

Lichenologist 24: 324. 1992

Joshi Y et al. 2010h

**Lepraria celata** Slav.-Bay.

Lichenologist 38: 504. 2006

Joshi Y et al. 2010h

**Lepraria coriensis** (Hue) Sipman

Herzogia 17: 28. 2004

Joshi Y et al. 2010h

*Crocynia coriensis* Hue : Hue A 1924; Kim SH 1981

**Lepraria diffusa** (J.R. Laundon) Kukwa

Ann. bot. fenn. 39: 226. 2002

Joshi Y et al. 2010h

**Lepraria eburnea** J.R. Laundon

Sommerfeltia 14: 196. 1992

Joshi Y et al. 2010h

**Lepraria jackii** Tønsberg

Sommerfeltia 14: 200. 1992

Joshi Y et al. 2010h

**Lepraria leprolomopsis** Diederich & Sérus.

Bibliothca Lichenol. 64: 76. 1997

Joshi Y et al. 2010h

**Lepraria leuckertiana** (Zedda) L. Saag

Lichenologist 41: 41. 2009

Joshi Y et al. 2010h

**Lepraria lobata** Elix & Kalb

Mycotaxon 94: 220. 2006

Joshi Y et al. 2010h

**Lepraria lobificans** Nyl.

Flora, Jena 56: 196. 1873

Joshi Y et al. 2010h

**Lepraria membranacea** (Dicks.) Vain 유사습지의

Acta Soc. Fauna Flora fenn. 49: 265. 1921

Joshi Y et al. 2010h

**Lepraria neglecta** (Nyl.) Erichsen

Flechtenflora von Nordwestdeutschland: 394. 1957

Joshi Y et al. 2010h

**Lepraria pallida** Sipman

Herzogia 17: 33. 2004

Kukwa & Flakus 2009; Joshi Y et al. 2010h

**Lepraria texta** K. Knudsen, Elix & Lendemer

Lichen Flora of Greater Sonoran Desert Region 3: 387. 2007

Joshi Y et al. 2010h

**Lepraria vouauxii** (Hue) R.C. Harris

in Egan, Bryologist 90: 163. 1987

Joshi Y et al. 2010h

**Lepraria xerophila** Tønsberg

Lichen Flora of Greater Sonoran Desert Region 2: 328. 2004

Joshi Y et al. 2010h

**LEPROCAULON** Nyl. 작은나무지의속

**Leprocaulon arbuscula** (Nyl.) Nyl. 작은나무지의

in Hue, Nouv. Arch. Mus. Hist. Nat., Paris 3 Sér. 4: 134. 1892

Moon KH 1998; Moon KH 1999; Hur JS et al. 2004a

**LEPTOGIUM** (Ach.) Gray 잿빛김지의속

**Leptogium azureum** (Sw. ex Ach.) Mont. 잿빛김지의

in Webb & Berthold, Hist. Nat. Iles Canar. 3: 129. 1840

Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Moon KH 1999

**Leptogium burnetiae** C.W. Dodge 돌기넷물잿빛김지의

Beih. Nova. Hedwigia 12: 120. 1964

Kim KS 1983; Huneck S et al. 1994; Moon KH 1997; Moon KH 1999; Kashiwadani H et al.

2002; Hur JS et al. 2004a

*Leptogium hirsutum* Sierk : Park YS 1990

**Leptogium cochleatum** (Dicks.) P.M. Jørg. & P. James

Lichenologist 15: 113. 1983

*Leptogium tremelloides* (L. f.) Gray : Ban JW 1983; Ri JD 1988

**Leptogium cyanescens** (Pers.) Körb. 청잣빛김지의

Syst. Lich. Germ. (Breslau): 420. 1855

Kim SH 1980; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990;

Huneck S et al. 1994; Moon KH 1999; Ri JD 2000; Kashiwadani H et al. 2002

**Leptogium delavayi** Hue 깊은산나무잣빛김지의

Bull. Soc. Bot. France 36: 158. 1889

Ri JD 1988

**Leptogium hildenbrandii** (Garov.) Körb. 건조잣빛김지의

Act. Soc. linn. Bordeaux, Trois. sér. 21: 272. 1856

Ri JD & Hyun JG 1988; Ri JD 1988; Moon KH 1997; Moon KH 1999; Ri JD 2000

**Leptogium moluccanum** (Pers.) Vain. **var. moluccanum** 얇은잣빛김지의

Acta Soc. Fauna Flora fenn. 7: 223. 1890

Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Kashiwadani H et al. 2002

**Leptogium moluccanum var. myriophyllum** (Müll. Arg.) Asahina 나플나플잣빛김지의

J. Jpn. Bot. 8: 28. 1932

Ri JD 1988; Huneck S et al. 1989; Moon KH 1997; Moon KH 1999; Kashiwadani H et al. 2002

**Leptogium pedicellatum** P.M. Jørg. 청건조잣빛김지의

Herzogia 3: 448. 1975

Huneck S et al. 1989; Moon KH 1997; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a

*Leptogium menziesii* (Sm.) Mont. : Kim SH 1979; Kim SH 1980; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Ri JD 2000

**Leptogium pulchellum** (Ach.) Nyl. 거품잣빛김지의

Mém. Soc. Imp. Sci. Nat. Cherbourg 5: 90. 1857

*Collema pulcellum* Ach. : Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD & Chong YH 1990; Ri JD 2000

**Leptogium rugosum** Sierk 주름잣빛김지의

Bryologist 67: 265. 1964  
Moon KH 1999

**Leptogium saturninum** (Dicks.) Nyl. 날알젯빛김지의

Act. Soc. Linn. Bordeaux 21: 272. 1856

Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Moon KH 1999; Ri JD 2000

*hirsutum* Sierk → *Leptogium burnetiae*

*menziesii* (Sm.) Mont. → *Leptogium pedicellatum*

*tremelloides* (L. f.) Gray → *Leptogium cochleatum*

**LEUCODECTON** A. Massal.

*desquamescens* (Vain.) Lücking → *Thelotrema desquamescens*

**LICHINELLA** Nyl.

**Lichinella japonica** H. Harada & Henssen

Lichenologist 19: 289. 1987

Schults M & Moon KH 2011

**LITHOTHELIUM** Müll. Arg. 작은갓웃비늘지의속

**Lithothelium japonicum** H. Harada 작은갓웃비늘지의

Bryologist 100: 204. 1997

Moon KH & Aptroot A 2009

**Lithothelium obtectum** (Müll. Arg.) Aptroot

Bibliotheca Lichenol. 44: 62. 1991

Moon KH & Aptroot A 2009

**LOBARIA** (Schreb.) Hoffm. 투구지의속

**Lobaria adscripturiens** (Nyl.) Hue 갓웃지의

Nouv. Archiv. du Museum ser. 4. 2: 27. 1900

Ri JD 1988; Park YS 1990; Moon KH 1999; Ren MR et al. 2012

**Lobaria crassior** Vain. 후엽갓웃지의

Botan. Magaz., Tokyo 35: 64. 1921

Ri JD 1988

**Lobaria discolor** (Bory) Hue 맨들지의

Nouv. Archiv. du Museum, d'Histoire Naturelle, Paris 4 serie 3: 23. 1901

Ri JD 1988; Huneck S et al. 1994; Moon KH 1999; Kashiwadani H et al. 2002; Ren MR et al. 2012

**Lobaria isidiophora** Yoshim. 나플나플투구지의

J. Hattori bot. Lab. 34: 276. 1971

Ri JD & Hyun JG 1988; Ri JD 1988

**Lobaria isidiosa** (Müll. Arg.) Vain. 남빛투구지의

Philipp. J. Sci., C, Bot. 8: 129. 1913

Ri JD 1988; Huneck S et al. 1994; Moon KH 1999; Ren MR et al. 2012

**Lobaria japonica** (Zahlbr.) Asahina 푸석푸석맨들지의

J. Jpn. Bot. 9: 450. 1933

Park YS 1990; Moon KH 1999; Hur JS et al. 2004a; Ren MR et al. 2012

**Lobaria kurokawae** Yoshim. 유사투구지의

J. Hattori Bot. Lab. 34: 297. 1971

Ri JD 1988; Huneck S et al. 1994; Ri JD 2000

**Lobaria linita** (Ach.) Rabh. 얇은투구지의

Deutschl. Krypt.-Fl. (Leipzig) 2: 65. 1845

Kim SH 1980; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Moon KH 1999; Ren MR et al. 2012

*Lobaria linita* var. *tenuior* (Hue) Asahina : Kim SH 1981

*Lobaria pulmonaria* var. *tenuior* Hue : Kim SH 1981

*Sticta pulmonacea* auct. : Nakai T 1917; Sato T 1939; Kim SH 1981

**Lobaria meridionalis** Vain. 윤나는앞투구지의

Philipp. J. Sci., C, Bot. 8: 128. 1913

Ri JD 1988; Park YS 1990; Moon KH 1999; Ren MR et al. 2012

*Lobaria meridionalis* var. *subplana* (Asahina) Yoshim : Ban JW 1983

*Lobaria pulmonaria* var. *meridionalis* Vain. : Asahina Y 1949; Lee YN & Ju SW 1956; Kim SH 1981

**Lobaria orientalis** (Asahina) Yoshim. 민투구지의

J. Hattori Bot. Lab. 32: 75. 1969

Kim SH 1979; Kim SH 1980; Kim SH 1981; Ban JW 1983; Ri JD & Hyun JG 1988; Ri JD 1988

**Lobaria pseudopulmonaria** Gyeln. 좁은잎투구지의

Acta Faun. Et Flor. Univers. 2: 6. 1933

Huneck S et al. 1994

**Lobaria pulmonaria** (L.) Hoffm. 분말투구지의

Deutschl. Fl., Zweiter Theil (Erlangen): 146. 1796

Tou JB 1935; Sato T 1939; Kim SH 1981; Kim KS 1983; Ri JD & Hyun JG 1988; Ri JD 1988

**Lobaria quercizans** Michx. 민땃한맨들지의

Fl. Boreali-Americ.: 324. 1820

Ri JD 1988; Park YS 1990; Moon KH 1999; Ren MR et al. 2012

**Lobaria retigera** (Bory) Trevis **var. retigera** 사슴뿔투구지의

Lichenoth. Veneta 1-2: no. 75. 1869

Tou JB 1935; Sato T 1939; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Moon KH 1999; Ri JD 2000; Kashiwadani H et al. 2002; Ren MR et al. 2012

**Lobaria retigera var. subsidiosa** (Asahina) Yoshim. 유사과립투구지의

Miscnea Bryol. Lichen., Michigan 6: 135. 1974

Kashiwadani H et al. 2002

**Lobaria sachalinensis** Asahina 사할린투구지의

J. Jpn. Bot. 23: 68. 1949

Ri JD 1988

**Lobaria scrobiculata** (Scop.) P. Gaertn.

in Lamarck & de Candolle, Fl. franç., Edn 3 (Paris) 2: 402. 1805

*Pseudocyphellaria scrobiculata* (Scop.) J. Blum : Ri JD 1988

**Lobaria scrobiculata** (Scop.) DC. 켓빛투구지의

in Lamarck & de Candolle, Fl. franç., Edn 3 (Paris) 2: 402. 1805

*Pseudocyphellaria scrobiculata* (Scop.) J. Blum : Ri JD 1988

**Lobaria spathulata** (Inumaru) Yoshim. 주걱모양투구지의

J. Hattori Bot. Lab. 34: 278. 1971

Kim SH 1980; Kim SH 1981; Ri JD 1988; Huneck S et al. 1989; Park YS 1990; Moon KH 1999; Hur JS et al. 2004a; Ren MR et al. 2012

**Lobaria tuberculata** Yoshim. 과립투구지의

J. Hattori Bot. Lab. 34 : 280. 1971

Ri JD & Hyun JG 1988; Ri JD 1988

*linita* var. *tenuior* (Hue) Asahina → *Lobaria linita*

*meridionalis* var. *subplana* (Asahina) Yoshim. → *Lobaria meridionalis*

*pulmonaria* var. *meridionalis* Vain. → *Lobaria meridionalis*

*pulmonaria* var. *papillaris* auct. (by Ri JD 1988) → *Lobaria meridionalis* or *L. isidiophora*

*pulmonaria* var. *tenuior* Hue → *Lobaria linita*

**LOBOTHALLIA** (Clauzade & Cl. Roux) Hafellner 비늘오목지의속

**Lobothallia alphoplaca** (Wahlenb.) Hafellner 비늘오목지의

Acta bot. Malac. 16: 138. 1991

Moon KH & Kashiwadani H 2009

**LOXOSPORA** A. Massal. 주황석류지의속

**Loxospora ochrophaea** (Tuck.) R.C. Harris 주황석류지의

in Egan, Bryologist 93: 217. 1990

*Haematomma ochrophaeum* (Tuck.) A. Massal. : Kim SH 1980; Kim SH 1981; Ri JD 1988

*Icmadophila coronata* Müll. Arg. : Takenaka K 1933; Sato T 1939; Kim SH 1981

**MASSALONGIA** Körb.

*faurii* (Hue) Zahlbr. → *Vahliella leucophaea*

**MEGALOSPORA** Meyen 솟별지의속

**Megalospora atrorubicans subsp. sendaiensis** (Räsänen) Sipmann 솟별지의

Bibliothca. Lichenol. 18: 99. 1983

*Megalospora marginiflexa* (Taylor) Zahlbr. : Kim SH 1980; Kim SH 1981

**Megalospora sulphurata** Meyen 절구나무솟별지의



Nova Acta Acad. Caes. Leop. Carol. Nat. Cur. Dresden 19 (suppl. 1): 228. 1843  
Huneck S et al. 1994

**Megalospora tuberculosa** (Fée) Sipman 이끼위숫별지의

Bibliothca Lichenol. 18: 156. 1983  
Moon KH 1999

*marginiflexa* (Taylor) Zahlbr. → *Megalospora atrorubicans* subsp. *sendaiensis*

**MEGALOTREMIS** Aptroot

**Megalotremis verrucosa** (Makhija & Patw.) Aptroot

Bibliothca Lichenol. 44: 126. 1991  
Moon KH & Aptroot A 2009

**MELANELIA** Essl. 봉우리지의속

**Melanelia hepatizon** (Ach.) A. Thell 유사높은봉우리지의

Nova Hedwigia 60: 419. 1995  
*Cetraria hepatizon* (Ach.) Vain. : Park ST 1976; Kim SH 1981; Ri JD & Hyun JG 1988;  
Ri JD 1988  
*Tuckermannopsis hepatizon* (Ach.) Kurok. : Moon KH 1999

**Melanelia stygia** (L.) Essl. 높은봉우리지의

Mycotaxon 7: 47. 1978  
Moon KH 1999  
*Parmelia stygia* (L.) Ach. : Takenaka K 1933; Sato T 1939; Kim SH 1965; Park ST 1976;  
Kim SH 1981; Ri JD 1988

*huei* (Asahina) Essl. → *Melanelixia huei*  
*olivacea* (L.) Essl. → *Melanohalea olivacea*

**MELANELIXIA** O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. & Lumbsch  
낮은올리브지의속

**Melanelixia huei** (Asahina) O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. &  
Lumbsch 낮은올리브지의

Mycol. Res. 108: 882. 2004

*Melanelia huei* (Asahina) Essl. : Park YS 1990; Moon KH 1999

**MELANOHALEA** O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. & Lumbsch  
올리브지의속

**Melanohalea olivacea** (L.) O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. &  
Lumbsch 올리브지의

Mycol. Res. 108: 883. 2004

*Melanelia olivacea* (L.) Essl. : Park YS 1990; Moon KH 1999

*Parmelia olivacea* (L.) Ach. : Ueda T 1934; Sato T 1939; Kim SH 1965; Kim SH 1981;  
Lee DY 1987; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

*Parmelia olivacea* var. *albopunctata* (Asahina) Ahti : Kim SH 1979

**MENEGAZZIA** A. Massal. 천공지의속

**Menegazzia anteforata** Aptroot, M.J. Lai & Sparrius 대롱지의

Bryologist 106: 158. 2003

Moon KH 2011

**Menegazzia nipponica** K.H. Moon, Kurok. & Kashiw. 분말대롱지의

J. Jpn. Bot. 81: 130. 2006

Moon KH 2011

*Menegazzia asahinae* auct. : Ri JD 1988; Park YS 1990

*Parmelia asahinae* auct. : Kim SH 1965

**Menegazzia primaria** Aptroot, M.J. Lai & Sparrius 민뿔한대롱지의

Bryologist 106: 159. 2003

Moon KH et al. 2006; Moon KH 2011

**Menegazzia terebrata** (Hoffm.) A. Massal. 천공지의

Neogenea Lich: 1. 1854

Kim SH 1980; Kim SH 1981; Kim KS 1983; Ri JD 1988; Park YS 1990; Huneck S et al.  
1994; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Moon KH et al.  
2006; Moon KH 2011

*Menegazzia pertusa* (Schaer.) J. Steiner : Ri JD & Hyun JG 1988

*Parmelia pertusa* Schaer. : Nakai T 1917; Sato T 1939; Kim SH 1965

*Parmelia pertusa* var. *pertusa* Schaer. : Kim SH 1981

*asahinae* auct. → *Menegazzia nipponica*  
*pertusa* (Schaer.) J. Steiner → *Menegazzia terebrata*

## **MICAREA** Fr.

**Micarea elachista** (Körb.) Coppins & R. Sant.  
Bull. Br. Mus. nat. Hist., Bot. 11: 131. 1983  
Joshi Y et al. 2011c

## **MICROCALICIUM** Vain. 미세편지의속

**Microcalicium disseminatum** (Ach.) Vain.  
Acta Soc. Fauna Flora fenn. 57: 77. 1927  
Thor G et al. 2008  
*Microcalicium subpedicellatum* (Schaer.) Tibell : Thor G et al. 2005a  
  
*subpedicellatum* (Schaer.) Tibell → *Microcalicium disseminatum*

## **MYCOBILIMBIA** Rehm

**Mycobilimbia philippina** (Vain.) D.D. Awasthi  
Proc. Indian Acad. Sci., Pl. Sci. 97: 501. 1987  
Joshi S & Hur JS 2012c

## **MYCOBLASTUS** Norman 흑적지의속

**Mycoblastus japonicus** Müll. Arg. 흑적지의  
Nuovo Giorn. Bot., Ital. 23: 128. 1891  
Ri JD 2000

**Mycoblastus sanguinarius** (L.) Norman  
Zahlbr. Cat. Lich. Univers. 4: 5. 1926  
Joshi Y et al. 2011c

## **MYCOGLAENA** Höhn.

**Mycoglaena myricae** (Nyl.) R.C. Harris  
Michigan Bot. 12: 29. 1973

Moon KH & Aptroot A 2009

## **MYCOMICROTHELIA** Keissl.

**Mycomicrothelia modesta** (Müll. Arg.) D. Hawksw.

Bull. Br. Mus. nat. Hist., Bot. 14: 104. 1985

Moon KH & Aptroot A 2009

## **MYCOPORUM** Flot. ex Nyl.

**Mycoporum eschweileri** (Müll. Arg.) R.C. Harris

More Florida Lichens, Incl. 10 Cent Tour Pyrenol. (New York): 69. 1995

Moon KH & Aptroot A 2009

## **MYELOCHROA** (Asahina) Elix & Hale 노란속매화나무지의속

**Myelochroa aurulenta** (Tuck.) Elix & Hale 분말노란속매화나무지의

Mycotaxon 29: 240. 1987

Park YS 1990; Moon KH 1997; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Jayalal U et al. 2012d

*Myelochroa coreana* Y.S. Park : Park YS 1990

*Parmelina aurulenta* (Tuck.) Hale : Hale 1976

*Parmelia aurulenta* Tuck. : Park ST 1979; Lee DY 1987; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

**Myelochroa denegans** (Nyl.) Elix & Hale 붉은노란속매화나무지의

Mycotaxon 29: 240. 1987

*Parmelia denegans* Nyl. : Cho SS & Lee YN 1980

**Myelochroa entotheiochroa** (Hue) Elix & Hale 너덜너덜노란속매화나무지의

Mycotaxon 29: 240. 1987

Park YS 1990; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Jayalal U et al. 2012d

*Myelochroa rhytidodes* (Hue) Elix & Hale : Park YS 1990

*Parmelina entotheiochroa* (Hue) Hale : Hale 1976

*Parmelia entotheiochroa* Hue : Asahina Y 1951b; Asahina Y 1952b; Kim SH 1965; Park ST 1976; Kim SH 1979; Cho SS & Lee YN 1980; Kim SH 1980; Kim SH 1981; Lee DY 1987; Ri JD 1988; Huneck S et al. 1989

**Myelochroa galbina** (Ach.) Elix & Hale 덩이줄기세포노란속매화나무지의

Mycotaxon 29: 240. 1987

Park YS 1990; Moon KH 1999; Kashiwadani H et al. 2002; Jayalal U et al. 2012d

*Parmelia galbina* Ach. : Lee DY 1987

**Myelochroa hayachinensis** (Kurok.) Elix & Hale 하야치네노란속매화나무지의

Mycotaxon 29: 240. 1987

Park YS 1990; Moon KH 1998; Kashiwadani H et al. 2002; Jayalal U et al. 2012d

**Myelochroa indica** (Hale) Elix & Hale

Mycotaxon 29: 241. 1987

Park YS 1990; Jayalal U et al. 2012d

**Myelochroa irrugans** (Nyl.) Elix & Hale 노란속매화나무지의

Mycotaxon 29: 241. 1987

Park YS 1990; Moon KH 1997; Moon KH 1998; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Jayalal U et al. 2012d

*Myelochroa crassata* (Hale) Elix & Hale : Park YS 1990

*Myelochroa subaurulenta* (Nyl.) Elix & Hale : Park YS 1990; Huneck S et al. 1994

*Parmelia homogenes* Nyl. : Kim SH 1965; Cho SS & Lee YN 1980; Ri JD 1988

*Parmelia irrugans* Nyl. : Lee DY 1987

*Parmelia subaurulenta* Nyl. : Asahina Y 1951b; Kim SH 1965; Park ST 1976; Kim SH 1979; Cho SS & Lee YN 1980; Kim SH 1980; Ban JW 1983; Lee DY 1987; Ri JD 1988

**Myelochroa leucotyiza** (Nyl.) Elix & Hale 음지노란속매화나무지의

Mycotaxon 29: 241. 1987

Park YS 1990; Moon KH 1998; Moon KH 1999; Kashiwadani H et al. 2002; Jayalal U et al. 2012d

*Parmelia leucotyiza* Nyl. : Lee DY 1987

**Myelochroa metarevoluta** (Asahina) Elix & Hale 분말덩이줄기세포노란속매화나무지의

Mycotaxon 29: 241. 1987

Moon KH 1999

**Myelochroa perisidians** (Nyl.) Elix & Hale 돌지노란속매화나무지의

Mycotaxon 29: 241. 1987

Jayalal U et al. 2012d

*Parmelia perisidians* Nyl. : Lee DY 1987

*Parmelia subsulphurata* Asahina : Kim SH 1965; Kim SH 1980; Kim SH 1981; Kim KS 1983;

Ri JD 1988

**Myelochroa xantholepis** (Mont. & Bosch) Elix & Hale

Mycotaxon 29: 241. 1987

Jayalal U et al. 2012d

*coreana* Y.S. Park → *Myelochroa aurulenta*

*crassata* (Hale) Elix & Hale → *Myelochroa irrugans*

*rhytidodes* (Hale) Elix & Hale → *Myelochroa entotheiochroa*

*subaurulenta* (Nyl.) Elix & Hale → *Myelochroa irrugans*

**NEOCATAPYRENIUM** H. Harada 신구멍비늘지의속

**Neocatapyrenium cladonioideum** (Vain.) H. Harada 신구멍비늘지의

Nat. Hist. Res. 2: 129. 1993

Huneck S et al. 1994; Hur JS et al. 2004c

*Dermatocarpon myogiense* Asahina : Sato M 1939; Kim SH 1981; Ri JD 1988; Park YS 1990

**NEPHROMA** Ach. 뒷손톱지의속

**Nephroma arcticum** (L.) Torss 깊은산뒷손톱지의

Enum. Lich. Byssac. Scandin.: 7. 1843

Ri JD 1979; Ri JD 1988

**Nephroma bellum** (Spreng.) Tuck 민뒷손톱지의

Boston J. Nat. Hist. 3: 293. 1841

Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000; Hur JS et al. 2004a; Hur JS et al. 2004b

**Nephroma helveticum** Ach. 유사뒷손톱지의

Lich. Univ.: 530. 1810

Ri JD 1979; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Moon KH 1999; Ri JD 2000; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Hur JS et al. 2004b

**Nephroma laevigatum** Ach. 뒷손톱지의

Syn. meth. lich. (Lund): 242. 1814

Ri JD 1979; Ri JD 1988

**Nephroma parile** (Ach.) Ach. 가루뿔손톱지의

Lich. Univ.: 522. 1810

Ri JD 1979; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Hur JS et al. 2004a; Hur JS et al. 2004b

**Nephroma resupinatum** (L.) Ach. 털뿔손톱지의

Lich. Univ.: 521. 1810

Ri JD 1979; Ban JW 1983; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Ri JD 2000; Hur JS et al. 2004b

*Nephroma bellum* var. *filarszkyanum* (Gyeln.) Domb. : Ri JD 1988

*Nephroma filarszkyanum* var. *euvulgare* Gyeln. : Ri JD 1979; Kim SH 1981

**Nephroma servitianum** Gyeln. 음지뿔손톱지의

Annal. Cryptog. Exot. 4: 139. 1932

Park YS 1990; Hur JS et al. 2004b

**Nephroma tropicum** (Müll. Arg.) Zahlbr. 툇뿔손톱지의

Flora, Regensburg 66: 21. 1883

Ri JD & Hyun JG 1988; Hur JS et al. 2004b

*bellum* var. *filarszkyanum* (Gyeln.) Domb. → *Nephroma resupinatum*

*filarszkyanum* var. *euvulgare* Gyeln. → *Nephroma resupinatum*

**NEPHROMOPSIS** Müll. Arg. 큰전복지의속

**Nephromopsis laii** (A. Thell & Randlane) Saag & A. Thell

Bryologist 100: 111. 1997

*Cetrariopsis wallichiana* (Taylor) Kurok. : Park YS 1990

**Nephromopsis nephromoides** (Nyl.) Ahti & Randlane 큰전복지의속

Cryptog. Bryol.-Lichénol. 19: 183. 1998

*Cetraria nephromoides* (Nyl.) Vain. : Ri JD 1988

**Nephromopsis ornata** (Müll. Arg.) Hue 노란속큰전복지의

Park YS 1990; Moon KH 1999

*Cetraria ornata* Müll. Arg. : Park ST 1976; Kim SH 1979; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

**Nephromopsis pallescens** (Schaer.) Y.S. Park 레몬큰전복지의

Bryologist 93: 122. 1990

Park YS 1990; Moon KH 1999

*Cetraria pallescens* Schaer. : Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

*Cetraria wallichiana* auct. : Ri JD 1988; Ri JD 2000

**Nephromopsis stracheyi** (C. Bab.) Müll. Arg.

Flora, Jena 74. 1891

Park YS 1990

*asahinae* (M. Satô) Räsänen → *Cetrellopsis asahinae*

*pseudocomplicata* (Asahina) M.J. Lai → *Tuckneraria pseudocomplicata*

**NIPPONOPARMELIA** K.H. Moon, Y. Ohmura & Kashiw. 동아시아당초무늬지의속

**Nipponoparmelia isidioclada** (Vain) K.H. Moon, Y. Ohmura & Kashiw. 돌기동아시아당초무늬지의

in Crespo et al., Taxon 59: 1749. 2010

*Parmelia isidioclada* Vain. : Moon KH 1999

*Parmelia yasudae* Räsänen : Kim SH 1965

**Nipponoparmelia pseudolaevior** (Asahina) K.H. Moon, Y. Ohmura & Kashiw. 나플나플동아시아당초무늬지의

in Crespo et al., Taxon 59: 1749. 2010

*Parmelia pseudolaevior* Asahina : Park ST 1976; Kim SH 1981; Lee DY 1987; Park YS

1990; Moon KH 1999; Hur JS et al. 2004a

**NORMANDINA** Nyl. 귀이개지의속

**Normandina pulchella** (Borrer) Nyl. 귀이개지의

Anns Sci. Nat. Bot. sér. 4. 15: 382. 1861

Park YS 1990; Moon KH 1999; Kashiwadani H et al. 2002

**OCHROLECHIA** A. Massal. 살색사마귀지의속

**Ochrolechia akagiensis** Yasuda & Vain. 성긴살색사마귀지의

Botan. Magaz., Tokyo 35: 54. 1921

Ri JD & Hyun JG 1988; Ri JD 1988



**Ochrolechia androgyna** (Hoffm.) Arnold

Flora, Regensburg 68: 236. 1885

Huneck S et al. 1994

**Ochrolechia parella** (L.) A. Massal. 살색사마귀지의

Ric. auton. lich. crost. (Verona): 30. 1852

Ri JD & Hyun JG 1988

**Ochrolechia parellula** (Müll. Arg.) Zahlbr. 유사살색사마귀지의

Zahlbr. Cat. Lich. Univ. 5: 693. 1928

Moon KH 1999

**Ochrolechia tartarea** (L.) A. Massal.

Ric. auton. lich. crost. (Verona): 30. 1852

Zhang LL et al. 2012

**Ochrolechia trochophora** (Vain.) Oshio 나무살색사마귀지의

J. Sci. Hiroshima Univ. ser. B. div. 2. 12: 145. 1968

Ri JD & Hyun JG 1988; Ri JD 1988; Huneck S et al. 1989; Moon KH 1998; Moon KH 1999; Ri JD 2000

**Ochrolechia upsaliensis** (L.) A. Massal.

Ric. auton. lich. crost. (Verona): 31. 1852

Ri JD 2000

**Ochrolechia yasudae** Vain. 야스다살색사마귀지의

Bot. Mag., Tokyo 32: 155. 1918

Ri JD 1988; Moon KH 1999

**OPEGRAPHA** Humb.

**Opegrapha herbarum** Mont.

in Guillemin, Arch. Bot. (Forli) 2: 302. 1833

Joshi S et al. 2012a

**Opegrapha viridis** (Ach.) Nyl.

Synopsis Methodica Lichenum. : 73. 1814

Joshi S et al. 2012a

**OPHIOPARMA** Norman 돌석류지의속

**Ophioparma lapponica** (Räsänen) Hafellner & R.W. Rogers 돌석류지의

Lichenologist 20: 173. 1988

*Haematomma lapponicum* Räsänen : Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

**OROPOGON** Th. Fr. 심산수염지의속

**Oropogon asiaticus** Asahina 심산수염지의

J. Jpn. Bot. 13: 596. 1937

Park YS 1990; Moon KH 1999

**OXNERIA** S.Y. Kondr. & Kärnefelt

**Oxneria fallax** (Arnold) S.Y. Kondr. & Kärnefelt 붉은춧농지의

Ukr. bot. Zh. 60: 431. 2003

*Xanthoria fallax* (Hepp ex Arnold) Arnold : Ri JD & Hyun JG 1988; Ri JD 1988; Moon KH 1999

**PACHYPHIALE** Lönnr. 개절구지의속

**Pachyphiale carneola** (Ach.) Arnold 개절구지의

Flora, Jena 54: 50. 1871

Moon KH 1999

**PANNARIA** Delise ex Bory 꽃잎지의속

**Pannaria asahinae** P.M. Jørg. 꽃잎지의

J. Jpn. Bot. 76: 1. 2001

*Pannaria rubiginosa* auct : Ri JD & Hyun JG 1988; Park YS 1990; Moon KH 1999

**Pannaria conoplea** (Ach.) Bory 분말꽃잎지의

Dict. Class. Hist. Nat. 13: 20. 1828

Park YS 1990; Moon KH 1999; Hur JS et al. 2004a

*Pannaria pityrea* auct. : Kim SH 1979; Kim SH 1980; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Huneck S et al. 1989

**Pannaria globigera** Hue 방울꽃잎지의

Nouv. Archiv. du Museum ser. 4. 10: 181. 1909  
Zahlbruckner's Catalogus; Kim SH 1981; Kashiwadani H et al. 2002

**Pannaria insularis** P.M. Jørg. & Kashiw. 비늘꽃잎지의  
J. Jpn. Bot. 76: 6. 2001  
Kashiwadani H et al. 2002

**Pannaria lurida** (Mont.) Nyl. 꽃잎지의  
Mém. Soc. Imp. Sci. Nat. Cherbourg 5: 109. 1857  
Asahina Y & Sato M 1939; Kim SH 1979; Kim SH 1980; Kim SH 1981; Ri JD 1988; Park  
YS 1990; Kashiwadani H et al. 2002

*ahlneri* P.M. Jørg. → *Fuscopannaria ahlneri*  
*faurii* Hue → *Vahliella leucophaea*  
*laceratula* Hue → *Fuscopannaria laceratula*  
*leucosticta* Tuck. → *Fuscopannaria leucosticta*  
*pityrea* auct. → *Pannaria conoplea*  
*protensa* Hue → *Fuscopannaria protensa*  
*rubiginosa* auct. → *Pannaria asahinae*

**PARMELIA** Ach. 당초무늬지의속

**Parmelia adaugescens** Nyl. 후막당초무늬지의  
Lich. Japon: 28. 1890  
Ri JD 1988; Park YS 1990; Ri JD 2000; Hur JS et al. 2004a

**Parmelia fertilis** Müll. Arg. 주걱소잎당초무늬지의  
Flora 70: 316. 1887  
Kim SH 1981; Moon KH 1997; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al.  
2004a  
*Parmelia cochleata* Zahlbr. : Cho SS & Lee YN 1980; Ban JW 1983; Lee DY 1987; Ri JD  
1988; Park YS 1990

**Parmelia marmoriza** Nyl. 유사하얀줄당초무늬지의  
Lich. Japon: 28. 1890  
Cho SS & Lee YN 1980; Ban JW 1983; Lee DY 1987; Ri JD 1988; Huneck S et al. 1989;  
Park YS 1990; Moon KH et al. 1991; Ri JD 2000; Hur JS et al. 2004a

**Parmelia marmorophylla** Kurok. 하얀줄당초무늬지의

J. Jpn. Bot. 69: 68. 1994

Hur JS et al. 2004a

**Parmelia omphalodes** (L.) Ach. 돌당초무늬지의

Method. Lich.: 204. 1803

Moon KH 1999; Hur JS et al. 2004a

*Parmelia saxatilis* f. *munda* auct. : Asahina Y 1952b

**Parmelia praesquarrosa** Kurok. 매끈한당초무늬지의

J. Jpn. Bot. 69: 67. 1994

Moon KH 1999

*Parmelia fertilis* auct. : Ban JW 1983; Lee DY 1987; Ri JD & Hyun JG 1988; Ri JD 1988;

Park YS 1990; Moon KH et al. 1991; Ri JD 2000

**Parmelia pseudoshinanoana** Asahina 나플나플시나노지의

J. Jpn. Bot. 26: 334. 1951

Park ST 1976; Kim SH 1981; Kashiwadani H et al. 2002

**Parmelia saxatilis** (L.) Ach. 깊은산당초무늬지의

Method. Lich.: 204. 1803

Asahina Y 1951d

**Parmelia shinanoana** Zahlbr. 시나노당초무늬지의

Botan. Magaz., Tokyo 41: 349. 1927

Asahina Y 1952b; Kim SH 1965; Cho SS & Lee YN 1980; Kim SH 1981; Lee DY 1987;

Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Moon KH 1999; Ri JD 2000;

Kashiwadani H et al. 2002

**Parmelia squarrosa** Hale 당초무늬지의

Phytologia 22: 29. 1971

Kim SH 1979; Kim SH 1980; Kim SH 1981; Kim KS 1983; Lee DY 1987; Park YS 1990;

Moon KH 1999

*Parmelia divaricata* auct. : Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

*Parmelia saxatilis* auct. : Nakai T 1917; Nakai T 1918b; Ueda T 1934; Sato T 1939; Kim

SH 1965; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

*Parmelia saxatilis* f. *munda* auct. : Asahina Y 1952b

**Parmelia subdivaricata** Asahina

J. Jpn. Bot. 26: 356. 1951

Lee DY 1987

**Parmelia sulcata** Taylor 분말당초무늬지의

in Mackay, Fl. Hibern. 2: 145. 1836

Ri JD 1988; Ri JD 2000

*arnoldii* auct. → *Parmotrema mellissii*  
*asahinae* auct. → *Menegazzia nipponica*  
*aurulenta* Tuck. → *Myelochroa aurulenta*  
*austrosinensis* Zahlbr. → *Parmotrem austrosinense*  
*borreri* (Sm.) Turner → *Punctelia borreri*  
*braunsiana* Müll. Arg. → *Cetrelia braunsiana*  
*caperata* (L.) Ach. → *Flavoparmelia caperata*  
*caperata* f. *papillosa* Harm. → *Flavoparmelia caperata*  
*centrifuga* (L.) Ach. → *Arctoparmelia centrifuga*  
*ceptrarioides* Delise → *Cetrelia ceptarioides*  
*ceptrarioides* var. *rubescens* (Th. Fr.) Du Rietz → *Cetrelia olivetorum*  
*ceptrata* auct. → *Parmotrema clavuliferum* or *P. reticulatum*  
*cirrhata* Fr. → *Everniastrum cirrhatum*  
*cirrhata* f. *vermicularis* (Vain.) Asahina → *Everniastrum cirrhatum*  
*clavulifera* Räsänen → *Parmotrema clavuliferum*  
*cochleata* Zahlbr. → *Parmelia fertilis*  
*conspersa* (Ehrh. ex Ach.) Ach. → *Xanthoparmelia conspersa*  
*conspersa* var. *isidiosula* auct. → *Xanthoparmelia coreana*  
*coreana* Gyeln. → *Xanthoparmelia coreana*  
*crenata* Kurok. → *Hypotrachyna crenata*  
*crinita* Ach. → *Parmotrema crinitum*  
*cristifera* Taylor → *Parmotrema cristiferum*  
*denegans* Nyl. → *Myelochroa denegans*  
*dissecta* Nyl. → *Parmelinopsis minarum*  
*divaricata* auct. → *Parmelia squarrosa*  
*entothoichroa* Hue → *Myelochroa entothoichroa*  
*exsecta* Taylor → *Hypotrachyna exsecta*  
*fertilis* auct. → *Parmelia praesquarrosa*  
*formosana* Zahlbr. → *Hypotrachyna osseoalba*  
*fragillima* Hillmann → *Hypogymnia fragillima*  
*galbina* Ach. → *Myelochroa galbina*  
*grayana* Hue → *Parmotrema grayanum*  
*homogenes* Nyl. → *Myelochroa irrugans*

*horrescens* Taylor → *Parmelinopsis horrescens*  
*hyporysalia* (Vain.) Vain. → *Parmotrem austrosinense*  
*hypotrypa* Nyl. → *Hypogymnia hypotrypa*  
*hypotrypella* Asahina → *Hypogymnia hypotrypa*  
*incognita* Kurok. → *Hypotrachyna incognita*  
*irrugans* Nyl. → *Myelochroa irrugans*  
*isidioclada* Vain. → *Nipponoparmelia isidioclada*  
*isidiza* Nyl. → *Bulbothrix isidiza*  
*koyaensis* Asahina → *Hypotrachyna koyaensis*  
*laevigata* auct. → *Hypotrachyna exsecta*  
*laevior* Nyl. → *Parmularia peltata*  
*leucotyliza* Nyl. → *Myelochroa leucotyliza*  
*limbata* Laurer → *Relicina limbata* subsp. *arbuscula*  
*mellissii* C.W. Dodge → *Parmotrema mellissii*  
*mexicana* auct. → *Xanthoparmelia coreana* or *X. mexicana*  
*niitakana* Asahina (by Park ST 1979) → ?  
*nilgherrensis* Arnold → *Parmotrema arnoldii*  
*olivacea* (L.) Ach. → *Melanohalea olivacea*  
*olivacea* var. *albopunctata* (Asahina) Ahti → *Melanohalea olivacea*  
*olivetorum* Nyl. → *Cetrelia olivetorum*  
*perforata* var. *ulophylla* Meyen & Flot. → *Parmotrema reticulatum*  
*perisidians* Nyl. → *Myelochroa perisidians*  
*perlata* (Huds.) Ach. → *Parmotrema chinense*  
*pertusa* Schaer. → *Menegazzia terebrata*  
*pertusa* var. *pertusa* Schaer. → *Menegazzia terebrata*  
*physodes* (L.) Ach. → *Hypogymnia physodes*  
*piedmontensis* auct. → *Xanthoparmelia hirosakiensis* or *X. tuberculiformis*  
*praesorediosa* Nyl. → *Parmotrema praesorediosum*  
*pseudoborreri* Asahina → *Punctelia borreri*  
*pseudoformosana* Asahina → *Hypotrachyna pseudoformosana*  
*pseudolaevior* Asahina → *Nipponoparmelia pseudolaevior*  
*pseudolivetorum* Asahina → *Cetrelia pseudolivetorum*  
*pseudonilgherrensis* Asahina → *Parmotrema pseudonilgherrense*  
*quercina* (Willd.) Vain. → *Parmelina quercina*  
*relicina* auct. → *Relicina abstrusa*  
*reticulata* Taylor → *Parmotrema reticulatum*  
*rudecta* Ach. → *Punctelia rudecta*  
*ruderata* Vain. → *Punctelia rudecta*  
*saxatilis* auct. → *Parmelia squarrosa*

*saxatilis* f. *munda* auct. → *Parmelia omphalodes* or *P. squarrosa*  
*scabrosa* Taylor → *Xanthoparmelia scabrosa*  
*separata* Th. Fr. → *Arctoparmelia separata*  
*somloënsis* Gyeln. → *Xanthoparmelia somloënsis*  
*spectabilis* Asahina → *Hypotrachyna adducta*  
*stenophylla* (Ach.) Heugel (Ri JD 2000) → *Xanthoparmelia* ?  
*stuppea* Taylor → *Parmotrema stuppeum*  
*stygia* (L.) Ach. → *Melanelia stygia*  
*subaurulenta* Nyl. → *Myelochroa irrugans*  
*subcrinita* Nyl. → *Parmotrema subtinctorium*  
*submundata* Oxner → *Hypogymnia submundata*  
*subramigera* auct. → *Xanthoparmelia botryoides* or *X. hirosakiensis*  
*subtinctoria* Zahlbr. → *Parmotrema subtinctorium*  
*subsulphurata* Asahina → *Myelochroa perisidians*  
*sulphurata* Nees & Flot. → *Parmotrema sulphuratum*  
*taractica* Kremp. → *Xanthoparmelia subpolyphylloides*  
*texana* Tuck. → *Canoparmelia texana*  
*tinctorum* auct. → *Parmotrema tinctorium*  
*ulophyllodes* (Vain.) Savicz → *Flavopunctelia soledica*  
*vittata* (Ach.) Röhl. → *Hypogymnia vittata*  
*vittata* f. *vittata* (Ach.) Röhl. → *Hypogymnia vittata*  
*wallichiana* Taylor → *Parmelinella wallichiana*  
*yasudae* Räsänen → *Nipponoparmelia isidioclada*

## **PARMELIELLA** Müll. Arg. 물미꽃잎지의속

### **Parmeliella verruculosa** P.M. Jørg. 돌기물미꽃잎지의

J. Jpn. Bot. 76: 295. 2001

*Parmeliella nigrocinerea* (Nyl.) Vain. : Park YS 1990

*incisa* Müll. Arg. → *Fuscopannaria incisa*

*microphylla* (Sw.) Müll. Arg. → *Vahliella leucophaea*

*nigrocinerea* (Nyl.) Vain. → *Parmeliella verruculosa*

*subincisa* Zahlbr. → *Fuscopannaria subincisa*

## **PARMELINA** Hale

### **Parmelina quercina** (Willd.) Hale

Phytologia 28: 483. 1974

Park YS 1990

*Parmelia quercina* (Willd.) Vain. : Lee DY 1987; Ri JD 1988

*aurulenta* (Tuck.) Hale → *Myelochroa aurulenta*

*entothoichroa* (Hue) Hale → *Myelochroa entothoichroa*

## **PARMELINELLA** Müll. Arg. 왈리키매화나무지의속

### **Parmelinella wallichiana** (Taylor) Elix & Hale 왈리키매화나무지의

Mycotaxon 29: 242. 1987

Hur JS et al. 2004a

*Parmelia wallichiana* Taylor : Park ST 1976; Park ST 1979; Kim SH 1981; Lee DY 1987

## **PARMELINOPSIS** Elix & Hale 작은잎매화나무지의속

### **Parmelinopsis expallida** (Kurok.) Elix & Hale

Mycotaxon 29: 242. 1987

Park YS 1990

### **Parmelinopsis horrescens** (Taylor) Elix & Hale 유사돌기작은잎매화나무지의

Mycotaxon 29: 242. 1987

Hur JS et al. 2004a

*Parmelia horrescens* Taylor : Huneck S et al. 1989

### **Parmelinopsis minarum** (Vain.) Elix & Hale 돌기작은잎매화나무지의

Mycotaxon 29: 243. 1987

Park YS 1990; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a

*Parmelia dissecta* Nyl. : Park ST 1976; Kim SH 1981; Lee DY 1987

### **Parmelinopsis subfatiscens** (Kurok.) Elix & Hale

Mycotaxon 29: 243. 1987

Park YS 1990

## **PARMELIOPSIS** (Nyl. ex Stizenb.) Nyl. 어폐지의속

### **Parmeliopsis ambigua** (Wulfen) Nyl. 유사어폐지의

Syn. meth. lich. 2: 54. 1863

Ri JD 1988



**Parmeliopsis hyperopta** (Ach.) Vain. 어페지의

Meddn Soc. Fauna Flora fenn. 6: 127. 1881

Park ST 1976; Park ST 1979; Kim SH 1980; Ri JD 1988

*aleurites* (Ach.) Nyl. → *Imshaugia aleurites*

*pallescens* (Hoffm.) Hillmann → *Imshaugia aleurites*

**PARMOTREMA** A. Massal. 매화나무지의속

**Parmotrema arnoldii** (Du Rietz) Hale

Phytologia 28: 335. 1974

*Parmelia nilgherrensis* Nyl. : Ri JD 2000

**Parmotrema austrosinense** (Zahlbr.) Hale 분말테매화나무지의

Phytologia 28: 335. 1974

Moon KH et al. 1991; Kashiwadani H et al. 2002; Hur JS et al. 2004a

*Parmelia austrosinensis* Zahlbr. : Park ST 1976; Cho SS & Lee YN 1980; Kim SH 1980;

Kim SH 1981; Ban JW 1983; Lee DY 1987; Ri JD & Hyun JG 1988; Ri JD 1988

*Parmelia hyporysaea* (Vain.) Vain. : Asahina Y 1952b; Kim SH 1965

**Parmotrema chinense** (Osbeck) Hale & Ahti 산눈썽지의

Taxon 35: 133. 1986

Park YS 1990; Moon KH et al. 1991; Moon KH 1999; Kashiwadani H et al. 2002

*Parmelia perlata* (Huds.) Ach. : Cho SS & Lee YN 1980; Lee DY 1987; Ri JD & Hyun

JG 1988; Ri JD 1988

**Parmotrema clavuliferum** (Räsänen) Streimann 눈썽지의

Bibliothca Lichenol. 22: 93. 1986

*Parmelia cetrata* auct. : Kim SH 1965; Park ST 1976; Kim SH 1981; Ri JD 1988

*Parmelia clavulifera* Räsänen : Lee DY 1987

*Rimelia clavulifera* (Räsänen) Kurok. : Huneck S et al. 1994; Moon KH 1998; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a

**Parmotrema crinitum** (Ach.) M. Choisy 나플나플눈썽지의

Bull. Mens. Soc. Linn. Lyon 21: 175. 1952

Moon KH 1999

*Parmelia crinita* Ach. : Kim SH 1965; Park ST 1976; Kim SH 1979; Kim SH 1980; Kim SH 1981

**Parmotrema cristiferum** (Taylor) Hale 계관매화나무지의

Phytologia 28: 335. 1974

*Parmelia cristifera* Taylor : Park ST 1979

**Parmotrema eciliatum** (Nyl.) Hale 매끈매화나무지의

Phytologia 28: 336. 1974

Park YS 1990

**Parmotrema grayanum** (Hue) Hale

Phytologia 28: 336. 1974

*Parmelia grayana* Hue : Park ST 1976

**Parmotrema mellissii** (C.W. Dodge) Hale 유사눈썹지의

Phytologia 28: 337. 1974

Moon KH 1999; Kashiwadani H et al. 2002

*Parmelia arnoldii* auct. : Ri JD 1988; Park YS 1990 Ri JD 2000

*Parmelia mellissii* C.W. Dodge : Park ST 1976

**Parmotrema praesorediosum** (Nyl.) Hale 과립매화나무지의

Phytologia 28: 338. 1974

Kashiwadani H et al. 2002

*Parmelia praesorediosa* Nyl. : Park ST 1979; Cho SS & Lee YN 1980; Lee DY 1987

**Parmotrema pseudonilgherrense** (Asahina) Hale

Mycotaxon 5: 441. 1977

*Parmelia pseudonilgherrensis* Asahina : Ri JD 1988

**Parmotrema reticulatum** (Taylor) M. Choisy 말린눈썹지의

Bull. mens. Soc. linn. Lyon 21: 148. 1952

Ban JW 1983; Park YS 1990

*Parmelia cetrata* auct. : Kim SH 1965; Park ST 1976; Kim SH 1981; Ri JD 1988

*Parmelia perforata* var. *ulophylla* Meyen & Flot. : Nakai T 1917; Sato T 1939; Kim SH 1981; Ri JD 2000

*Parmelia reticulata* Taylor : Kim SH 1965; Kim SH 1979; Cho SS & Lee YN 1980; Kim SH 1980; Kim SH 1981; Kim KS 1983; Lee DY 1987; Ri JD 1988

*Rimelia reticulata* (Taylor) Hale & Fletcher : Huneck S et al. 1994; Moon KH 1997; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a

**Parmotrema stuppeum** (Taylor) Hale

Phytologia 28: 339. 1974

*Parmelia stuppea* Taylor : Huneck S et al. 1989

**Parmotrema subtinctorium** (Zahlbr.) Hale 큰나플나플눈썹지의

Phytologia 28: 339. 1974

Park YS 1990

*Canomaculina subtinctoria* (Zahlbr.) Elix : Moon KH 1999

*Parmelia subcrinita* Nyl. : Cho SS & Lee YN 1980

*Parmelia subtinctoria* Zahlbr. : Lee DY 1987

**Parmotrema sulphuratum** (Nees & Flot.) Hale

Phytologia 28: 339. 1974

*Parmelia sulphurata* Nees & Flot. : Kim KS 1983

**Parmotrema tinctorium** (Nyl.) Hale 매화나무지의

Phytologia 28: 339. 1974

Park YS 1990; Kashiwadani H et al. 2002; Hur JS et al. 2004a

*Parmelia tinctorum* auct. : Asahina Y 1952b; Lee YN & Ju SW 1956; Kim SH 1965; Park ST 1976; Kim SH 1979; Park ST 1979; Cho SS & Lee YN 1980; Kim SH 1980; Kim SH 1981; Ban JW 1983; Kim KS 1983; Lee DY 1987; Ri JD 1988

**Parmotrema ultralucens** (Krog) Hale 울트라눈썹지의

Phytologia 28: 339. 1974

Hur JS et al. 2004a

*arnoldii* auct. → *Parmotrema mellissii*

**PARMULARIA** Lév.

**Parmularia peltata** (Masse) Lindau

in Engler & Prantl, Nat. Pflanzenfam., Teil. I (Leipzig) 1: 274. 1897

*Parmelia laevior* Nyl. : Lee DY 1987; Ri JD 1988; Huneck S et al. 1989; Park YS 1990; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a

**PELTIGERA** Willd. 손톱지의속

**Peltigera africana** Gyeln. 아프리카손톱지의

Magy. Bot., Lapok 27: 92. 1929

Ri JD 1979; Ri JD 1988

**Peltigera aloisii** Gyeln. 날알손톱지의

Oester. Bot. Zeitschr. 77: 222. 1928

Ri JD 1979; Ri JD 1988

**Peltigera aphthosa** (L.) Willd. 손톱지의

Fl. Berol. (Berlin): 347. 1787

Nakai T 1917; Ueda T 1934; Sato T 1939; Ri JD 1979; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

**Peltigera canina** (L.) Willd. 개발톱지의

Fl. Berol. (Berlin): 347. 1787

Tou JB 1935; Sato T 1939; Ri JD 1979; Kim SH 1981; Ban JW 1983; Ri JD 1988; Park YS 1990; Moon KH 1999; Ri JD 2000

**Peltigera collina** (Ach.) Schrad. 방패손톱지의

J. Bot. (Schrader) 3: 78. 1801

Ri JD & Hyun JG 1988; Park YS 1990; Moon KH 1999; Wei XL et al. 2009

*Peltigera scutata* (Dicks.) Duby : Ri JD 1979; Ri JD 1988; Ri JD 2000

**Peltigera didactyla** (With.) J.R. Laundon 유사꼬마손톱지의

Lichenologist 16: 217. 1984

Wei XL et al. 2009

*Peltigera erumpens* (Taylor) Lange : Ri JD 1979; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

*Peltigera spuria* (Ach.) DC. : Kim SH 1979; Ri JD 1979; Kim SH 1980; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

**Peltigera dilacerata** (Gyeln.) Gyeln. 하늘하늘손톱지의

Rev. Bryol. Lichénol. 5: 70. 1932

*Peltigera degenii* auct. : Tou JB 1935; Sato T 1939; Ri JD 1979; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Ri JD 2000; Hur JS et al. 2004a; Wei XL et al. 2009

**Peltigera dolichorrhiza** (Nyl.) Nyl. 긴뿌리손톱지의

Lich. Nov. Zeland.: 43. 1888

Ri JD 1979; Ri JD & Hyun JG 1988; Ri JD 1988; Moon KH 1999; Kashiwadani H et al. 2002

**Peltigera elisabethae** Gyeln. var. **elisabethae** 잔잎손톱지의

Bot. Kozl. 24: 135. 1927

Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000; Hur JS et al. 2004a  
*Peltigera microphylla* (Anders) Gyeln. : Ri JD 1979

***Peltigera elisabethae* var. *mauritzii*** (Gyeln.) J.C. Wei

An Enumeration of Lichens in China (Beijing): 183. 1991

Kashiwadani H et al. 2002; Wei XL et al. 2009

*Peltigera mauritzii* Gyeln. : Ri JD 1979; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

***Peltigera horizontalis*** (Huds.) Baumg. 평평한손톱지의

Fl. Lips.: 562. 1790

Tou JB 1935; Sato T 1939; Ri JD 1979; Ri JD & Hyun JG 1988; Ri JD 1988; Hur JS et al. 2004a; Wei XL et al. 2009

*Peltigera horizontalis* f. *horizontalis* (Huds.) Baumg. : Kim SH 1981

*Peltigera zopfii* Gyeln. : Ri JD & Hyun JG 1988; Ri JD 2000

***Peltigera leucophlebia*** (Nyl.) Gyeln. 줄손톱지의

Magyar Bot., Lapok 24: 79. 1926

Ri JD 1979; Kim SH 1980; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Ri JD 2000; Wei XL et al. 2009

*Peltigera variolosa* (A. Massal.) Gyeln. : Tou JB 1935; Sato T 1939; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988

*Peltigera variolosa* var. *crispa* (Vain.) Gyeln. : Ri JD 1979

***Peltigera magyarica*** Gyeln.

Magyar Bot., Lapok 28: 61. 1929

Ri JD 1979; Ri JD 1988

***Peltigera malacea*** (Ach.) Funck 연한손톱지의

Cryptog. Gewachse 33: 5. 1827

Ri JD 1979; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990

***Peltigera membranacea*** (Ach.) Nyl. 얇은손톱지의

Bull. Soc. Linn. Normandie ser. 4. 1: 74. 1887

Ri JD 1979; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

***Peltigera neckeri*** Hepp ex Müll. Arg

Mem. Soc. Phys. Hist. Nat. Ceneve 16: 370. 1862

Huneck S et al. 1989

**Peltigera nigripunctata** Bitter

in Bericht. Deutsch. Botan. Gesellsch. 27: 194. 1909

Park YS 1990; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a

**Peltigera polydactylon** (Neck.) Hoffm. 단풍손톱지의

Descr. Adumb. Plant. Lich. 1: 19. 1789

Hur JS et al. 2004a; Wei XL et al. 2009

*Peltigera polydactyla* auct. : Lee YN & Ju SW 1956; Kim SH 1979; Ri JD 1979; Kim SH 1980; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Huneck S et al. 1994; Moon KH 1999; Ri JD 2000; Kashiwadani H et al. 2002

*Peltigera polydactyla* var. *polydactyla* (Flörke) Spreng. : Kim SH 1981

*Peltigera polydactylis* auct. : Tou JB 1935; Sato T 1939

**Peltigera praetextata** (Flörke ex Sommerf.) Zopf 나플나플손톱지의

Ann. Chemie 364: 299. 1909

Ri JD 1988; Huneck S et al. 1989; Park YS 1990; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Wei XL et al. 2009

*Peltigera membranacea* var. *szatalae* (Gyeln.) Gyeln. : Ri JD 1988

*Peltigera subcanina* Gyeln. : Ri JD 1988; Ri JD 2000

**Peltigera pruinosa** (Gyeln.) Inumaru 눈손톱지의

Acta Phytotax. Et Geobot. 12: 11. 1943

Park YS 1990; Moon KH 1999

**Peltigera rufescens** (Weiss) Humb. 붉은손톱지의

Fl. Friberg. Spec. (Berlin) 2. 1793

Ri JD 1979; Ri JD 1988; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Wei XL et al. 2009

**Peltigera scabrosa** Th. Fr. 거친손톱지의

Lich. Arctol: 45. 1861

Ri JD 1979; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Wei XL et al. 2009

**Peltigera venosa** (L.) Hoffm. 꼬마손톱지의

Descr. Adumb. Plant. Lich. 1: 31. 1789

Ri JD 1979; Ri JD 1988; Kashiwadani H et al. 2002

*aloisii* var. *granulosa* Inumaru (by Ri JD 1988) → ?

*degenii* auct. → *Peltigera dilacerata*

*erumpens* (Taylor) Lange → *Peltigera didactyla*  
*horizontalis* f. *horizontalis* (Huds.) Baumg. → *Peltigera horizontalis*  
*horizontalis* var. *lobatoides* Gyeln. (by Ri JD 1979) → ?  
*mauritzii* Gyeln. → *Peltigera elisabethae* var. *mauritzii*  
*membranacea* var. *szatalae* (Gyeln.) Gyeln. → *Peltigera praetextata*  
*microphylla* (Anders) Gyeln. → *Peltigera elisabethae* var. *elisabethae*  
*neopolydactyla* auct. (by Park YS 1990; Wei XL et al. 2009) → ?  
*polydactyla* auct. → *Peltigera polydactylon*  
*polydactyla* var. *polydactyla* (Flörke) Spreng. → *Peltigera polydactylon*  
*polydactylis* auct. → *Peltigera polydactylon*  
*rufescens* f. *lacera* Gyeln. (by Ri JD 1979; Ri JD 1988) → ?  
*scutata* (Dicks.) Duby → *Peltigera collina*  
*spuria* (Ach.) DC. → *Peltigera didactyla*  
*subcanina* Gyeln. → *Peltigera praetextata*  
*variolosa* (A. Massal.) Gyeln. → *Peltigera leucophlebia*  
*variolosa* var. *crispa* (Vain.) Gyeln. → *Peltigera leucophlebia*  
*zahlbruckneri* Gyeln. (by Ri JD 1979; Ri JD 1988) → ?  
*zopfii* Gyeln. → *Peltigera horizontalis*

## PERTUSARIA DC 닭살지의속

### **Pertusaria amara** (Ach.) Nyl.

Bull. Soc. linn. Normandie sér. 2. 6: 288. 1872  
 Moon KH 1999

### **Pertusaria astomoides** Nyl.

Lich. Japon: 51. 1890  
 Moon KH et al. 2002  
*Pertusaria coreana* Räsänen : Räsänen V 1940; Kim SH 1981

### **Pertusaria commutata** Müll. Arg. 꼬마닭살지의

Flora, Jena 67: 269. 1884  
 Kim SH 1980; Kim SH 1981; Huneck S et al. 1994

### **Pertusaria composita** Zahlbr. 거북등닭살지의

Anns mycol. 14: 58. 1916  
 Moon KH 1999

### **Pertusaria corallina** (L.) Arnold 산호닭살지의

Flora (Regensburg) 49: 658. 1861  
Park ST 1982

***Pertusaria flavicans*** Lamy

Bull. Soc. bot. Fr. 25: 427. 1879  
Zhang LL et al. 2012

***Pertusaria glauca*** Zahlbr.

Annls mycol. 14: 57. 1916  
Moon KH 1999

***Pertusaria lactea*** (L.) Arnold

Verh. zool.-bot. Ges. Wein 22: 283. 1972  
Moon KH 1999

***Pertusaria laeviganda*** Nyl. 흑담살지의

Lich. Japon: 53. 1890  
Moon KH 1999; Moon KH et al. 2002

***Pertusaria leucosora*** Nyl. 백설담살지의

Flora (Regensburg) 60: 223. 1877  
Moon KH et al. 2002

***Pertusaria multipuncta*** (Turner) Nyl. 팔소담살지의

Lich. Scand. (Uppsala): 179. 1861  
Huneck S et al. 1994; Moon KH 1999; Moon KH et al. 2002

***Pertusaria nakamurae*** (Räsänen) Dibben 나카무라담살지의

Publications in Biology and Geology, Milwaukee Public Museum 5: 19. 1980  
Moon KH 1999

***Pertusaria pertusa*** (L.) Tuck.

Enum. N. America Lich.: 56. 1845  
Moon KH 1999

***Pertusaria pseudamara*** K.H. Moon & Shibuichi 유사바위담살지의

J. Hattori Bot. Lab. 86: 207. 1999  
Moon KH 1999



**Pertusaria pustulata** (Ach.) Duby 올리브닭살지의

Bot. Gall., Edn 2 (Paris) 2: 673. 1830

Moon KH 1999

**Pertusaria quartans** Nyl. 이끼눈알닭살지의

Lich. Japon: 54. 1890

Moon KH 1999; Moon KH et al. 2002

**Pertusaria radiata** Oshio

J. Sci. Hiroshima Univ. ser. B. Div. 2, Bot. 12: 118. 1965

Moon KH 1999

**Pertusaria stenostoma** Vain. 가는목닭살지의

Bot. Magaz., Tokyo 35: 55. 1921

Moon KH 1999

**Pertusaria subfallens** Vain.

Bot. Magaz., Tokyo 35: 55. 1921

Moon KH 1999; Moon KH et al. 2002

**Pertusaria sublaeviganda** Vain. 티눈닭살지의

Bot. Magaz., Tokyo 35: 58. 1921

Moon KH et al. 2002

**Pertusaria submultipuncta** Nyl.

Lich. Japon: 55. 1890

Moon KH 1999

**Pertusaria subobductans** Nyl. 작은혹닭살지의

Lich. Japon: 52. 1890

Moon KH 1998; Moon KH 1999; Ri JD 2000; Moon KH et al. 2002

**Pertusaria velata** (Turner) Nyl. 작은닭살지의

Lich. Scand. (Uppsala): 179. 1861

Hue A 1917; Kim SH 1979; Kim SH 1981; Huneck S et al. 1994; Moon KH 1999; Ri JD 2000

*Pertusaria velata* f. *variolosa* Müll. Arg. : Hue A 1917

*coreana* Räsänen → *Pertusaria astomoides*

*velata* var. *follisa* Hue (by Hue A 1917) → ?  
*velata* f. *variolosa* Müll. Arg. → *Pertusaria velata*

## **PHAEOGRAPHIS** Müll. Arg. 검은배지네지의속

**Phaeographis asteriformis** (Zahlbr.) M. Nakan. 범어문자지의  
J. Sci. Hiroshima Univ. Ser. B, Div. 2, Bot. 11: 83. 1966  
Moon KH et al. 2012

**Phaeographis subdividens** (Leight.) Müll. Arg.  
Flora (Regensburg) 65: 383. 1882  
Joshi S et al. 2012a

## **PHAEOPHYSCIA** Moberg 검은배지네지의속

**Phaeophyscia adiastrata** (Essl.) Essl.  
Mycotaxon 7: 293. 1978  
Park YS 1990; Wei XL & Hur JS 2007

**Phaeophyscia confusa** Moberg  
Nordic J Bot. 3: 512. 1983  
Kashiwadani H et al. 2002

**Phaeophyscia endococcinodes** (Poelt) Essl. 붉은속지네지의  
Mycotaxon 7: 301. 1978  
Park YS 1990; Ko MJ 1991; Moon KH 1999; Wei XL & Hur JS 2007  
*Physcia endococcina* auct. : Kim SH 1979; Kim SH 1980; Kim SH 1981; Ri JD & Hyun  
JG 1988; Ri JD 1988; Huneck S et al. 1989; Ri JD 2000

**Phaeophyscia exornatula** (Zahlbr.) Kashiw.  
Bull. natn. Sci. Mus., Tokyo B. 10: 126. 1984  
Park YS 1990; Ko MJ 1991; Kashiwadani H et al. 2002; Wei XL & Hur JS 2007  
*Physcia hispidula* subsp. *exornatula* (Zahlbr.) Moberg : Huneck S et al. 1989

**Phaeophyscia hirtuosa** (Kremp.) Essl. 흰털지네지의  
Mycotaxon 7: 304. 1978  
Park YS 1990; Ko MJ 1991; Moon KH 1997; Moon KH 1998; Moon KH 1999; Wei XL  
& Hur JS 2007

*Phaeophyscia hirtella* Essl. : Park YS 1990; Wei XL & Hur JS 2007

*Physcia hirtuosa* Kremp. : Ri JD 1988; Huneck S et al. 1994; Ri JD 2000

**Phaeophyscia hispidula** (Ach.) Essl.

Mycotaxon 7: 305. 1978

Park YS 1990; Ko MJ 1991; Moon KH 1997; Moon KH 1998; Moon KH 1999;  
Kashiwadani H et al. 2002; Wei XL & Hur JS 2007

**Phaeophyscia imbricata** (Vain.) Essl. 기와앞지네지의

Mycotaxon 7: 308. 1978

Park YS 1990; Moon KH 1999; Hur JS et al. 2004a; Wei XL & Hur JS 2007

*Physcia imbricata* Vain. : Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

**Phaeophyscia limbata** (Poelt) Kashiw. 검은배지네지의

Bull. natn. Sci. Mus., Tokyo B. 10: 129. 1984

Park YS 1990; Ko MJ 1991; Hur JS et al. 2004a; Wei XL & Hur JS 2007

**Phaeophyscia orbicularis** (Neck.) Moberg

Symb. bot. upsal. 22: 44. 1977

Park YS 1990

*Physcia orbicularis* (Baumg.) Poetsch : Ri JD 2000

**Phaeophyscia primaria** (Poelt) Trass

Folia cryptog. Estonica 15: 2. 1981

Park YS 1990; Moon KH 1999

*Phaeophyscia ciliata* (Hoffm.) Moberg : Hur JS et al. 2004a

*Physcia ciliata* auct. : Ri JD 2000

*Physcia hispidula* subsp. *primaria* Poelt : Huneck S et al. 1989

**Phaeophyscia pyrrophora** (Poelt) D.D. Awasthi & M. Joshi

Indian J. mycol. Res. 16: 278. 1978

Moon KH 1999; Kashiwadani H et al. 2002; Wei XL & Hur JS 2007

*Phaeophyscia erythrocardia* (Tuck.) Essl. : Park YS 1990; Wei XL & Hur JS 2007

**Phaeophyscia rubropulchra** (Degel.) Moberg 분말붉은지네지의

Bot. Notiser 131: 262. 1978

Park YS 1990; Moon KH 1997; Moon KH 1998; Moon KH 1999; Kashiwadani H et al.  
2002

**Phaeophyscia sciastra** (Ach.) Moberg

Symb. bot. upsal. 22: 47. 1977

Wei XL & Hur JS 2007

*Physcia lithotea* var. *sciastra* (Ach.) Lyngby : Kim SH 1981

**Phaeophyscia spinellosa** Kashiw.

Bull. natn. Sci. Mus., Tokyo B. 10: 46. 1984

Kashiwadani H et al. 2002

*Physcia spinellosa* Kashiw. : Huneck S et al. 1989; Huneck S et al. 1994

**Phaeophyscia squarrosa** Kashiw.

Bull. natn. Sci. Mus., Tokyo B. 10: 47. 1984

Kashiwadani H et al. 2002; Wei XL & Hur JS 2007

**Phaeophyscia trichophora** (Hue) Essl.

Mycotaxon 7: 313. 1978

Moon KH 1999; Wei XL & Hur JS 2007

*Physcia leana* auct. : Huneck S et al. 1989

*ciliata* auct. (Hoffm.) Moberg → *Phaeophyscia primaria*

*denigrata* (Hue) Moberg → *Physciella denigrata*

*erythrocardia* (Tuck.) Essl. → *Phaeophyscia pyrrophora*

*hirtella* Essl. → *Phaeophyscia hirtuosa*

*melanchra* (Hue) Hale → *Physciella melanchra*

**PHYLLISCUM** Nyl. 노래기지의속

**Phylliscum japonicum** Zahlbr. 노래기지의

Bot. Mag., Tokyo 41: 320. 1927

Sato M 1934; Sato M 1937; Sato T 1937; Sato T 1939; Kim SH 1981; Ri JD 1988; Moon

KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a

**PHYLLOPSORA** Müll. Arg.

**Phyllopsora corallina** (Eschw.) Müll. Arg.

Bot. Jb. 20: 26. 1894

Joshi Y et al. 2011c

**PHYSICIA** (Schreb.) Michx. 지네지의속

**Physcia aipolia** (Ehrh. ex Humb.) Fürnr.

Naturhist. Topogr. Regensburg 2: 249. 1839

Ri JD 2000

**Physcia caesia** (Hoffm.) Hampe ex Fürnr.

Naturhist. Topogr. Regensburg 2: 250. 1839

Kim SH 1979; Kim SH 1980; Kim SH 1981; Kashiwadani H et al. 2002; Wei XL & Hur JS 2007

**Physcia orientalis** Kashiw. 하얀지네지의

Mem. Natn. Sci. Mus., Tokyo 18: 101. 1985

Hur JS et al. 2004a; Wei XL & Hur JS 2007

**Physcia stellaris** (L.) Nyl. 별지네지의

Act. Soc. linn. Bordeaux, Trois. sér. 21: 307. 1856

Ri JD & Hyun JG 1988; Moon KH 1999; Ri JD 2000; Kashiwadani H et al. 2002; Wei XL & Hur JS 2007

**Physcia tribacia** (Ach.) Nyl.

Flora, Jena 62: 48. 1874

Moon KH 1999

*ciliata* auct. → *Phaeophyscia primaria*

*endococcina* auct. → *Phaeophyscia endococcinodes*

*hirtuosa* Kremp. → *Phaeophyscia hirtuosa*

*hispidula* subsp. *exornatula* (Zahlbr.) Moberg → *Phaeophyscia exornatula*

*hispidula* subsp. *primaria* Poelt → *Phaeophyscia primaria*

*imbricata* Vain. → *Phaeophyscia imbricata*

*leana* auct. → *Phaeophyscia trichophora*

*lithotea* var. *sciastra* (Ach.) Lyngé → *Phaeophyscia sciastra*

*nipponica* Asahina → *Physciella denigrata*

*orbicularis* (Baumg.) Poetsch → *Phaeophyscia orbicularis*

*spinelloso* Kashiw. → *Phaeophyscia spinelloso*

*syncolla* Tuck. ex Nyl. → *Hyperphyscia syncolla*

**PHYSICIELLA** Essl. 로젯트지의속

**Physciella denigrata** (Hue) Essl.

Mycologia 78: 95. 1986

Park YS 1990; Ko MJ 1991; Moon KH 1997; Moon KH 1999; Hur JS et al. 2004a

*Phaeophyscia denigrata* (Hue) Moberg : Kashiwadani H et al. 2002; Wei XL & Hur JS 2007

*Physcia nipponica* Asahina : Ri JD 1988

**Physciella melanchra** (Hue) Essl. 로젯트지의

Mycologia 78: 95. 1986

Moon KH 1997; Moon KH 1998; Moon KH 1999; Hur JS et al. 2004a

*Phaeophyscia melanchra* (Hue) Hale : Kashiwadani H et al. 2002; Wei XL & Hur JS 2007

**PHYSCONIA** Poelt

**Physconia detersa** (Nyl.) Poelt

Nova Hedwigia 9: 30. 1965

Park YS 1990; Moon KH 1997; Wei XL & Hur JS 2007

**Physconia grumosa** Kashiw. & Poelt 백분지의

ibid.: 56. 1975

Park YS 1990; Ko MJ 1991; Moon KH et al. 1991; Moon KH 1999; Wei XL & Hur JS 2007

**Physconia leucoleiptes** (Tuck.) Essl.

Mycotaxon 51: 94. 1994

*Physconia kurokawae* Kashiw. : Moon KH 1997; Moon KH 1999

*kurokawae* Kashiw. → *Physconia leucoleiptes*

**PILOPHORON** Th. Fr.

*acicularis* (Ach.) Nyl. → *Pilophorus aciculare*

*hallii* (Tuck.) Vain. → *Pilophorus clavatus*

*japonicum* Zahlbr. → *Pilophorus clavatus*

**PILOPHORUS** Th. Fr. 갯지의속

**Pilophorus aciculare** (Ach.) Th. Fr. 큰갯지의

Stereoc. Piloph. Comm.: 41. 1857

Moon KH 1999

*Pilophoron acicularis* (Ach.) Nyl. : Ri JD 1988

**Pilophorus clavatus** Th. Fr. 갓지의

Bot. Notiser: 214. 1888

Park YS 1990; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a

*Pilophoron hallii* (Tuck.) Vain. : Kim SH 1981; Ri JD 1988

*Pilophoron japonicum* Zahlbr. : Kim SH 1981

**PLACIDIOPSIS** Beltr.

**Placidiopsis cartilaginea** (Nyl.) Vain.

Acta Soc. Fauna Flora fenn. 49: 23. 1921

Moon KH & Aptroot A 2009

**PLACOCARPUS** Trevis.

**Placocarpus kashiwadani** Aptroot & K.H. Moon

Bibliotheca Lichenol. 99: 302. 2009

Moon KH & Aptroot A 2009

**PLACOPSIS** (Nyl.) Linds. 테이지지의속

**Placopsis cribellans** (Nyl.) Räsänen 테이지지의

J. Jpn. Bot. 16: 90. 1940

Kim SH 1979; Kim SH 1980; Kim SH 1981; Kashiwadani H et al. 2002

*Lecanora cribellans* Nyl. : Zahlbruckner's Catalogus

**PLACYNTHIELLA** Elenkin 분말검은녹지의속

**Placynthiella hyporhoda** (Th. Fr.) Coppins & P. James

Lichenologist 16: 244. 1984

Joshi Y et al. 2011b

**Placynthiella icmalea** (Ach.) Coppins & P. James

Lichenologist 16: 244. 1984

Joshi Y et al. 2011b

**Placynthiella uliginosa** (Schrad.) Coppins & P. James

Lichenologist 16: 245. 1984

Moon KH 1999

**POLYCHIDIUM** (Ach.) Gray

**Polychidium muscicola** (Sw.) Gray

Nat. Arr. Brit. Pl. (London) 1: 402. 1821

Jayalal U et al. 2012c

**PORINA** Ach. 해변지의속

**Porina aenea** (Wallr.) Zahlbr.

Zahlbr. Cat. Lich. Univ. 1: 363. 1922

Moon KH & Aptroot A 2009

**Porina chlorotica** (Ach.) Müll. Arg.

Revue mycol., Toulouse 6: 20. 1884

Moon KH & Aptroot A 2009

**Porina cumowii** A.L. Sm.

J. Bot., Lond. 49: 44. 1911

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**Porina guentheri** (Flot.) Zahlbr.

Zahlbr. Cat. Lich. Univ. 1: 384. 1922

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**Porina hirsuta** Aptroot & K.H. Moon

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**Porina leptalea** (Durieu & Mont.) A.L. Sm.

in Crombie & Smith, Monogr. Brit. Lich. 2: 333. 1911

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**Porina mastoidea** (Ach.) Müll. Arg.

Bot. Jahrb. Syst. 6: 399. 1885



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**Porina melanops** Malme

Ark. Bot. 23A: 25. 1929

Moon KH & Aptroot A 2009

**PORPIDIA** Körb. 끝선명접시지의속

**Porpidia albocaerulescens** (Wulfen) Hertel & Knoph

Beih. Nova Hedwigia 79: 433. 1984

Huneck S et al. 1989; Moon KH 1998; Moon KH 1999; Wang XY et al. 2011a

*Lecidea albocaerulescens* (Wulfen) Ach. : Asahina Y & Sato M 1939; Kim SH 1981; Ri JD 1988

**Porpidia crustulata** (Ach.) Hertel & Knoph

Beih. Nova Hedwigia 79: 435. 1984

Moon KH 1999; Wang XY et al. 2011a

**Porpidia macrocarpa** (DC.) Hertel & A.J. Schwab **f. macrocarpa**

Beih. Nova Hedwigia 79: 437. 1984

Wang XY et al. 2011a

**PSEUDEPHEBE** M. Choisy 봉우리솜털지의속

**Pseudephebe pubescens** (L.) M. Choisy 봉우리솜털지의

Icon. Lich. Univ. 2: sine pag. 1930

*Alectoria pubescens* (L.) R. Howe. : Kim SH 1980; Kim SH 1981

**PSEUDOCYPHELLARIA** Vain. 금테지의속

**Pseudocyphellaria argyracea** (Delise) Vain. 은테지의

Hedwigia 37: 35. 1898

Ri JD 1988

**Pseudocyphellaria aurata** (Ach.) Vain. 금테지의

Acta Soc. Fanna Flora fenn. 7: 183. 1890

Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

**Pseudocyphellaria crocata** (L.) Vain. 유사금테지의

Hedwigia 37: 34. 1898

Ban JW 1983; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Ri JD 2000

*Sticta mougeotiana* Delise

*scrobiculata* (Scop.) J. Blum → *Lobaria scrobiculata*

**PSEUDOPARMELIA** Lynge

*caperata* (L.) Hale → *Flavoparmelia caperata*

**PSOROGLAENA** Müll. Arg. 조갯살지의속

**Psoroglaena cubensis** Müll. Arg. 조갯살지의

Flora (Regensburg) 74: 381. 1891

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**PSOROTICHIA** A. Massal.

**Psorotichia frustulosa** Anzi

Comm. Soc. crittog. Ital. 2: 4. 1864

Schults M & Moon KH 2011

**Psorotichia schaereri** (A. Massal.) Arnold

Flora (Regensburg) 52: 265. 1869

Schults M & Moon KH 2011

**PTERYGIOPSIS** Vain.

**Pterygiopsis affinis** (A. Massal.) Henssen

Ber. Dt. Bot. Ges. 92: 486. 1980

Schults M & Moon KH 2011

**PUNCTELIA** Krog 흰점지의속

**Punctelia borreii** (Sm.) Krog 흰점지의

Nordic J Bot. 2: 291. 1982

Park YS 1990; Huneck S et al. 1994; Moon KH 1997; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a

*Parmelia borrieri* (Sm.) Turner : Cho SS & Lee YN 1980; Lee DY 1987; Ri JD 1988  
*Parmelia pseudoborrieri* Asahina : Asahina Y 1951c; Asahina Y 1952b; Kim SH 1965

**Punctelia rudecta** (Ach.) Krog 돌기 흰점지의

Nordic JI Bot. 2: 291. 1982

Park YS 1990; Moon KH 1999; Hur JS et al. 2004a

*Parmelia rudecta* Ach. : Ban JW 1983; Kim KS 1983; Lee DY 1987; Ri JD & Hyun JG 1988; Ri JD 1988

*Parmelia ruderata* Vain. : Kim SH 1965

**Punctelia subrudecta** (Nyl.) Krog

Nordic JI Bot. 2: 291. 1982

Huneck S et al. 1994

**PYRENOPSIS** (Nyl.) Nyl.

**Pyrenopsis triptococca** Nyl.

Flora (Regensburg) 64: 2. 1881

Schults M & Moon KH 2011

**PYRENULA** Ach. 갑옷미늘지의속

**Pyrenula aspistea** (Afzel.) Ach.

Mag. Gesell. naturf. Freunde, Berlin 6: 17. 1814

Moon KH & Aptroot A 2009

**Pyrenula fetivica** (Kremp.) Müll. Arg.

Flora 72: 68.1889

*Pyrenula japonica* Kurok. : Ka KH et al. 1997; Moon KH 1999

**Pyrenula mamillana** (Ach.) Trevis.

Conspectus Verruc.: 13. 1860

Moon KH & Aptroot A 2009

**Pyrenula nitida** (Weigel) Ach. 갑옷미늘지의

Syn. meth. lich.: 125. 1814

Moon KH & Aptroot A 2009

**Pyrenula platystoma** (Müll. Arg.) Aptroot

Lichenologist 44: 47. 2012

*Pyrenula neoculata* Aptroot : Moon KH & Aptroot A 2009

**Pyrenula pseudobufonia** (Rehm) R.C. Harris

Evansia 2: 46. 1985

Moon KH & Aptroot A 2009

**Pyrenula quassiaecola** Fée

Essai Crypt. Exot., Suppl. Révis. (Paris): 79. 1837

Moon KH & Aptroot A 2009

**Pyrenula sipmanii** Aptroot & K.H. Moon

Bibliotheca Lichenol. 99: 307. 2009

Moon KH & Aptroot A 2009

*japonica* Kurok. → *Pyrenula fetivica*

*neoculata* Aptroot → *Pyrenula platystoma*

**PYXINE** Fr. 검은별지의속

**Pyxine consocians** Vain.

Philipp. J. Sci. C Bot. 8: 109. 1913

Wei XL & Hur JS 2007

**Pyxine copelandii** Vain.

Philipp. J. Sci., C Bot. 8: 110. 1913

Wei XL & Hur JS 2007

**Pyxine endochrysin** Nyl. 노란속검은별지의

Lich. Japon: 34. 1890

Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Ko MJ 1991; Huneck S et al. 1994; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Wei XL & Hur JS 2007

**Pyxine limbulata** Müll. Arg. 큰검은별지의

Flora, 71: 112. 1891

Park YS 1990; Ko MJ 1991; Huneck S et al. 1994; Moon KH 1998; Moon KH 1999; Wei XL & Hur JS 2007

*Pyxine berteriana* (Fée) Imshaug : Ri JD & Hyun JG 1988; Ri JD 1988

**Pyxine soredata** (Ach.) Mont. 분말검은별지의  
in Sagra, Hist. phys. Cuba, Bot. Pl. Cell. 2: 188. 1842  
Park YS 1990; Moon KH 1999; Wei XL & Hur JS 2007

**Pyxine subcinerea** Stirt.  
Trans. Proc. N.Z. Inst. 30: 397. 1898  
*Pyxine connectans* auct. : Ri JD 1988; Ri JD 2000

*berteriana* (Fée) Imshaug → *Pyxine limbulata*  
*connectans* auct. → *Pyxine subcinerea*

## **RACODIUM** Fr. 반석지의속

**Racodium rupestre** Pers. 반석지의  
Neues Mag. Bot. 1: 123. 1794  
Huneck S et al. 1994

## **RAMALINA** Ach. 탕자나무속

**Ramalina almquistii** Vain. 높은봉우리 탕자나무지의  
Ark. Bot. 8: 17. 1909  
Kim SH 1980; Kim SH 1981; Huneck S et al. 1989

**Ramalina commixta** Asahina 낮은탕자나무지의  
J. Jpn. Bot. 15: 207. 1939  
Ri JD 1988; Huneck S et al. 1989; Ri JD 2000; Kashiwadani H et al. 2002; Hur JS et al. 2004a

**Ramalina conduplicans** Vain. 탕자나무지의  
Ann. Soc. Zool.-bot. Fennic. 1: 35. 1921  
Moon KH 1997; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a  
*Ramalina calicaris* auct. : Ri JD 1988; Park YS 1990; Ri JD 2000  
*Ramalina calicaris* var. *subfastigiata* Nyl. : Lee YN & Ju SW 1956; Kim SH 1981

**Ramalina coreana** Kashiw. & K.H. Moon 바람탕자나무지의  
Bull. natn. Sci. Mus., Tokyo B 28: 1. 2002  
Kashiwadani H & Moon KH 2002

**Ramalina exilis** Asahina 연 환탕자나무지의

J. Jpn. Bot. 15: 221. 1939

Ri JD & Hyun JG 1988; Ri JD 1988; Huneck S et al. 1989; Moon KH 1999; Ri JD 2000;  
Hur JS et al. 2004a

**Ramalina fastigiata** (Pers.) Ach.

Lich. univ.: 603. 1810

Moon KH 1999

*Ramalina subgeniculata* Nyl. : Park YS 1990

**Ramalina geniculata** Hook. f. & Taylor

London J. Bot. 3: 655. 1844

Kim SH 1980; Kim SH 1981; Ri JD 1988

**Ramalina inflata var. gracilis** (C. Bab.) Müll. Arg

Flora, Jena 71: 131. 1988

Nakai T 1918b; Sato T 1939; Kim SH 1981; Ri JD 1988

**Ramalina kurokawae** Kashiw.

Bull. natn. Sci. Mus., Tokyo B 22: 55. 1996

Moon KH 1999

**Ramalina litoralis** Asahina 물가돌탕자나무지의

J. Jpn. Bot. 15: 250. 1939

Kashiwadani H et al. 2002

**Ramalina pertusa** Kashiw. 갈래갈래탕자나무지의

Mem. Natn Sci. Mus, Tokyo 18: 102. 1985

Hur JS et al. 2004a

*Ramalina subgeniculata* auct. : Ri JD 1988; Huneck S et al. 1989

**Ramalina peruviana** Ach. 작은머위탕자나무지의

Lich. univ.: 599. 1810

*Ramalina farinacea* auct. : Nakai T 1918b; Sato T 1939

*Ramalina intermediella* Vain. : Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988

**Ramalina pseudosekika** Asahina

J. Jpn. Bot. 17: 139. 1941

Asahina Y 1941b; Kim SH 1981; Ri JD 1988

**Ramalina pumila** Mont.

Ann. Sci. Nat. Bot. ser. 2. 20: 356. 1843

Kashiwadani H & Moon KH 2002

**Ramalina roesleri** (Hochst. ex Schaer.) Nyl. 가는탕자나무지의

Bull. Soc. linn. Normandie sér. 2. 4: 165. 1870

Ri JD & Hyun JG 1988; Ri JD 1988; Huneck S et al. 1989; Ri JD 2000

**Ramalina sekika** Asahina

J. Jpn. Bot. 17: 138. 1941

Zhang LL et al. 2012

**Ramalina siliquosa** (Huds.) A.L. Sm. 갯바위탕자나무지의

Monogr. Brit. Lich. 1: 172. 1918

Kashiwadani H et al. 2002

*Ramalina crassa* (Delise ex Nyl.) Motyka : Ri JD 1988

*Ramalina scopulorum* (Ach.) Ach. : Asahina Y 1939; Sato T 1939; Kim SH 1981

**Ramalina sinensis** Jatta 넓은잎탕자나무지의

Nuovo Giorn. Bot. Ital. 9: 262. 1902

Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Moon KH 1997;

Moon KH 1999; Ri JD 2000; Hur JS et al. 2004a

*Ramalina asahinana* Zahlbr. : Ueda T 1934; Asahina Y 1939; Sato T 1939

**Ramalina yasudae** Räsänen 바위꽃탕자나무지의

J. Jpn. Bot. 16: 87. 1940

Kim SH 1979; Kim SH 1980; Kim SH 1981; Ri JD 1988; Park YS 1990; Huneck S et al. 1994; Moon KH 1998; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a; Ohmura Y et al. 2008

*Ramalina pollinaria* auct. : Kashiwadani H & Moon KH 2003

*asahinana* Zahlbr. → *Ramalina sinensis*

*calicaris* auct. → *Ramalina conduplicans*

*calicaris* var. *subfastigiata* Nyl. → *Ramalina conduplicans*

*crassa* (Delise ex Nyl.) Motyka → *Ramalina siliquosa*

*farinacea* auct. → *Ramalina peruviana*

*intermediella* Vain. → *Ramalina peruviana*

*pollinaria* auct. → *Ramalina yasudae*

*scopulorum* (Ach.) Ach. → *Ramalina siliquosa*

*subgeniculata* Nyl. → *Ramalina fastigiata*  
*subgeniculata* auct. → *Ramalina pertusa*

## **RELICINA** (Hale & Kurok.) Hale 굽은털노란지의속

### **Relicina abstrusa** (Vain.) Hale 굽은털노란지의

Phytologia 28: 484. 1974

*Parmelia relicina* auct. : Cho SS & Lee YN 1980

### **Relicina limbata** (Laurer) Hale

Phytologia 28: 484. 1974

*Parmelia limbata* Laurer : Park ST 1979

## **RHIZOCARPON** Ramond ex DC 치즈지의속

### **Rhizocarpon alpicola** (Wahlenb.) Rabenh

Flecht. Europ. 22: no. 618. 1861

Joshi Y et al. 2010d

### **Rhizocarpon geographicum** (L.) DC. 치즈지의

in Lamarck & de Candolle, Fl. franç., Edn 3 (Paris) 2: 365. 1805

Ueda T 1934; Sato T 1939; Kim SH 1981; Ri JD 1988; Moon KH 1999

*Rhizocarpon geographicum* var. *atrovirens* (L.) Körb. : Takenaka K 1933; Sato T 1939;  
Kim SH 1981

### **Rhizocarpon grande** (Flörke ex Flot.) Arnold

Flora, Jena 54: 149. 1871

Joshi Y et al. 2010d

### **Rhizocarpon lavatum** (Fr.) Hazsl.

Magyar Birodalom Zuzmó-Flórájá: 206. 1884

Joshi Y et al. 2010d

*geographicum* var. *atrovirens* (L.) Körb. → *Rhizocarpon geographicum*

## **RIMELIA** Hale & A. Fletcher

*clavulifera* (Räsänen) Kurok. → *Parmotrema clavuliferum*

*reticulata* (Taylor) Hale & Fletcher → *Parmotrema reticulatum*



## **RINODINA** (Ach.) Gray 비스킷지의속

### **Rinodina membranifera** (Hue) Zahlbr.

Zahlbr. Cat. Lich. Univ. 7: 527. 1931

Kim SH 1981

*Lecanora membranifera* Hue : Hue A 1909

### **Rinodina oreina var. hueana** (Vain) Zahlbr.

Transbaikalische Lichenen. - Trav. Sect. d'Amour Soc. Imp. Russe Géogr. 12: 94. 1911

*Lecanora hueana* (Vain.) Hue : Hue A 1909

### **Rinodina oreina var. hueana f. microcarpa** (Hue) Zahlbr.

Zahlbr. Cat. Lich. Univ. 7: 564. 1930

Kim SH 1981 (as *Rinodina oreina* f. *microcarpa* (Hue) Zahlbr.)

*Lecanora hueana* f. *microcarpa* Hue : Hue A 1909

## **ROPALOSPORA** A.Massal.

### **Ropalospora viridis** (Tønsberg) Tønsberg

Sommerfeltia 14: 293. 1992

Moon KH 1999

## **SARCOGRAPHA** Fée 별받침지의속

### **Sarcographa tricosia** (Ach.) Müll. Arg. 별받침지의

Mém. Soc. Phys. Hist. nat. Genève 29: 63. 1887

Joshi Y et al. 2009a

## **SARCOGYNE** Flot.

### **Sarcogyne privigna** (Ach.) A. Massal.

Geneac. lich. (Verona): 10. 1854

Joshi Y et al. 2011c

## **SCOLICIOSPORUM** A. Massal.

### **Scoliciosporum umbrinum** (Ach.) Arnold

Flora, Jena 54: 50. 1871

Joshi Y et al. 2011c

## **SCULPTOLUMINA** Marbach

### **Sculptolumina japonica** (Tuck.) Marbach

Bibliotheca Lichenol. 74: 296. 2000

Joshi Y et al. 2010a

## **SPHAEROPHORUS** Pers. 산호지의속

### **Sphaerophorus fragilis** (L.) Pers. 구름산호지의

Ann. Bot. (Usteri) 1: 23. 1794

Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

### **Sphaerophorus meiophorus** (Nyl.) Vain.

Bot. Magaz., Tokyo 35: 74. 1921

Lee YN & Ju SW 1956; Kim SH 1981

## **SPHINCTRINA** Fr.

### **Sphinctrina leucopoda** Nyl.

Flora 42: 44. 1859

Thor G et al. 2008

## **STAUROLEMMMA** Körb

### **Staurolemma perforatum** P.M. Jørg.

Nova Hedwigia 90: 155. 2010

Jørgensen PM 2010

*Staurolemma omphalarioides* (Anzi) P.M. Jørg. & Henssen : Moon KH 1999

*omphalarioides* (Anzi) P.M. Jørg. & Henssen → *Staurolemma perforatum*

## **STAUROTHELE** Norman 녹색갑옷미늘지의속

### **Staurothele iwatsukii** H. Harada

Nat. Hist. Res. 2: 39. 1992

Moon KH & Aptroot A 2009

**Staurothele rugulosa** (A. Massal.) Arnold

Verh. zool.-bot. Ges. Wein 47: 389. 1897

Moon KH & Aptroot A 2009

**STEREOCAULON** Hoffm. 나무지의속

**Stereocaulon apocalypticum** Nyl. 넓은잎나무지의

in Middendorff, Reise Sibir. 4: Iv. 1867

Kim SH 1981; Ri JD 1988

**Stereocaulon commixtum** (Asahina) Asahina

J. Jpn. Bot. 44: 263. 1969

Park YS 1990; Moon KH 1998; Moon KH 1999

**Stereocaulon curtatum** Nyl. 깊은산나무지의

Lich. Japon: 18. 1890

Kim SH 1979; Kim SH 1980; Kim SH 1981; Ri JD 1988

**Stereocaulon dendroides** Asahina

J. Jpn. Bot. 36: 231. 1961

Park YS 1990; Kashiwadani H et al. 2002

**Stereocaulon exutum** Nyl. 나무지의

Lich. Japon: 18. 1890

Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Kashiwadani H et al. 2002; Hur JS et al. 2004a

**Stereocaulon intermedium** (Savicz) H. Magn. 산호나무지의

Lich. Sele. Scan. Exs. 23. 1926

Kim SH 1980; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Ri JD 2000; Kashiwadani H et al. 2002

*Stereocaulon coralloides* Fr. : Ueda T 1934; Sato T 1939; Kim SH 1981

**Stereocaulon japonicum** Th. Fr. 산나무지의

De Stereoc. et Pilophor. Comment. 18. 1857

Kim SH 1979; Kim SH 1980; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Huneck S et al. 1989; Park YS 1990; Huneck S et al. 1994; Moon KH 1998; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a

**Stereocaulon myriocarpum** Th. Fr. 숲나무지의

De Stereoc. et Pilophor. Comment. 15. 1857

Ri JD & Hyun JG 1988; Ri JD 1988

**Stereocaulon nigrum** Hue

Nouv. Arch. Mus. Hist. Nat., Paris ser. 3. 10: 248. 1898

Park YS 1990

**Stereocaulon octomerum** Müll. Arg.

Flora 74: 109. 1891

Park YS 1990; Kashiwadani H et al. 2002

**Stereocaulon paschale** (L.) Hoffm. 구름나무지의

Deutschl. Fl., Zweiter Theil (Erlangen). 1796

Ueda T 1934; Sato T 1939; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

**Stereocaulon pileatum** Ach.

Lich. univ.: 1-696. 1810

Moon KH 1999; Kashiwadani H et al. 2002

**Stereocaulon sasakii** Zahlbr. 송이나무지의

Fedde, Repertor. 33: 48. 1933

Ri JD & Hyun JG 1988; Ri JD 1988

**Stereocaulon soreidiiferum** Hue 큰키나무지의

Nouv. Arch. du Mus. ser. 3. 10: 250. 1898

Park YS 1990; Kashiwadani H et al. 2002; Hur JS et al. 2004a

**Stereocaulon verruculigerum** Hue

Bull. Soc. Bot., France 54: 417. 1907

Park YS 1990; Moon KH 1998; Kashiwadani H et al. 2002

**Stereocaulon vesuvianum** Pers. 잣빛나무지의

Ann. Wetter. Gesellsch. Ges. Naturk. 2: 19. 1811

Park YS 1990; Kashiwadani H et al. 2002

*coralloides* Fr. → *Stereocaulon intermedium*

**STICTA** (Schreb.) Ach. 갑옷지의속

**Sticta fuliginosa** (Dicks.) Ach. 고약지의

Method. Lich.: 280. 1803

Kim SH 1979; Kim SH 1980; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988

**Sticta limbata** (Sm.) Ach. 가루갑옷지의

Method. Lich.: 280. 1803

Ri JD & Hyun JG 1988; Ri JD 1988

**Sticta nylanderiana** Zahlbr. 둥근잎갑옷지의

Zahlbr. Cat. Lich. Univ. 3: 356. 1925

Kim SH 1980; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990

*Sticta platyphylla* auct. : Tou JB 1935; Sato T 1939

**Sticta weigeli** Isert 돌기갑옷지의

in Acharius, Acta Soc. Fauna Flora fenn. 7: 189. 1890

Ri JD 1988; Moon KH 1999

**Sticta wrightii** Tuck. 후엽갑옷지의

Americ. Journ. Arts and Scienc. ser. 2. 28: 204. 1859

Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000; Kashiwadani H et al. 2002; Hur JS et al. 2004a

*Sticta miyoshiana* Müll. Arg. : Nakai T 1917; Sato T 1939; Kim SH 1981

**Sticta yatabeana** Müll. Arg. 야타베갑옷지의

Flora 74: 111. 1891

Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Moon KH 1999

*miyoshiana* Müll. Arg. → *Sticta wrightii*

*mougeotiana* Delise → *Pseudocyphellaria crocata*

*platyphylla* auct. → *Sticta nylanderiana*

*pulmonacea* auct. → *Lobaria linita*

**STRIGULA** Fr. 청엽지의속

**Strigula nemathora** Mont.

in Sagra, Historia fisica, polirica y naytural de la islea de Cuba 2: 139. 1842

Moon KH & Aptroot A 2009

**Strigula pallida** Aptroot & K.H. Moon

Bibliotheca Lichenol. 99: 308. 2009

Moon KH & Aptroot A 2009

**Strigula smaragdula** Fr.

Linnaea 5: 550. 1830

Moon KH & Aptroot A 2009

**SULCARIA** (Bystrek) 원형끈지의속

**Sulcaria sulcata** (Lév.) Bystrek 원형끈지의

Annlis Univ. Mariae Curie-Skłodowska, Sect. C, Biol. 26: 276. 1971

Park YS 1990; Moon KH 1999

*Alectoria sulcata* (Lév.) Nyl. : Lee YN & Ju SW 1956; Kim SH 1979; Kim SH 1981; Ri JD 1988

**Sulcaria virens** (Taylor) Bystrek

Annlis Univ. Mariae Curie-Skłodowska, Sect. C, Biol. 26: 276. 1971

*Alectoria virens* Taylor : Ri JD 1988

**SYNALISSA** Fr.

**Synalissa ramulosa** (Hoffm. Ex Bernh.) Fr.

Syst. Lich. Germ. (Bredau): 287. 1855

Schults M & Moon KH 2011

**SYNECHOBLASTUS** Trevis.

*bicaudatus* Müll. Arg. → *Collema japonicum*

**TELOSCHISTES** Norman 붉은녹지의속

**Teloschistes flavicans** (Sw.) Norman

Nytt Mag. Natur. 7: 229. 1853

Sato M 1940a; Ri JD 1988

**TEPHROMELA** M. Choisy 검은접시지의속

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

in Kalb, Lichenes Neotropici, Fascicle VII (nos 251-300) (Neumarkt) 7: no. 297. 1983  
Moon KH 1999

*Lecanora atra* Huds. : Kim SH 1980; Kim SH 1981; Ri JD 1988

**Tephromela atra var. torulosa** (Flörke ex Flot.) Hafellner

Herzogia 9: 90. 1992

Huneck S et al. 1994

**THAMNOLIA** Ach. 벌레지의속

**Thamnolia subuliformis** (Ehrh.) W.L. Culb. 영구서리지의

Brittonia 15: 144. 1963

Kim SH 1980; Kim SH 1981; Ri JD 1988

*Thamnolia subvermicularis* Asahina : Asahina Y & Sato M 1939

**Thamnolia vermicularis** (Sw.) Schaer. 서리지의

Enum. critic. lich. europ. (Bern): 243. 1850

Nakai T 1917; Ueda T 1934; Asahina Y & Sato M 1939; Sato T 1939; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

*subvermicularis* Asahina → *Thamnolia subuliformis*

**THELIDIUM** A. Massal. 둥근지의속

**Thelidium minutulum** Körb.

Parerga lichenol. (Breslau): 351. 1863

Moon KH & Aptroot A 2009

**THELOCARPON** Nyl.

**Thelocarpon nigrum** Aptroot & K.H. Moon

Bibliotheca Lichenol. 99: 309. 2009

Moon KH & Aptroot A 2009

**THELOPSIS** Nyl.

**Thelopsis muriformis** Aptroot & K.H. Moon

Bibliotheca Lichenol. 99: 309. 2009  
Moon KH & Aptroot A 2009

**THELOTREMA** Ach. 부황기지의속

**Thelotrema desquamescens** Vain. 곰보부황기지의

Bot. Mag., Tokyo 35: 71. 1921

*Leucodecton desquamescens* (Vain.) Lücking : Joshi Y et al. 2010c

**Thelotrema diplotrema** Nyl.

Annl. Sci. Nat. Bot. sér. 4. 11: 258. 1859

Joshi S et al. 2012b

**Thelotrema lepademersum** Nagarkar, Sethy & Patw.

Kavaka 13: 59. 1987

Joshi S et al. 2012b

**Thelotrema lepadinum** (Ach.) Ach.

Method. Lich.: 132. 1803

Joshi S et al. 2012b

**Thelotrema similan** Nyl.

Lich. Japon: 58. 1890

Joshi S et al. 2012b

**Thelotrema subtile** Tuck.

Amer. J. Sci. Arts 25: 426. 1858

Joshi Y et al. 2009b

**THYREA** A. Massal.

**Thyrea confusa** Henssen

Lichnologist 22: 146. 1990

Schults M & Moon KH 2011

**TONINIA** A. Massal.

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



Ric. auton. lich. crost. (Verona): 107. 1852  
Joshi Y et al. 2011c

## **TRYPETHELIUM** Spreng. 유두지의속

### **Trypethelium cinereoglaucescens** (Vain.) R.C. Harris

Lichenogr. Thomsoniana, North American Lichenology in Honor of John W. Thomson  
(Ithaca): 141. 1998  
Moon KH & Aptroot A 2009

### **Trypethelium dissimilum** Makhija & Patw.

J. Hattori Bot. Lab. 73: 195. 1993  
Moon KH & Aptroot A 2009

## **TUCKERMANOPSIS** Gyeln. 수염전복지의속

### **Tuckermanopsis gilva** (Asahina) M.J. Lai 수염전복지의

Quart. Journ. Taiwan Mus. 33: 225. 1980  
*Cetraria gilva* Asahina : Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

*hepatizon* (Ach.) Kurok. → *Melanelia hepatizon*

## **TUCKNERARIA** Randle & A. Thell 얇은겹질지의속

### **Tuckneraria laureri** (Kremp.) Randle & A. Thell

Acta bot. fenn. 150: 149. 1994  
*Cetraria laureri* Kremp. : Ri JD 1988

### **Tuckneraria pseudocomplicata** (Asahina) Randle & Saag 얇은겹질지의

Acta bot. fenn. 150: 150. 1994  
Moon KH 1999  
*Nephromopsis pseudocomplicata* (Asahina) M.J. Lai : Park YS 1990

## **UMBILICARIA** Hoffm. 석이지의속

### **Umbilicaria caroliniana** Tuck. 주름석이지의

Proc. Amer. Acad. Arts & Sci. 12: 167. 1877  
Kim SH 1979; Kim SH 1980; Kim SH 1981; Li YJ (= Ri JD) 1986; Ri JD & Hyun JG 1988;

Ri JD 1988; Ri JD 2000

**Umbilicaria deusta** (L.) Baumg. 구름석이지의

Fl. Lips.: 571. 1790

Li YJ (= Ri JD) 1986; Ri JD & Hyun JG 1988; Ri JD 1988

**Umbilicaria esculenta** (Miyoshi) Minks 석이

Mém. Herb., Boissier 21: 46. 1900

Ban JW 1983; Li YJ (= Ri JD) 1986; Ri JD & Hyun JG 1988; Ri JD 1988; Huneck S et al. 1989; Park YS 1990; Wei JC 1993; Huneck S et al. 1994; Moon KH 1998; Moon KH 1999; Ri JD 2000; Hur JS et al. 2004a

*Gyrophora esculenta* Miyoshi : Nakai T 1918b; Asahina Y & Sato M 1939; Sato T 1939; Lee YN & Ju SW 1956; Kim SH 1981

**Umbilicaria kisovana** (Zahlbr. ex M. Satô) Zahlbr. 작은석이지의

Zahlbr. Cat. Lich. Univ. 10: 405. 1940

Kim SH 1981; Li YJ (= Ri JD) 1986; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Wei JC 1993; Huneck S et al. 1994; Moon KH 1998; Moon KH 1999; Kashiwadani H et al. 2002; Hur JS et al. 2004a

*Gyrophora kisovana* Zahlbr. ex M. Satô : Sato M 1940a; Kim SH 1981

**Umbilicaria muehlenbergii** (Ach.) Tuck. 큰뿔주름석이지의

Enum. N. America Lich.: 55. 1845

Li YJ (= Ri JD) 1986; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

**Umbilicaria proboscidea** (L.) Schrad. 무에석이지의

Spicil. Fl. Germ. 1: 103. 1794

Li YJ (= Ri JD) 1986; Ri JD & Hyun JG 1988; Ri JD 1988

*Gyrophora proboscidea* (L.) Ach. : Takenaka K 1933; Sato T 1939; Kim SH 1981; Ri JD 2000

**Umbilicaria vellea** (L.) Ach. 깊은산석이지의

K. Vetensk-Acad. Nya Handl. 15: 101. 1794

Li YJ (= Ri JD) 1986; Ri JD & Hyun JG 1988; Ri JD 1988; Moon KH 1999

*asiae-orientalis* auct. → *Lasallia sinorientalis*

*pennsylvanica* Hoffm. → *Lasallia pennsylvanica*

*pustulata* auct. → *Lasallia sinorientalis*

**USNEA** Dill. Ex Adans. 송라속

**Usnea baileyi** (Stirt.) Zahlbr.

Denkschr. Kaiserl. Akad. Wiss., Math.-Naturwiss. Kl. 83: 183. 1909

Ri JD 1988

**Usnea dasaea** Stirt.

Scott. Natural. 6: 104. 1881

*Usnea spinigera* Asahina : Ri JD 1988; Ri JD 2000

**Usnea diffracta** Vain. 송라

Bot. Mag., Tokyo 35: 45. 1921

Sato T 1939; Asahina Y 1956; Lee YN & Ju SW 1956; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Park YS 1990; Moon KH 1999; Ri JD 2000; Kashiwadani H et al. 2002

*Usnea plicata* var. *annulata* Müll. Arg. : Nakai T 1918b; Sato T 1939; Asahina Y 1956; Kim SH 1981

**Usnea hakonensis** Asahina 슬송라

Lichens of Japan, III. Genus *Usnea* p. 77. 1956

Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

**Usnea longissima** Ach. 실송라

Lich. univ.: 626. 1810

Nakai T 1918a; Sato T 1939; Kim SH 1980; Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

*Usnea longissima* subsp. *jesoensis* Asahina : Ueda T 1934; Sato T 1939; Kim SH 1981; Ri JD 1988

**Usnea nipparensis** Asahina

Lichens of Japan, III. Genus *Usnea* p. 91. 1956

Asahina Y 1972; Kim SH 1981; Ri JD 1988; Park YS 1990

**Usnea pangiana** Stirt.

Scottish Natural. 7: 77. 1883

Kim SH 1981

*Usnea pangiana* subsp. *hondoensis* (Asahina) Asahina : Kim SH 1980

**Usnea praetervisa** (Asahina) P. Clerc

Bibliothca Lichenol. 88: 85. 2004

*Usnea comosa* subsp. *praetervisa* Asahina : Asahina Y 1956

**Usnea rubicunda** Stirt.

Scott. Natural. 6: 102. 1881

Ri JD 1988

**Usnea rubrotincta** Stirt. 붉은수염송라

Scott. Natural. 6: 103. 1881

Oh SO et al. 2007

*Usnea rubescens* Stirt. : Kim SH 1980; Ri JD & Hyun JG 1988; Ri JD 1988

**Usnea subfloridana** Stirt. 꼭지송이지의

Scott. Natural. 6: 294. 1882

*Usnea comosa* (Ach.) Röhl. : Kim SH 1981; Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

*Usnea comosa* subsp. *colorans* Asahina : Asahina Y 1956; Ri JD 1988

*Usnea comosa* subsp. *eucomosa* Motyka : Asahina Y 1956

**Usnea trichodeoides** Vain. 작은돌기송라

Ann. Acad. Sci. fenn. Ser. A 6: 8. 1915

*Usnea longissima* subsp. *sensibilis* Asahina : Huneck S et al. 1989

*Usnea montis-fuji* Motyka : Ueda T 1934; Sato T 1939; Kim SH 1981; Ri JD 1988

**Usnea wathmuthii** Räsänen

Die Flecht. Estl. 1: 19. 1931

*Usnea comosa* subsp. *melanopoda* Asahina : Asahina Y 1956

*comosa* (Ach.) Röhl. → *Usnea subfloridana*

*comosa* subsp. *colorans* Asahina → *Usnea subfloridana*

*comosa* subsp. *eucomosa* Motyka → *Usnea subfloridana*

*comosa* subsp. *melanopoda* Asahina → *Usnea wathmuthii*

*comosa* subsp. *praetervisa* Asahina → *Usnea praetervisa*

*longissima* subsp. *jesoensis* Asahina → *Usnea longissima*

*longissima* subsp. *sensibilis* Asahina → *Usnea trichodeoides*

*montis-fuji* Motyka → *Usnea trichodeoides*

*pangiana* subsp. *hondoensis* (Asahina) Asahina → *Usnea pangiana*

*plicata* var. *annulata* Müll. Arg. → *Usnea diffracta*

*rubescens* Stirt. → *Usnea rubrotincta*

*spinigera* Asahina → *Usnea dasaea*

**VAHLIELLA** P.M. Jørg.

**Vahliella leucophaea** (Vahl) P.M. Jørg.

Lichenologist 40: 224. 2008

*Hueella faurii* (Hue) Zahlbr. : Zahlbruckner's Catalogus; Kim SH 1981

*Massalongia faurii* (Hue) Zahlbr. : Zahlbruckner's Catalogus

*Pannaria faurii* Hue : Zahlbruckner's Catalogus

*Parmeliella microphylla* (Sw.) Müll. Arg : Kim SH 1981

**VERRUCARIA** Schrad. 구멍사마귀지의속

**Verrucaria aquatilis** Mudd

Man. Brit. Lich.: 285. 1861

Moon KH & Aptroot A 2009

**Verrucaria aucklandica** Zahlbr.

Denkschr. Kaiserl. Akad. Wiss. Wien, Math.-Naturwiss. Kl. 104: 250. 1941

Moon KH & Aptroot A 2009

**Verrucaria baldensis** A. Massal.

Ric. auton. lich. crost. (Verona): 173. 1852

Moon KH & Aptroot A 2009

**Verrucaria calciseda** DC.

in Lamarck & de Candolle, Fl. franç., Edn 3 (Paris) 2: 317. 1805

Moon KH & Aptroot A 2009

**Verrucaria dolosa** Hepp

Flecht. Europ.: no. 689. 1860

Moon KH & Aptroot A 2009

**Verrucaria fuscella** (Turner) Winch

Botanist's Guide Northumberland Durham 2: 45. 1807

Moon KH & Aptroot A 2009

**Verrucaria fusconigrescens** Nyl.

Bull. Soc. linn. Normandie sér. 2. 6: 313. 1872  
Moon KH & Aptroot A 2009

**Verrucaria halizoa** Leight.

Lich. Fl. Great Brit. Irel. (London): 461. 1871  
Moon KH & Aptroot A 2009

**Verrucaria internigrescens** (Nyl.) Erichsen

Verh. bot. Ver. Prov. Brandenb. 70: 193. 1928  
Moon KH & Aptroot A 2009

**Verrucaria macrostoma** Dufour ex DC.

in Lamarck & de Candolle, Fl. franç., Edn 3 (Paris) 2: 319. 1805  
Moon KH & Aptroot A 2009

**Verrucaria marmorea** (Scop.) Arnold

Flora (Regensburg) 68: 73. 1885  
Moon KH & Aptroot A 2009

**Verrucaria microsporoides** Nyl.

Bull. Soc. bot. Fr. 8: 759. 1861  
Moon KH & Aptroot A 2009

**Verrucaria muralis** Ach.

Method. Lich.: 115. 1803  
Moon KH & Aptroot A 2009; Joshi Y et al. 2009b

**Verrucaria nigrescens** Pers.

Ann. Bot. (Usteri) 15: 36. 1795  
Moon KH & Aptroot A 2009

**Verrucaria ochrostoma** (Borrer ex Leight.) Trevis.

in Schaerer, Lich. helv. spicil. 7: 347. 1836  
Moon KH & Aptroot A 2009

**Verrucaria pinguicula** A. Massal.

Lotos 6: 80. 1856  
Moon KH & Aptroot A 2009

**Verrucaria praetermissa** (Trevis.) Anzi

Comm. Soc. crittog. Ital. 2: 24. 1864

Moon KH & Aptroot A 2009

**Verrucaria prominula** Nyl.

Bull. Soc. Bot. Fr. 8: 758. 1863

Moon KH & Aptroot A 2009

**Verrucaria rheithrophila** Zschacke

Verh. bot. Ver. Prov. Brandenb. 64: 108. 1922

Moon KH & Aptroot A 2009

**VULPICIDA** Mattsson & M.J. Lai 눈잣나무지의속

**Vulpicida juniperinus** (L.) J.-E. Mattsson & M.J. Lai 눈잣나무지의

Mycotaxon 46: 427. 1993

*Cetraria juniperina* (L.) Ach. : Nakai T 1917; Sato T 1939; Park ST 1976; Kim SH 1981;

Ri JD 1988; Ri JD 2000

**Vulpicida pinastri** (Scop.) J.-E. Mattsson 황금눈잣나무지의

Mycotaxon 46: 428. 1993

*Cetraria pinastri* (Scop.) Gray : Ri JD & Hyun JG 1988; Ri JD 1988; Ri JD 2000

**XANTHOPARMELIA** (Vain.) Hale 국화잎지의속

**Xanthoparmelia botryoides** Kurok. 불링핀국화잎지의

J. Jpn. Bot. 64: 293. 1989

Moon KH 1998; Moon KH 1999; Kashiwadani H et al. 2002

*Parmelia subramigera* auct. : Park ST 1976; Cho SS & Lee YN 1980; Kim KS 1983; Lee DY 1987; Ri JD & Hyun JG 1988; Ri JD 1988; Huneck S et al. 1989; Ri JD 2000

[Note 8]

*Xanthoparmelia subramigera* auct. : Park YS 1990; Wang XY et al. 2008a [Note 8]

**Xanthoparmelia claviculata** Kurok.

J. Jpn. Bot. 64: 296. 1989

Wang XY et al. 2008a

**Xanthoparmelia congensis** (J. Steiner) Hale

Phytologia 28: 486. 1974

Zhang LL et al. 2012

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

Phytologia 28: 485. 1974

Wang XY et al. 2008a

*Parmelia conspersa* (Ehrh. ex Ach.) Ach. : Kim SH 1965; Park ST 1976; Park ST 1979; Kim SH 1980; Kim SH 1981; Ri JD 1988; Ri JD 2000

**Xanthoparmelia coreana** (Gyeln.) Hale 밤색국화잎지의

Mycotaxon 33: 402. 1988

Park YS 1990; Huneck S et al. 1994; Moon KH 1998; Moon KH 1999; Kashiwadani H et al. 2002; Wang XY et al. 2008a

*Parmelia conspersa* var. *isidiosula* auct. : Asahina Y 1952b

*Parmelia coreana* Gyeln. : Gyelnik V 1931; Kim SH 1965; Kim SH 1981

*Parmelia mexicana* auct. : Park ST 1976; Ban JW 1983; Kim KS 1983; Lee DY 1987; Ri JD 1988; Huneck S et al. 1989 [Note 9]

*Xanthoparmelia mexicana* auct. : Park YS 1990; Moon KH et al. 1991 [Note 9]

*Xanthoparmelia plittii* (Gyeln.) Hale : Ko MJ 1991

**Xanthoparmelia hirosakiensis** (Gyeln.) Kurok 유사국화잎지의

J. Jpn. Bot. 64: 289. 1989

Moon KH 1999; Kashiwadani H et al. 2002; Wang XY et al. 2008a

*Parmelia piedmontensis* auct. : Cho SS & Lee YN 1980 [Note 11]

*Parmelia subramigera* auct. : Park ST 1976; Cho SS & Lee YN 1980; Kim KS 1983; Lee DY 1987; Ri JD & Hyun JG 1988; Ri JD 1988; Huneck S et al. 1989; Ri JD 2000 [Note 8]

*Xanthoparmelia piedmontensis* auct. : Park YS 1990; Ko MJ 1991 [Note 11]

*Xanthoparmelia subramigera* auct. : Park YS 1990; Wang XY et al. 2008a [Note 8]

**Xanthoparmelia mexicana** (Gyeln.) Hale 담색국화잎지의 [Note 9]

Phytologia 28: 488. 1974

Park YS 1990; Wang XY et al. 2008a

**Xanthoparmelia orientalis** Kurok. 검은국화잎지의

J. Jpn. Bot. 64: 169. 1989

Moon KH 1999; Kashiwadani H et al. 2002

*Xanthoparmelia coreana* auct. : Park YS 1990 [Note 10]

**Xanthoparmelia scabrosa** (Taylor) Hale



Phytologia 28: 488. 1974

Moon KH et al. 1991

*Parmelia scabrosa* Taylor : Lee DY 1987

**Xanthoparmelia somloënsis** (Gyeln.) Hale 작은국화잎지의

in Ahti, Brodo & Noble, Mycotaxon 28: 96. 1987

Huneck S et al. 1994

*Parmelia somloënsis* Gyeln. : Huneck S et al. 1989

**Xanthoparmelia subpolyphylloides** (Gyeln.) Kurok.

J. Jpn. Bot. 66: 159. 1991

*Parmelia taractica* Kremp. : Cho SS & Lee YN 1980; Ri JD & Hyun JG 1988; Ri JD 1988

**Xanthoparmelia tuberculiformis** Kurok.

J. Jpn. Bot. 64: 291. 1989

Moon KH 1999; Kashiwadani H et al. 2002; Wang XY et al. 2008a

*Parmelia piedmontensis* Hale : Cho SS & Lee YN 1980 [Note 11]

*Xanthoparmelia piedmontensis* (Hale) Hale : Park YS 1990; Ko MJ 1991 [Note 11]

*coreana* auct. → *Xanthoparmelia orientalis*

*mexicana* auct. → *Xanthoparmelia coreana*

*piedmontensis* auct. → *Xanthoparmelia hirosakiensis* or *X. tuberculiformis*

*plittii* (Gyeln.) Hale → *Xanthoparmelia coreana*

*subramigera* auct. → *Xanthoparmelia botryoides* or *X. hirosakiensis*

**XANTHORIA** (Fr.) Th. Fr. 붉은녹꽃잎지의속

**Xanthoria elegans** (Link) Th. Fr.

Lich. Arctoi. 69. 1860

Hur JS et al. 2004a

*Caloplaca elegans* (Link.) Th. Fr. : Sato M 1934; Sato M 1936; Asahina Y & Sato M 1939; Sato T 1939; Kim SH 1981

**Xanthoria mandshurica** (Zahlbr.) Asahina 붉은녹꽃잎지의

J. Jpn. Bot. 29: 290. 1954

Ri JD & Hyun JG 1988; Ri JD 1988; Kashiwadani H et al. 2002

*fallax* (Hepp ex Arnold) Arnold → *Oxneria fallax*

## Remarks

### [Note 1]

In the present checklist, these species are listed under the genus *Aspicilia*, though they were reported under the genus *Aspicilia* (Hue 1912) or the genus *Lecanora* (Zahlbruckner 1928). Korean species of *Aspicilia* need further taxonomic study.

### [Note 2]

The genus *Blastenia* was synonymized under the genus *Caloplca*; however, many Korean species reported under the genus *Blastenia* require more taxonomical study.

### [Note 3]

The current name for this species is *Dimelaena oreina* (Ach.) Norman. Hue (1909) first reported this species as *Lecanora oreina* (Ach.) Ach.; however, this taxon was also treated under the genus *Rinodina* (Zahlbrucker 1930).

### [Note 4]

These species were reported under the genus *Lecanora* (Hue 1930), but they were later replaced to the genus *Caloplaca* by Zahlbruckner (1930). In the present checklist, they are treated under the genus *Lecanora*, but further taxonomic study is required for the Korean species of *Caloplaca*.

### [Note 5]

This species was reported by Hue (1913) under the genus *Lecidea*, but it was replaced to the genus *Caloplaca* by Zahlbruckner (1930). In the present checklist, this species is treated under the genus *Lecidea*, but further taxonomic study is necessary for this Korean species.

### [Note 6]

Hue (1909) reported this species from Korea as *Lecanora hueana* (Vain.) Hue, but later this species was transferred to *Rinodina oreina* var. *hueana* (Vain.) Zahlbr. by Zahlbruckner (1911). Further taxonomical study is required for this species in Korea.

### [Note 7]

Hue (1909) reported this species from Korea as *Lecanora hueana* f. *microcarpa* Hue, but it was transferred to *Rinodina oreina* var. *hueana* f. *microcarpa* (Hue) Zahlbr. by Zahlbruckner (1930). Critical taxonomic study is required for species of the genus *Rinodina* in Korea.

**[Note 8]**

Almost all Korean specimens reported as *Parmelia subamigera* or *Xanthoparmelia subamigera* are now correctly identified as *Xanthoparmelia botryoides* Kurok. or *X. hirosakiensis* (Gyeln.) Kurok. (Kurokawa 1989b; Moon KH 1999).

**[Note 9]**

Almost all Korean specimens reported as *Parmelia mexicana* Gyeln. or *Xanthoparmelia mexicana* (Gyeln.) Hale are now treated as *Xanthoparmelia coreana* (Gyeln.) Hale (Moon KH 1999).

*Xanthoparmelia coreana* resembles *X. mexicana*, but the lobes differ in having a chestnut brown lower surface while in the latter species they have a pale ivory lower surface.

**[Note 10]**

Some specimens reported as *Xanthoparmelia coreana* (Gyeln.) Hale by Park YS (1990) are now identified as *Xanthoparmelia orientalis* Kurok. (Moon KH 1999).

**[Note 11]**

Korean specimens recorded under *Parmelia piedmontensis* Hale and *Xanthoparmelia piedmontensis* (Hale) Hale were identified with *Xanthoparmelia hirosakiensis* (Gyeln.) Kurok. or *X. tuberculiformis* Kurok. (Kurokawa 1989b; Moon KH 1999).

# 지의류 국명역사와 국명제안 기준 권고

지의류의 국명이 처음 출판물로 기재 된 것은 북한의 지의학자 이용대(1988)의 “조선포자식물(지의류)”로 현재까지 보고 있다. 물론 그 이전에 일반인들에 의해 식용이나 한약재로 쓰인 지의의 경우에는 구전으로 전해지는 국명이 종소명 수준에서는 있다 (예, 석이 또는 석이버섯).

모든 지의에 국명이 부여되어 있지는 않지만 한국에서는 학명과 함께 지의의 국명이 기록되는 최초의 종목록이다. 지의류 종목록 기재는 국제적으로 통용되는 기술방식에 따라 속명부터 기재함에 따라 국명도 속명부터 기재하였다.

현재 모든 지의에 대하여 국명이 제정되어 있지 않아 새로 제정 시에는 다음 기준을 참고로 하여 제정할 것을 권고한다.

## 국명제안 기준 권고

1. 속이상의 분류단계는 국명 뒤에 단계를 표시한다.

예) Kingdom Fungi **균계** > Phylum Ascomycota **자낭균문** > Class Lecanoromycetes **접시지의강** > Order Lecanorales **접시지의목** > Family Cladoniaceae **사슴지의과** > Genus Cladonia **사슴지의속**

2. 종명이하의 국명은 속명을 뒤에 붙이는 것을 권고한다.

예) *Cladonia* P. Browne **사슴지의속**  
*Cladonia amaurocraea* (Flörke) Schaer. **뿔사슴지의**

3. 이미 오래전부터 사용한 국명이 있는 경우는 그 국명을 우선으로 쓸 것을 권고한다.

예) *Usnea* Dill. Ex Adans. **송라속**  
*Usnea diffracta* Vain. **송라**

4. 국명을 새로 제정할 경우는 다음 순서에 따라 정할 것을 권고한다.

1) 중국, 일본에서 공통으로 쓰이는 일반명을 참고하여 되도록 같은 의미의 국명을 제정할 것을 권고한다.

2) 중국과 일본에 일반명이 없을 경우 다음단계로 영어권의 일반명 또는 그 이외지역의 일반명을 참고하여 국명을 제정하는 것을 권고한다.

3) 예외 조항

종소명의 일반명은 속명을 뒤에 붙이는 것을 권고하나 위 1)과 2)를 참고로 하여 국명을 새로 제정 시, 해당되는 외국의 일반명에 종소명 뒤 속명이 명기 되어 있지 않을 경우는 예외로 국명의 종소명 뒤에 속명을 기재하지 않아도 된다.

예) *Cladonia* P. Browne **사슴지의속**

*Cladonia chlorophaea* (Flörke ex Sommerf.) Spreng. 갈대기지의

5. 참고할 일반명이 없을 경우는 그 종 또는 속 등의 특징을 가장 잘 표현하는 명칭을 국명으로 제정할 것을 권고한다.
6. 국명은 되도록 순화된 같은 의미의 국어를 사용할 것을 권고한다.

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