



A checklist of endemic plants on the Korean Peninsula II

Gyu Young CHUNG*, Hyun-Do JANG¹, Kae Sun CHANG², Hyeok Jae CHOI³,
Young-Soo KIM⁴, Hyuk-Jin KIM⁴ and Dong Chan SON^{4*}

Department of Forest Science, Andong National University, Andong 36729, Korea

¹*Gardens and Education Research Division, Korea National Arboretum, Pocheon 11186, Korea*

²*DMZ Forest and Biological Resources Conservation Division, Korea National Arboretum, Yanggu 24564, Korea*

³*Department of Biology and Chemistry, Changwon National University, Changwon 51140, Korea*

⁴*Forest Biodiversity Research Division, Korea National Arboretum, Pocheon 11186, Korea*

Corresponding author

Gyu Young CHUNG
E-mail: gychung@andong.ac.kr
Dong Chan SON
E-mail: sdclym@korea.kr

ABSTRACT: Following recent taxonomic, distributional, and nomenclatural revisions, an updated checklist of endemic plants on the Korean Peninsula is needed. This study provides an updated checklist of vascular plants endemic to the Korean Peninsula and describes their distribution within administrative provinces. The revised checklist includes 373 endemic taxa (304 species, six subspecies, 49 varieties, and 14 nothospecies) from 179 genera and 64 families, representing 9.5% of the total native flora of the Korean Peninsula. Asteraceae (41 taxa), Ranunculaceae (29 taxa), Liliaceae s.l. (24 taxa), and Rosaceae (22 taxa) were the most widely represented families. Compared with the most recent checklist published in 2017, 39 taxa were excluded from the checklist; one taxon was excluded because it did not have a valid published name, seven taxa were excluded because their natural habitats extended to neighboring countries, four taxa were excluded because they were treated as a rank form, and 27 taxa were excluded because they had been identified as heterotypic synonyms of taxa distributed outside of the Korean Peninsula. Fifty-two new taxa were included based on the literature. This checklist will help to focus conservation efforts and provide a framework for research, protection, and policy implementation related to these endemic taxa.

Keywords: endemic plants, flora, Korean Peninsula, revised checklist, vascular plants

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INTRODUCTION

Endemic plants refer to plants that grow naturally and exclusively in a specific region, and the distribution of nationally endemic plants is limited to the territory of a country (Siljak-Yakovlev and Peruzzi, 2012; Coelho et al., 2020). Most endemic plants have restricted geographical ranges or population sizes, making them vulnerable to artificial threats and natural changes such as increasing climate change, which can lead to population decline or extinction. Therefore, endemic plants should be prioritized in conservation, and they should be managed as a global concern (Shaffer, 1981; Cahill et al., 2013; Coelho et al., 2020).

Since Nakai (1952) first compiled 1,118 taxa of endemic plants of the Korean Peninsula, subsequent studies have reported varying numbers of taxa (except forms): 387 (Lee, 1984), 465 (Paik, 1999), 340 (Kim, 2004), 326 (Oh et al., 2005), 358 (Korea

Forest Service, 2012), 375 (National Institute of Biological Resources, 2013), and 59 (Park et al., 2013), and 360 (Chung et al., 2017a). However, subsequent studies (e.g., Gil et al., 2019; Sun et al., 2020), have revealed that some taxa previously considered endemic to the Korean Peninsula also occur in neighboring countries such as Russia, China, and Japan, or are treated taxonomically as synonyms of related taxa. Furthermore, recent studies (e.g., Kim et al., 2018; Park et al., 2022) have reported newly identified taxa endemic to the Korean Peninsula. Despite the ongoing inclusion of taxa that should have been excluded, and of newly recorded endemic plants for the Korean Peninsula, there has been a lack of comprehensive data reflecting these changes. To address this gap, this study aimed to provide an updated list of endemic plants of the Korean Peninsula, incorporating new research since Chung et al.'s (2017a) list. This updated list serves as a basis for research and policy activities related to the conservation of endemic plants.

MATERIALS AND METHODS

This study comprises a review of the list of endemic plants compiled by Chung et al. (2017a) and re-evaluation of taxa that were excluded or overlooked at the time of publication. A list was prepared by carefully reviewing relevant Korean and international journals, dissertations, monographs, and illustrated books for all taxa above the rank of variety newly described as endemic to the Korean Peninsula from late 2016 to 2022.

The following criteria for selecting plants endemic to the Korean Peninsula were applied. First, plants distributed exclusively on the Korean Peninsula were identified. The revised checklist excludes taxa revealed by objective published data to be native to countries neighboring the Korean Peninsula, such as China, Russia, and Japan; such cases were reviewed by Korean taxon experts. Second, taxa formally treated by Korean or foreign taxonomists as heterotypic synonymous of another taxa of above the rank of variety, based on specimens collected on the Korean Peninsula, were excluded. However, taxa mentioned as synonymous, but without supporting evidence such as specimen records, were included as endemics unless the Korean experts disagreed. Third, currently recognized forms were excluded whereas natural hybrids were included. Fourth, following the International Code of Nomenclature for Algae, Fungi, and Plants (ICN, Turland et al., 2018), taxa with not

validly published or illegitimate names were excluded, regardless of the taxon's validity.

The resulting list of Korean endemic plants was then arranged in the order of ferns, gymnosperms, and angiosperms (dicots and monocots). Within each group, the following classification systems were applied: for ferns, that of The Pteridophyte Phylogeny Group (PPG I, 2016); for gymnosperms, that of Christenhusz et al. (2011); and for angiosperms, those of Melchior and Werderman (1954) and Melchior (1964). Furthermore, within families and genera, the taxa were generally arranged in alphabetical order. The scientific names and Korean names of the taxa follow the National Standard Plant List (Korean Plant Names Index Committee, 2023) based on the "Act on the Management of Arboretums, Gardens, and Promotion of their Use." For angiosperms, if the family name differed when the Angiosperm Phylogeny Group IV system (APG IV, 2016) was applied at status below that of genus, this is indicated in parentheses (Appendix 1).

RESULTS

Taxa excluded from Korean endemic plants

In comparison to the list of Chung et al. (2017a), the revised checklist of Korean endemic plants excludes 39 taxa, namely (1) those with names that violate the ICN (Turland et al.,

Table 1. Taxon included in the previous checklist (Chung et al., 2017a), but omitted from the revised checklist because its name is invalid.

No.	Scientific name	Korean name	Reference
1	<i>Aster magnus</i> Y. N. Lee & C. S. Kim, nom. inval. (two syntypes cited). Type: Korea, South sea side of Cheju-do (<i>Y. N. Lee and C. Kim s.n.</i> , 26 Mar 1997 & 15 Oct 1997, Hb. Korea Pl. Res. Inst.).	왕갯쭉부쟁이	Jang and Lee (2022)

Table 2. Taxa excluded from the previous checklist (Chung et al., 2017a) based on their distribution in neighboring countries.

No.	Scientific name	Korean name	Distribution	Reference
1	<i>Salix koriyanagi</i> Kimura ex Goerz	키버들	Korea, China , Japan and Russia	Sun et al. (2020)
2	<i>Corydalis humilis</i> B. U. Oh & Y. S. Kim	난장이현호색	Korea and China	Jiang et al. (2018)
3	<i>Spiraea chartacea</i> Nakai syn. <i>Spiraea turczaninowii</i> Businský (<i>Spiraea pubescens</i> Turcz. (1832), non Cav. (1802), nom. illeg. later homonym)	아구장나무 (cited as 떡조팝나무 in Chung et al., 2017a)	Korea, China , Russia and Mongolia	Choi et al. (2019a)
4	<i>Carex erythrobasis</i> H. Lév. & Vaniot	한라사초	Korea, China and Russia	Park et al. (2016)
5	<i>Lycoris sanguinea</i> Maxim. var. <i>koreana</i> (Nakai) T. Koyama	백양꽃	Korea and Japan	Tae and Ko (1996)
6	<i>Iris odaesanensis</i> Y. N. Lee	노랑무늬붓꽃	Korea and China	iPlant (2023)
7	<i>Oreorchis patens</i> (Lindl.) Lindl. subsp. <i>coreana</i> (Finet) Y. N. Lee (cited as <i>Oreorchis coreana</i> Finet in Chung et al., 2017a)	두잎감자난초	Korea and Japan	Takashima et al. (2016)

Table 3. Taxa excluded from the previous checklist (Chung et al., 2017a) owing to treatment as form.

No.	Scientific name		Korean name	Reference
	Chung et al. (2017a)	In this study		
1	<i>Berberis koreana</i> Palib. var. <i>angustifolia</i> Nakai	<i>Berberis koreana</i> Palib. f. <i>angustifolia</i> (Nakai) W. T. Lee	가는잎매자나무	Lee (1996)
2	<i>Berberis koreana</i> Palib. var. <i>ellipsoides</i> Nakai	<i>Berberis koreana</i> Palib. f. <i>ellipsoides</i> (Nakai) M. Kim	연밭매자나무	Kim (2004)
3	<i>Geranium koreanum</i> Kom. var. <i>hirsutum</i> Nakai	<i>Geranium koreanum</i> Kom. f. <i>hirsutum</i> (Nakai) M. K. Park ex W. T. Lee	털둥근이질풀	Lee (1996)
4	<i>Commelina minor</i> Y. N. Lee & Y. C. Oh	<i>Commelina communis</i> L. f. <i>minor</i> (Y. N. Lee & Y. C. Oh) M. Kim	에기닭의장풀	Kim (2017b)

2018); (2) those with distributions in new habitats in countries neighboring the Korean Peninsula; (3) those of which the taxonomic rank has changed to form; and (4) those with synonymous scientific names, resulting in exclusion of taxa distributed in areas other than the Korean Peninsula (Tables 1–4).

Taxon with names that violate the ICN: *Aster magnus* Y. N. Lee & C. S. Kim, described by Lee (1998) as a Korean endemic, is not validly published name (Art. 40.2 of the ICN; Turland et al., 2018). Since the entity of this taxon exists, it must be validly published later (Jang and Lee, 2022).

Taxa distributed in new habitats in countries neighboring the Korean Peninsula: Seven taxa, including *Salix koriyanagi* Kimura ex Goerz, *Corydalis humilis* B. U. Oh & Y. S. Kim, were excluded from the revised list of Korean endemics based on recent research or imaging data (including images from GIS-based online social networks) indicating that they are also distributed in countries such as China and Japan.

Taxa of which the rank has changed to form: Based on the criterion that only ranks higher than form be included in the revised checklist, four taxa for which the rank was revised from variety to form [including *Berberis koreana* Palib. f. *angustifolia* (Nakai) W. T. Lee] were excluded.

Synonymization of scientific names: *Arabis columnaris* Nakai was excluded from the revised checklist because it is treated as a synonym of *Turritis glabra* L., and as a result, its distribution extends beyond the Korean Peninsula (Son et al., 2018). A total of 27 taxa have undergone similar taxonomic treatment, and were therefore excluded.

Newly added Korean endemic plant taxa

This category includes 52 taxa in three groups. The first group includes taxa newly published as Korean endemics above the rank of variety between the end of 2016 (when the references for Chung et al. [2017a] were reviewed) to the end of 2022. The second group includes taxa published before 2016 but missing from the list published by Chung et al. (2017a). The third group includes newly confirmed Korean endemic plants (Table 5).

Discussion

Considering the discovery of new taxa and frequent revisions in accepted names through taxonomic researches, the identification of Korean endemic plants, an indigenous Korean resource, is highly important for strengthening biological sovereignty. Moreover, an accurate list of endemic plants is a prerequisite for establishing conservation policies that must be implemented despite the limited resources available.

This study identified 373 Korean endemic taxa, comprising 64 families, 179 genera, 304 species, six subspecies, 49 varieties, and 14 hybrids. This corresponds to 9.5% of the 3,939 taxa native to the Korean Peninsula (Korean Plant Names Index Committee, 2023). Of the 373 endemics, 11 are ferns, three are gymnosperms, and of the angiosperms, 293 are dicots, and 66 are monocots (Appendix 1). Asteraceae is the most common family (41 taxa), followed by Apiaceae (29 taxa), Liliaceae (24 taxa), and Rosaceae (22 taxa). Six Korean endemic genera were included: *Mankyua* B. Y. Sun, M. H. Kim & C. H. Kim, *Abeliophyllum* Nakai, *Coreanomecon* Nakai, *Hanabusaya* Nakai, *Megaleranthis* Ohwi, and *Sillaphyton* Pimenov.

Compared with the recent study by Chung et al. (2017a), 39 taxa have now been excluded: *Aster magnus* Y. N. Lee & C. S. Kim, based on its invalid name; seven taxa with additional distributions in countries neighboring the Korean Peninsula (including *Salix koriyanagi* Kimura ex Goerz and *Corydalis humilis* B. U. Oh & Y. S. Kim); four taxa ranked as form [including *Berberis koreana* Palib. f. *angustifolia* (Nakai) W. T. Lee]; and 27 taxa, based on their synonymy with taxa distributed beyond the Korean Peninsula [including *Arabis columnaris* Nakai and *Ligularia fischeri* (Ledeb.) Turcz. var. *spiciformis* Nakai] (Tables 1–4).

Among the list presented by Chung et al. (2017a), four taxa were recognized with their taxonomic identity, but their scientific names were not validly published or illegitimate according to ICN. Additionally, misapplications and errors in nomenclature were identified. As a result, the scientific names were corrected to reflect the latest research and included in

Table 4. Taxa excluded based on heterotypic synonymy with taxa distributed outside the Korean Peninsula.

No.	Chung et al. (2017a)		In this study			Reference
	Scientific name	Korean name	Scientific name	Korean name	Distribution	
1	<i>Salix dependens</i> Nakai	개수양버들	<i>Salix babylonica</i> L.	수양버들	Introduced from China	Sun et al. (2020)
2	<i>Salix hallaisanensis</i> H. Lévl.	떡버들	<i>Salix caprea</i> L.	호랑버들	China, Russia, Japan, Mongolia, and Korea	National Institute of Biological Resources (2017)
3	<i>Salix hallaisanensis</i> H. Lévl. var. <i>longifolia</i> Nakai	긴잎떡버들	<i>Salix caprea</i> L.	호랑버들	China, Russia, Japan, Mongolia, and Korea	National Institute of Biological Resources (2017)
4	<i>Salix ishidoyana</i> Nakai	섬버들	<i>Salix caprea</i> L.	호랑버들	China, Russia, Japan, Mongolia, and Korea	National Institute of Biological Resources (2017)
5	<i>Salix chaenomeloides</i> Kimura var. <i>pilosa</i> (Nakai) Kimura	털왕버들	<i>Salix chaenomeloides</i> Kimura	왕버들	China, Japan, and Korea	Chang et al. (2014)
6	<i>Salix bicarpa</i> Nakai	쌍실버들	<i>Salix divaricata</i> Pall.	쌍실버들	China, Russia, and Korea	Sun et al. (2020)
7	<i>Celtis choseniana</i> Nakai	검팽나무	<i>Celtis jessoensis</i> Koidz.	풍계나무	China, Japan, and Korea	Heo (2021)
8	<i>Celtis taihyunchungii</i> M. Kim	장수팽나무	<i>Celtis jessoensis</i> Koidz.	풍계나무	China, Japan, and Korea	Heo (2021)
9	<i>Broussonetia ×hanjiana</i> M. Kim	닥나무	<i>Broussonetia ×kazinoki</i> Siebold ex Siebold & Zucc.	닥나무 (cited as 애기닥나무 in Korean Plant Names Index Committee, 2023)	China, Japan, and Korea	Won (2019)
10	<i>Pseudostellaria coreana</i> (Nakai) Ohwi	참개별꽃	<i>Pseudostellaria heterophylla</i> (Miq.) Pax	개별꽃	China, Japan, and Korea	Choi (2018)
11	<i>Pseudostellaria monantha</i> Ohwi	산개별꽃	<i>Pseudostellaria palibiniana</i> (Takeda) Ohwi	큰개별꽃	Japan and Korea	Choi (2018)
12	<i>Arabis columnaris</i> Nakai	참장대나물	<i>Turritis glabra</i> L.	장대나물	China, Russia, Japan, Central Asia, and Korea	Son et al. (2018)
13	<i>Spiraea pseudocrenata</i> Nakai	긴잎산조팝나무	<i>Spiraea blumei</i> G. Don	산조팝나무	China, Russia, Japan, and Korea	Choi et al. (2019a)
14	<i>Scrophularia kakudensis</i> Franch. var. <i>microphylla</i> Nakai	좁현삼	<i>Scrophularia kakudensis</i> Franch.	큰개현삼	Japan and Korea	Han et al. (2009)
15	<i>Adenophora remotiflora</i> (Siebold & Zucc.) Miq. var. <i>hirticalyx</i> S. T. Lee, Y. Chung & Joongku Lee	그늘모시대	<i>Adenophora remotiflora</i> (Siebold & Zucc.) Miq.	모시대	China, Russia, Japan, and Korea	Yoo and Kim (2018)
16	<i>Adenophora taquetii</i> H. Lévl.	섬잔대	<i>Adenophora tashiroi</i> (Makino & Nakai) Makino & Nakai	섬잔대	Japan and Korea	Yoo and Kim (2018)
17	<i>Cirsium zenii</i> Nakai	점봉산영경귀	<i>Cirsium vlassovianum</i> Fisch. ex DC.	흰잎영경귀	China (Manshuria), Mongolia, Russia (Amur), and Korea	Im (2017)
18	<i>Ligularia fischeri</i> (Ledeb.) Turcz. var. <i>spiciformis</i> Nakai	한대리곰취	<i>Ligularia fischeri</i> (Ledeb.) Turcz.	곰취	China (northeastern part), Mongolia, Russia, and Korea (Hamgyeongnam-do)	Park (2022)
19	<i>Ligularia taquetii</i> (H. Lévl. & Vaniot) Nakai	갯취	<i>Ligularia mongolica</i> (Turcz.) DC.	갯취	China, Mongolia, Russia, and Korea	Park (2022)
20	<i>Calamagrostis paishanensis</i> Nakai	백산새풀	<i>Calamagrostis angustifolia</i> Kom.	백산새풀	Russia and Korea	Lee (1996)
21	<i>Fimbristylis drizae</i> J.Kim & M.Kim	물하늘지기	<i>Fimbristylis campylophylla</i> Tuyama	물하늘지기	Japan and Korea	Horiuchi (2018)
22	<i>Eriocaulon glaberrimum</i> Miyabe & Satake var. <i>platypetalum</i> (Satake) Satake	제주검정곡정초	<i>Eriocaulon atrum</i> Nakai	검은곡정초	Japan and Korea	Gil et al. (2019)
23	<i>Eriocaulon tenuissimum</i> Nakai	가는개수염	<i>Eriocaulon miquelianum</i> Körn.	개수염	China, Japan, and Korea	Gil et al. (2019)
24	<i>Eriocaulon sphagnicolum</i> Ohwi	애기곡정초	<i>Eriocaulon sachalinense</i> Miyabe & Nakai	애기곡정초	Russia, Japan, and Korea	Gil et al. (2019)
25	<i>Luzula odaesanensis</i> Y. N. Lee & Y. Chae ex M. Kim	오대산새밭	<i>Luzula plumosa</i> E. Mey.	오대산새밭	China, Japan, Nepal, and Korea	Gil et al. (2019)
26	<i>Allium thunbergii</i> G. Don. var. <i>deltoides</i> (S. Yu, S. Lee & W. T. Lee) H. J. Choi & B. U. Oh	세모산부추	<i>Allium thunbergii</i> G. Don	산부추	China, Japan, Taiwan, and Korea	Shukherdorj et al. (2018)
27	<i>Habenaria chejuensis</i> Y. N. Lee & K. S. Lee	제주방울란	<i>Habenaria crassilabia</i> Kraenzl.	제주방울란	China, Japan, and Korea	Yukawa and Yagi (2012)

Table 5. Korean endemic taxa newly added to this checklist.

No.	Scientific name	Korean name	References
1	<i>Athyrium concinnum</i> Nakai	광릉개고사리	Lee and Lee (2018)
2	<i>Hypodematium angustifolium</i> C. S. Lee & K. H. Lee	가는잎금털고사리	Lee et al. (2018)
3	<i>Tsuga ulleungensis</i> G. P. Holman, Del Tredici, Havill, N. S. Lee & C. S. Campb.	울릉솔송나무	Holman et al. (2017)
4	<i>Salix cacuminis</i> A. K. Skvortsov	설령버들	Stepanova et al. (2020)
5	<i>Alnus incana</i> (L.) Moench subsp. <i>tchangbokii</i> Chin S. Chang & H. Kim	수우물오리	Eom et al. (2011)
6	<i>Asarum koreanum</i> J. G. Kim & C. S. Yook ex B. U. Oh	자주족도리풀	Oh et al. (2020b)
7	<i>Dianthus koreanus</i> D. C. Son & K. H. Lee	갯바위패랭이꽃	Son et al. (2017b)
8	<i>Pseudostellaria palibiniana</i> (Takeda) Ohwi var. <i>gagedoensis</i> M. Kim & H. Jo	가거개별꽃	Jo and Kim (2019)
9	<i>Pseudostellaria</i> × <i>biseulsanensis</i> M. Kim & H. Jo	비슬개별꽃	Jo and Kim (2019)
10	<i>Pseudostellaria</i> × <i>bohyeonsanensis</i> M. Kim & H. Jo	보현개별꽃	Jo and Kim (2019)
11	<i>Pseudostellaria</i> × <i>segeolsanensis</i> M. Kim & H. Jo	정영개별꽃	Jo and Kim (2019)
12	<i>Pseudostellaria</i> × <i>seoraksanensis</i> M. Kim & H. Jo	설악개별꽃	Jo and Kim (2019)
13	<i>Anemone pendulisepala</i> Y. N. Lee	태백바람꽃	Son et al. (2017c)
14	<i>Clematis fusca</i> Turcz. var. <i>flabellata</i> (Nakai) J. S. Kim	요강나물	Kim (2017a)
15	<i>Clematis pseudotubulosa</i> B. K. Park	덩굴조희풀	Park et al. (2022)
16	<i>Clematis urticifolia</i> Nakai ex Kitag.	병조희풀	Wang and Xie (2007)
17	<i>Semiaquilegia quelpaertensis</i> D. C. Son & K. H. Lee	큰개구리발톱	Son et al. (2017a)
18	<i>Orostachys chongsunensis</i> Y. N. Lee	정선바위솔	Lee and Lee (2000), Lee et al. (2022)
19	<i>Orostachys latiliplica</i> Y. N. Lee	포천바위솔	Lee and Lee (2000), Lee et al. (2022)
20	<i>Phedimus daeamsensis</i> T. Y. Choi & D. C. Son	대암기린초	Choi et al. (2022)
21	<i>Astilbe uljinensis</i> B. U. Oh & H. J. Choi	울진노루오줌	Oh et al. (2020a)
22	<i>Chrysosplenium ramosissimum</i> Y. I. Kim & Y. D. Kim	가지털팽이눈	Kim et al. (2018)
23	<i>Corylopsis coreana</i> Uyeki	히어리	Chang and Chang (2010)
24	<i>Fragaria nipponica</i> Makino subsp. <i>chejuensis</i> Staudt & Olbricht	흰맛딸기	Heo et al. (2019)
25	<i>Potentilla squamosa</i> Soják	털양지꽃	Soják (2002)
26	<i>Sorbaria sorbifolia</i> (L.) A. Braun var. <i>glandulifolia</i> J. H. Song & S. P. Hong	점취땅나물	Song and Hong (2019)
27	<i>Geranium shikokianum</i> Matsum. var. <i>quelpaertense</i> Nakai	섬취손이	Park (2017)
28	<i>Acer takesimense</i> Nakai	섬단풍나무	Takayama et al. (2013)
29	<i>Viola ramiflora</i> K. O. Yoo	가지제비꽃	Kim et al. (2019b)
30	<i>Epilobium ulleungensis</i> J. M. Chung	울릉바늘꽃	Chung et al. (2017b)
31	<i>Peucedanum chujaense</i> K. Kim, S. H. Oh, Chan S. Kim & C. W. Park	갈기기름나물	Kim et al. (2019a)
32	<i>Peucedanum hakuunense</i> Nakai	백운기름나물	Park et al. (2017)
33	<i>Peucedanum miroense</i> K. Kim, H. J. Suh & J. H. Song	미로기름나물	Kim et al. (2022c)
34	<i>Peucedanum tongkangense</i> K. Kim, H. J. Suh & J. H. Song	동강기름나물	Kim et al. (2022c)
35	<i>Syringa fauriei</i> H. Lév.	버들개회나무	Oh (2018), Kim et al. (2022a)
36	<i>Halenia coreana</i> S. M. Han, H. Won & C. E. Lim	참땃꽃	Han et al. (2019)
37	<i>Isodon inflexus</i> (Thunb.) Kudô var. <i>microphyllus</i> (Nakai) Kudô	영도산박하	Ma and Kim (2014)
38	<i>Mosla dadoensis</i> K. K. Jeong, M. J. Nam & H. J. Choi	다도해산들개	Jang et al. (2022)
39	<i>Scopolia parviflora</i> (Dunn) Nakai	미치광이풀	Kim et al. (2003)
40	<i>Galium verum</i> L. var. <i>hallaensis</i> K. S. Jeong & K. Choi	애기솔나물	Jeong et al. (2017)
41	<i>Dendranthema jeongseonense</i> M. Kim & H. Jo	정선국화	Kim (2017b)
42	<i>Saussurea albifolia</i> M. J. Nam & H. T. Im	함백취	Sun et al. (2021)
43	<i>Saussurea namhaedoana</i> J. M. Chung & H. T. Im	남해분취	Sun et al. (2022)
44	<i>Festuca ovina</i> L. var. <i>chiisanensis</i> Ohwi	지리산김의털	Alexeev (1988)
45	<i>Miscanthus wangpicheonensis</i> T. I. Heo & J. S. Kim	물억새아재비	Heo et al. (2021)
46	<i>Carex brevispicula</i> G. H. Nam & G. Y. Chung	좁목포사초	Nam et al. (2020)
47	<i>Carex fusanensis</i> Ohwi	부산사초	Park et al. (2016)
48	<i>Carex nakasimae</i> Ohwi	화산사초	Park et al. (2016)
49	<i>Allium dumebuchum</i> H. J. Choi	두메부추	Jang et al. (2021b)
50	<i>Allium ulleungense</i> H. J. Choi & N. Friesen	울릉산마늘	Choi et al. (2019b)
51	<i>Chamaelirium japonicum</i> (Willd.) N. Tanaka subsp. <i>yakusimense</i> (Masam.) N. Tanaka var. <i>koreanum</i> (F. T. Wang & T. Tang) N. Tanaka	제주실꽃풀	Tanaka (2017)
52	<i>Tofieldia ulleungensis</i> H. Jo	울릉꽃장포	Jo et al. (2020)

Table 6. Endemic taxa of which the scientific name has been corrected.

No.	Korean name	Chung et al. (2017a)	In this study	References
1	산꼬리고사리	<i>Asplenium</i> × <i>montanus</i> C. S. Lee & K. H. Lee, nom. illeg. later homonym	<i>Asplenium</i> × <i>bimixtum</i> C. S. Lee & K. H. Lee ex Y.-H. Ha	Ha et al. (2020)
2	무늬족도리풀	<i>Asarum versicolor</i> (Yamaki) Y. Lee, nom. Inval.	<i>Asarum chungbuensis</i> (C. S. Yook & J. G. Kim) B. U. Oh	Jang et al. (2021a)
3	나래완두	<i>Vicia hirticalycina</i> Nakai, contrary to art. 11.5 of ICN	<i>Vicia anguste-pinnata</i> Nakai (syn. <i>Vicia hirticalycina</i> Nakai)	Kwon and Choi (2001), YList (2023)
4	단양쭉부쟁이	<i>Aster uchiyamai</i> auct. non. Nakai (<i>Aster depauperatus</i> H. Lév. & Vaniot (1909), non Fernald (1908), nom. illeg. later homonym)	<i>Aster danyangensis</i> J. Y. Kim & G. Y. Chung	Kim et al. (2022b)

the revised list. *Asplenium* ×*bimixtum* C. S. Lee & K. H. Lee ex Y.-H. Ha is a recognized taxonomic entity, but its original scientific name, *Asplenium* ×*montanus* C. S. Lee & K. H. Lee was published under an illegitimate name as a later homonym. Furthermore, the replacement name proposed by Lee and Lee (2018) was also not usable. The citation referenced all of the pages in the source, instead of specifically mentioning the page number of the protologue, thereby rendering it ultimately not validly published (Ha et al., 2020). *Aster danyangensis* J. Y. Kim & G. Y. Chung was erroneously given the valid name *Aster uchiyamai* Nakai, based on its mistaken treatment as a heterotypic synonym of *Aster meendorffii* (Regel & Maack Voss due to the similarity of their specific epithets. Kim et al. (2022b) therefore published a new name for this taxon. *Vicia anguste-pinnata* Nakai, despite the fact that, under the ICN rules, only a legitimate name has priority, and when multiple legitimate names are published simultaneously within the same rank, the first validly published selected name should take precedence. However, an amendment was made to rectify this selection error (Kwon and Choi, 2001) and apply the corrected scientific name (Table 6).

Before publication of the checklist by Chung et al. (2017a), 10 taxa, including *Alnus incana* (L.) Moench subsp. *tchangbokii* Chin S. Chang & H. Kim and *Carex nakasimae* Ohwi, were recognized as Korean endemics. An additional 42 taxa have been identified since the publication of Chung et al. (2017a). Most of these were newly discovered or endemic taxa identified by Korean researchers. However, various taxa, including *Tsuga ulleungensis* G. P. Holman, Del Tredici, Havill, N. S. Lee & C. S. Campb., *Clematis urticifolia* Nakai ex Kitag., *Salix cacuminis* A. K. Skvortsov, *Chamaelirium japonica* (Willd.) N. Tanaka subsp. *yakusimense* (Masam.) N. Tanaka var. *koreanum* (F. T. Wang & T. Tang) N. Tanaka, *Acer takesimense* Nakai, *Potentilla squamosa* Soják, and *Festuca ovina* L. var. *chiisanensis* Ohwi, have been recognized as Korean endemics by foreign researchers (Table 5).

The perception of endemic plants can vary depending on the

comprehensive research findings for each taxon. As illustrated here, over the past five years, 52 taxa have been newly reported or identified as Korean endemics, while 27 are no longer considered endemics following taxonomic revision based on systematic studies. It is therefore necessary to periodically revise the list of endemic plants to incorporate the latest research results. Not only are Korean endemic plants important for understanding the formation of the Korean flora and identifying the phylogenetic and geographical origins of major taxa, they also represent our unique plant heritage, and their conservation should be considered a top priority in terms of protecting Korean biological sovereignty. Recognizing the significance of conserving endemic plants plays a vital national role. This revised checklist is expected to contribute greatly to a clear understanding of the endemic plants of the Korean Peninsula.

ORCID: Gyu Young CHUNG <http://orcid.org/0000-0002-4891-1140>; Hyun-Do JANG <https://orcid.org/0000-0001-7556-3682>; Kae Sun CHANG <https://orcid.org/0000-0003-4454-6059>; Hyeok Jae CHOI <https://orcid.org/0000-0001-6315-0071>; Young-Soo KIM <https://orcid.org/0000-0002-8524-2441>; Hyuk-Jin KIM <https://orcid.org/0000-0002-3177-2914>; Dong Chan SON <https://orcid.org/0000-0002-6773-0580>

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CONFLICTS OF INTEREST

The authors declare that there are no conflicts of interest.

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APPENDIX 1. Checklist of endemic vascular plants on the Korean Peninsula.

The informations are listed as follows; scientific and vernacular name, distributions and references. The asterisk (*) indicates additional taxa after Chung et al. (2017a). Acronyms for each province are as follows: CG, Chagang-do; HB, Hamgyeongbuk-do; HN, Hamgyeongnam-do; PB, Pyeonganbuk-do; PN, Pyeongannam-do; HW, Hwanghae-do; GG, Gyeonggi-do; GW, Gangwon-do; CB, Chungcheongbuk-do; CN, Chungcheongnam-do; JB, Jeollabuk-do; JN, Jeollanam-do; GB, Gyeongsangbuk-do; GN, Gyeongsangnam-do; JJ, Jeju-do. The parentheses beside genus indicates different family name assignment according to APG IV system.

PTERIDOPHYTA 양치식물문

Lycopodiaceae 석송과

Huperzia Bernh. 뱀뚝속

1. *Huperzia jejuensis* B.-Y. Sun & J. Lim 긴다람쥐꼬리, JJ, Chung et al. (2017a)

Isoetaceae 물부추과

Isoetes L. 물부추속

2. *Isoetes coreana* Y. H. Chung & H. K. Choi 참물부추, central to southern provinces, Chung et al. (2017a)
3. *Isoetes hallasanensis* H. K. Choi, Ch. Kim & J. Jung 한라물부추, JJ, Chung et al. (2017a)
4. *Isoetes jejuensis* H. K. Choi, Ch. Kim & J. Jung 제주물부추, JJ, Chung et al. (2017a)

Ophioglossaceae 고사리삼과

Mankyua B. Y. Sun, M. H. Kim & C. H. Kim 제주고사리삼속

5. *Mankyua chejuensis* B.-Y. Sun, M. H. Kim & C. H. Kim 제주고사리삼, JJ, Chung et al. (2017a)

Pteridaceae 봉의꼬리과

Adiantum L. 공작고사리속

6. *Adiantum coreanum* Tagawa 고려공작고사리, HB, Chung et al. (2017a)

Aspleniaceae 꼬리고사리과

Asplenium L. 꼬리고사리속

7. *Asplenium ×bimixtum* C. S. Lee & K. H. Lee ex Y.-H. Ha 산꼬리고사리, GG, Chung et al. (2017a)
8. *Asplenium ×uiryeongse* C. S. Lee & K. H. Lee 거미사철고사리, GG, Chung et al. (2017a)

Athyriaceae 개고사리과

Athyrium Roth 개고사리속

9. *Athyrium acutipinnulum* Kodama ex Nakai 섬고사리, GB (Ulleungdo), Chung et al. (2017a)
- *10. *Athyrium concinnum* Nakai 광릉개고사리, GG; GW; JN, Lee and Lee (2018)

Hypodematiaceae 금털고사리과

Hypodematium Kunze 금털고사리속

- *11. *Hypodematium angustifolium* C. S. Lee & K. H. Lee 가는잎금털고사리, CB, Lee et al. (2018)

GYMNOSPERMAE 나자식물문
Pinaceae 소나무과

Abies Mill. 전나무속

12. *Abies koreana* E. H. Wilson 구상나무, JB; GN; JJ, Chung et al. (2017a)

Picea A. Dietr. 가문비나무속

13. *Picea pungsanensis* Uyeki 풍산가문비, HB; HN, Chung et al. (2017a)

Tsuga (Endl.) Carrière 솔송나무속

- *14. *Tsuga ulleungensis* G. P. Holman, Del Tredici, Havill, N. S. Lee & C. S. Campb. 울릉솔송나무, GB (Ulleungdo), Holman et al. (2017)

ANGIOSPERMAE 피자식물문
DICOTYLEDONEAE 쌍자엽식물강
Salicaceae 버드나무과

Populus L. 사시나무속

15. *Populus ×tomentiglandulosa* T. B. Lee 은사시나무, GG; GW, Chung et al. (2017a)

Salix L. 버드나무속

16. *Salix blinii* H. Lév. 제주산버들, JJ, Chung et al. (2017a)

- *17. *Salix cacuminis* A. K. Skvortsov 설령버들, CG, Stepanova et al. (2020)

Betulaceae 자작나무과

Alnus Mill. 오리나무속

- *18. *Alnus incana* (L.) Moench subsp. *tchangbokii* Chin S. Chang & H. Kim 수우물오리, PN; GG; CB; JN, Eom et al. (2011)

Carpinus L. 서어나무속

19. *Carpinus laxiflora* (Siebold & Zucc.) Blume var. *longispica* Uyeki 긴서어나무, JB; JN; GN, Chung et al. (2017a)

Fagaceae 참나무과

Fagus L. 너도밤나무속

20. *Fagus multinervis* Nakai 너도밤나무, GB (Ulleungdo), Chung et al. (2017a)

Ulmaceae 느릅나무과

Celtis L. 팽나무속(APG IV: Cannabaceae 삼과)

21. *Celtis edulis* Nakai 노랑팽나무, HB; GW (Taegisan), Chung et al. (2017a)

Ulmus L. 느릅나무속

22. *Ulmus ×mesocarpa* M. Kim & S. T. Lee 증느릅나무, GW (Baekdamsa), Chung et al. (2017a)

Urticaceae 쐯げ풀과

Boehmeria Jacq. 모시풀속

23. *Boehmeria taquetii* Nakai 섬거북꼬리, JJ, Chung et al. (2017a)

Pilea Lindl. 물통이속

24. *Pilea oligantha* Nakai 강계큰물통이, HN; PB; GW (Mt. Jeokgeunsan), Chung et al. (2017a)

25. *Pilea taquetii* Nakai 제주큰물통이, GN; JJ, Chung et al. (2017a)

Urtica L. 쐯げ풀속

26. *Urtica laetevirens* Maxim. var. *robusta* F. Maek. 섬쐯げ풀, JN; GB (Ulleungdo); JJ, Chung et al. (2017a)

Aristolochiaceae 쥐방울덩굴과

Asarum L. 족도리풀속

27. *Asarum chungbuensis* (C. S. Yook & J. G. Kim) B. U. Oh 무늬족도리풀 GG; GW; CB, Chung et al. (2017a)

- *28. *Asarum koreanum* J. G. Kim & C. S. Yook ex B. U. Oh 자주족도리풀, CB, Oh et al. (2020b)

29. *Asarum maculatum* Nakai 개족도리풀, JN; GN; JJ, Chung et al. (2017a)

30. *Asarum patens* (Yamaki) Y.N. Lee ex B. U. Oh, D. G. Jo, K. S. Kim & C. G. Jang 금오족도리풀, CN; GB, Chung et al. (2017a)

Polygonaceae 마디풀과

Aconogonon (Meisn.) Rchb. 싱아속

31. *Aconogonon brachytrichum* (Ohwi) Soják 털싱아, HB, Chung et al. (2017a)

32. *Aconogonon microcarpum* (Kitag.) H. Hara 참개싱아, HN; GG; GW, Chung et al. (2017a)

33. *Aconogonon mollifolium* (Kitag.) H. Hara 얇은개싱아, HB; HN; PB, Chung et al. (2017a)

Bistorta (L.) Scop. 범꼬리속

34. *Bistorta globispica* Nakai 둥근범꼬리, HB, Chung et al. (2017a)

Fallopia Adans. 닭의덩굴속

35. *Fallopia koreana* B. U. Oh & J. G. Kim 삼도하수오, CB; JN; GB, Chung et al. (2017a)

Rheum L. 대황속

36. *Rheum coreanum* Nakai 장군풀, HB; HN, Chung et al. (2017a)

Chenopodiaceae 명아주과

Axyris L. 나도땀싸리속(APG IV: Amaranthaceae 비름과)

37. *Axyris koreana* Nakai 털나도땀싸리, HB; HN, Chung et al. (2017a)

Phytolaccaceae 자리공과

Phytolacca Tourn. ex L. 자리공속

38. *Phytolacca insularis* Nakai 섬자리공, GB (Ulleungdo), Chung et al. (2017a)

Caryophyllaceae 석죽과

Dianthus L. 패랭이꽃속

- *39. *Dianthus koreanus* D. C. Son & K. H. Lee 갯바위패랭이꽃, GB (Uljin), Son et al. (2017b)

Pseudostellaria Pax 개별꽃속

40. *Pseudostellaria longipedicellata* S. Lee, K. I. Heo & S. C. Kim 태백개별꽃, GG; GW; GB, Chung et al. (2017a)

41. *Pseudostellaria okamotoi* Ohwi 지리산개별꽃, GN (Mt. Jirisan), Chung et al. (2017a)

- *42. *Pseudostellaria palibiniana* (Takeda) Ohwi var. *gagedoensis* M. Kim & H. Jo 가거개별꽃, JN (Gageodo), Jo and Kim (2019)

43. *Pseudostellaria setulosa* Ohwi 숲개별꽃, HN; GW; GB, Chung et al. (2017a)

- *44. *Pseudostellaria* × *biseulsanensis* M. Kim & H. Jo 비슬개별꽃, GB (Mt. Biseulsan; Mt. Palgongsan), Jo and Kim (2019)

- *45. *Pseudostellaria* × *bohyeonsanensis* M. Kim & H. Jo 보현개별꽃, GB (Mt. Bohyeonsan), Jo and Kim (2019)

- *46. *Pseudostellaria* × *segeolsanensis* M. Kim & H. Jo 정영개별꽃, JB (Mt. Segeolsan), Jo and Kim (2019)

- *47. *Pseudostellaria* × *seoraksanensis* M. Kim & H. Jo 설악개별꽃, GW (Mt. Seoraksan), Jo and Kim (2019)

Silene L. 장구채속

48. *Silene fasciculata* Nakai 한라장구채, JJ (Mt. Hallasan), Chung et al. (2017a)

49. *Silene myongcheonensis* S. P. Hong & H. K. Moon 명천장구채, HB (Mt. Chilbosan), Chung et al. (2017a)

50. *Silene takeshimensis* Uyeki & Sakata 울릉장구채, GB (Ulleungdo), Chung et al. (2017a)

Ranunculaceae 미나리아재비과

Aconitum L. 투구꽃속

51. *Aconitum austrokoreense* Koidz. 세뿔투구꽃, GB; GN, Chung et al. (2017a)

52. *Aconitum chiisanense* Nakai 지리바꽃, GW; GN, Chung et al. (2017a)

53. *Aconitum pseudolaeve* Nakai 진범, all provinces except JJ, Chung et al. (2017a)

54. *Aconitum pteropus* Nakai 날개진범, GW, Chung et al. (2017a)

55. *Aconitum quelpaertense* Nakai 한라투구꽃, JJ (Mt. Hallasan), Chung et al. (2017a)

Actaea L. 노루삼속

56. *Actaea austrokoreana* (H. W. Lee & C. W. Park) Cubey 나제승마, CB; JB; JN; GN, Chung et al. (2017a)

57. *Actaea bifida* (Nakai) J. Compton 세잎승마, HN; GW; CN; GN, Chung et al. (2017a)

Anemone L. 바람꽃속

58. *Anemone koraiensis* Nakai 홀아비바람꽃, northern to central provinces, Chung et al. (2017a)

- *59. *Anemone pendulisejala* Y. N. Lee 태백바람꽃, GW (Mt. Taebaeksan), Son et al. (2017c)

Callianthemum C. A. Mey. 매화바람꽃속

60. *Callianthemum insigne* (Nakai) Nakai 매화바람꽃, HB, Chung et al. (2017a)

Clematis L. 으아리속

61. *Clematis brachyura* Maxim. 외대으아리, all provinces except CN and JJ, Chung et al. (2017a)

62. *Clematis calcicola* J. S. Kim 바위종덩굴, GW (Samcheok), Chung et al. (2017a)

- *63. *Clematis fusca* Turcz. var. *flabellata* (Nakai) J. S. Kim 요강나물, GW, Kim (2017a)

- *64. *Clematis pseudotubulosa* B. K. Park 덩굴조희풀, GG (Hwaseong; Gwangju), Park et al. (2022)

65. *Clematis taeguensis* Y. N. Lee 대구으아리, GW; CB; GB, Chung et al. (2017a)

66. *Clematis trichotoma* Nakai 할미밀망, all provinces except HB and JJ, Chung et al. (2017a)
- *67. *Clematis urticifolia* Nakai ex Kitag. 병조희풀, GW; CN; GN, Wang and Xie (2007)
Eranthis Salisb. 너도바람꽃속
68. *Eranthis byunsanensis* B.-Y. Sun 변산바람꽃, GG; GW; JB; JN; GB; GN; JJ, Chung et al. (2017a)
69. *Eranthis pungdoensis* B. U. Oh 풍도바람꽃, GG (Pungdo), Chung et al. (2017a)
Hepatica Mill. 노루귀속
70. *Hepatica insularis* Nakai 새끼노루귀, JN; GN; JJ, Chung et al. (2017a)
71. *Hepatica maxima* (Nakai) Nakai 섬노루귀, GB (Ulleungdo), Chung et al. (2017a)
Megaleranthis Ohwi 모데미풀속
72. *Megaleranthis saniculifolia* Ohwi 모데미풀, PB; GW; JB; GB; JJ, Chung et al. (2017a)
Pulsatilla Mill. 할미꽃속
73. *Pulsatilla nivalis* Nakai 산할미꽃, HB, Chung et al. (2017a)
74. *Pulsatilla tongkangensis* Y. N. Lee & T. C. Lee 동강할미꽃, GW; CB, Chung et al. (2017a)
Ranunculus L. 미나리아재비속
75. *Ranunculus crucilobus* H. Lév. 바위미나리아재비, JJ (Mt. Hallasan), Chung et al. (2017a)
Semiaquilegia Makino 개구리발톱속
- *76. *Semiaquilegia quelpaertensis* D. C. Son & K. H. Lee 큰개구리발톱, JJ, Son et al. (2017a)
Thalictrum Tourn. ex L. 썩의다리속
77. *Thalictrum actaeifolium* Siebold & Zucc. var. *brevistylum* Nakai 은썩의다리, GG; GW; CB; CN; JB; JN; GB; GN, Chung et al. (2017a)
78. *Thalictrum ichangense* Lecoy. ex Oliv. var. *coreanum* (H. Lév.) H. Lév. ex Tamura 연잎썩의다리, GW; GB, Chung et al. (2017a)
79. *Thalictrum osmorhizoides* Nakai 그늘썩의다리, HB, Chung et al. (2017a)

Berberidaceae 매자나무과

- Berberis* L. 매자나무속
80. *Berberis amurensis* Rupr. var. *quelpaertensis* (Nakai) Nakai 섬매발톱나무, JJ (Mt. Hallasan), Chung et al. (2017a)
81. *Berberis koreana* Palib. 매자나무, PB; PN; HW; GG; GW; CB, Chung et al. (2017a)

Nymphaeaceae 수련과

- Nymphaea* L. 수련속
82. *Nymphaea tetragona* Georgi var. *minima* (Nakai) W. T. Lee 각시수련, HW; GW (Goseong), Chung et al. (2017a)

Papaveraceae 양귀비과

- Coreanomecon* Nakai 매미꽃속
83. *Coreanomecon hylomeconoides* Nakai 매미꽃, JB; JN; GN, Chung et al. (2017a)

Fumariaceae 현호색과

- Corydalis* DC. 현호색속(APG IV: Papaveraceae 양귀비과)
84. *Corydalis alata* B. U. Oh & W. R. Lee 날개현호색, GW; GB, Chung et al. (2017a)
85. *Corydalis albipetala* B. U. Oh 흰현호색, GW, Chung et al. (2017a)
86. *Corydalis cornupetala* Y. H. Kim & J. H. Jeong 쇠뿔현호색, GB, Chung et al. (2017a)
87. *Corydalis filistipes* Nakai 섬현호색, GB (Ulleungdo), Chung et al. (2017a)
88. *Corydalis grandicalyx* B. U. Oh & Y. S. Kim 갈퀴현호색, GG; GW; GB, Chung et al. (2017a)
89. *Corydalis hallaisanensis* H. Lév. 탐라현호색, JJ, Chung et al. (2017a)
90. *Corydalis hirtipes* B. U. Oh & J. G. Kim 털현호색, GW, Chung et al. (2017a)
91. *Corydalis maculata* B. U. Oh & Y. S. Kim 점현호색, GG; GW; GB, Chung et al. (2017a)
92. *Corydalis misandra* B. U. Oh 각시현호색, GG; GW, Chung et al. (2017a)
93. *Corydalis namdoensis* B. U. Oh & J. G. Kim 남도현호색, JB; GB, Chung et al. (2017a)
94. *Corydalis ohii* Lidén 선현호색, GG; GW; CB; JB; JJ, Chung et al. (2017a)

Brassicaceae 배추과

- Arabis* L. 털장대속
95. *Arabis erecta* Y. Y. Kim & C. G. Jang 선갯장대, GB, Chung et al. (2017a)
96. *Arabis takesimana* Nakai 섬장대, GB (Ulleungdo), Chung et al. (2017a)

Cardamine L. 황새냉이속

97. *Cardamine amariformis* Nakai 꽃황새냉이, GW; CB; GB; GN, Chung et al. (2017a)

Rorippa Scop. 개갯냉이속

98. *Rorippa apetala* Y. Y. Kim & B. U. Oh 섬갯개갯냉이, GW (Wonju), Chung et al. (2017a)

Crassulaceae 돌나물과

Hylotelephium H. Ohba 평의비름속

99. *Hylotelephium viridescens* (Nakai) H. Ohba 섬평의비름, JN; JJ, Chung et al. (2017a)

Orostachys Fisch. 바위솔속

*100. *Orostachys chongsunensis* Y. N. Lee 정선바위솔, GW (Jeongseon), Lee and Lee (2000); Lee et al. (2022)

*101. *Orostachys latielliptica* Y. N. Lee 포천바위솔, GG (Pocheon), Lee and Lee (2000); Lee et al. (2022)

102. *Orostachys margaritifolia* Y. N. Lee 진주바위솔, GN (Jinju), Chung et al. (2017a)

103. *Orostachys saxatilis* (Nakai) Nakai 모란바위솔, PN, Chung et al. (2017a)

Phedimus Raf. 기린초속

*104. *Phedimus daeamsensis* T. Y. Choi & D. C. Son 대암기린초, GW (Mt. Daeamsan), Choi et al. (2022)

105. *Phedimus latiovalifolius* (Y. N. Lee) D. C. Son & H. J. Kim 태백기린초, GW, Chung et al. (2017a)

106. *Phedimus takesimensis* (Nakai) Hart 섬기린초, GB (Ulleungdo), Chung et al. (2017a)

Sedum L. 돌나물속

107. *Sedum taquetii* Praeger 한라평의비름, JJ (Mt. Hallasan), Chung et al. (2017a)

Saxifragaceae 범의귀과

Astilbe Buch.-Ham. ex D. Don 노루오줌속

108. *Astilbe rubra* Hook. f. & Thomson var. *taquetii* (H. Lév.) H. Hara 한라노루오줌, JJ (Mt. Hallasan), Chung et al. (2017a)

*109. *Astilbe uljinensis* B. U. Oh & H. J. Choi 울진노루오줌, GW; GB, Oh et al. (2020a)

Chrysosplenium L. 꿩이눈속

110. *Chrysosplenium aureobracteatum* Y. I. Kim & Y. D. Kim 연노랑꿩이눈, GW, Chung et al. (2017a)

111. *Chrysosplenium barbatum* Nakai 흰털꿩이눈, all provinces, Chung et al. (2017a)

112. *Chrysosplenium epigealum* J. W. Han & S. H. Kang 기눈꿩이눈, GW, Chung et al. (2017a)

113. *Chrysosplenium flaviflorum* Ohwi 누른꿩이눈, HB, Chung et al. (2017a)

*114. *Chrysosplenium ramosissimum* Y. I. Kim & Y. D. Kim 가지털꿩이눈, GW (Seonjaryeong), Kim et al. (2018)

Deutzia Thunb. 말발도리속

115. *Deutzia paniculata* Nakai 꼬리말발도리, HN; GB; GN, Chung et al. (2017a)

Kirengeshoma Yatabe 나도승마속

116. *Kirengeshoma koreana* Nakai 나도승마, JN; GN, Chung et al. (2017a)

Micranthes Haw. 구실바위취속

117. *Micranthes furumii* (Nakai) M. Kim 범의귀, HB; HN; PB, Chung et al. (2017a)

118. *Micranthes octopetala* (Nakai) Y. I. Kim & Y. D. Kim 구실바위취, HB; HN; GG; GW; CB; JB, Chung et al. (2017a)

Hamamelidaceae 조록나무과

Corylopsis Siebold & Zucc. 히어리속

*119. *Corylopsis coreana* Uyeki 히어리, GG; JB; JN; GN, Chang and Chang (2010)

Rosaceae 장미과

Aruncus L. 눈개승마속

120. *Aruncus dioicus* (Walter) Fernald var. *aethusifolius* (H. Lév.) H. Hara 한라개승마, JJ (Hallasan), Chung et al. (2017a)

Cotoneaster Medik. 섬개야광나무속

121. *Cotoneaster wilsonii* Nakai 섬개야광나무, GB (Ulleungdo), Chung et al. (2017a)

Filipendula Mill. 터리풀속

122. *Filipendula formosa* Nakai 지리터리풀, JB; JN; GN, Chung et al. (2017a)

Fragaria L. 딸기속

*123. *Fragaria nipponica* Makino subsp. *chejuensis* Staudt & Olbricht 흰딸기, JJ (Mt. Hallasan), Heo et al. (2019)

Pentactina Nakai 금강인가목속

124. *Pentactina rupicola* Nakai 금강인가목, GW (Mt. Geumgangsán), Chung et al. (2017a)
Potentilla L. 양지꽃속
125. *Potentilla gageodoensis* M. Kim 가거양지꽃, JN (Gageodo), Chung et al. (2017a)
- *126. *Potentilla squamosa* Soják 털양지꽃, North Korea; GG; GW; CB; JN; GB; GN, Soják (2002)
Prunus L. 벚나무속
127. *Prunus choreiana* Nakai ex H. T. Im 복사앵도나무, HB; PN; GW; GB, Chung et al. (2017a)
128. *Prunus ishidoyana* Thunb. 산이스라지, HB, Chung et al. (2017a)
129. *Prunus takesimensis* Nakai 섬벚나무, GB (Ulleungdo), Chung et al. (2017a)
130. *Prunus ×nudiflora* (Koehne) Koidz. 제주왕벚나무, JJ, Chung et al. (2017a)
Pyrus L. 배나무속
131. *Pyrus hakunensis* Nakai 백운배나무, JN (Mt. Baegunsán), Chung et al. (2017a)
Rubus L. 산딸기속
132. *Rubus coreanus* Miq. var. *concolor* Nakai ex J. Y. Yang 청북분자딸기, GN (Mt. Jirisan); JJ, Chung et al. (2017a)
133. *Rubus hongnoensis* Nakai 가시딸기, JJ, Chung et al. (2017a)
134. *Rubus schizostylus* H. Lév. 가시북분자딸기, JN; GN; JJ, Chung et al. (2017a)
135. *Rubus takesimensis* Nakai 섬나무딸기, GB (Ulleungdo), Chung et al. (2017a)
136. *Rubus tozawae* Nakai ex J. Y. Yang 거제딸기, JN (Geomundo); GN (Geojeodo), Chung et al. (2017a)
Sanguisorba L. 오이풀속
137. *Sanguisorba argutidens* Nakai 구름오이풀, HB; HN; PB, Chung et al. (2017a)
Sorbaria (Ser. ex DC.) A. Braun 쉬땅나무속
- *138. *Sorbaria sorbifolia* (L.) A. Braun var. *glandulifolia* J. H. Song & S. P. Hong 점쉬땅나무, GG; GW, Song and Hong (2019)
Sorbus L. 마가목속
139. *Sorbus ulleungensis* Chin S. Chang 우산마가목, GB (Ulleungdo), Chung et al. (2017a)
Spiraea L. 조팝나무속
140. *Spiraea insularis* (Nakai) H. C. Shin, Y. D. Kim & S. H. Oh 섬국수나무, GB (Ulleungdo), Chung et al. (2017a)
141. *Spiraea microgyna* Nakai 좁조팝나무, northern to central provinces, Chung et al. (2017a)

Fabaceae 콩과

- Astragalus* L. 황기속
142. *Astragalus mongholicus* Bunge var. *nakaianus* (Y. N. Lee) I. S. Choi & B. H. Choi 제주황기, JJ (Hallasan), Chung et al. (2017a)
143. *Astragalus setsureianus* Nakai 설령황기, HB; HN, Chung et al. (2017a)
Indigofera L. 땅비싸리속
144. *Indigofera grandiflora* B. H. Choi & S. K. Cho 큰꽃땅비싸리, GB (Mt. Gayasan), Chung et al. (2017a)
145. *Indigofera koreana* Ohwi 좁땅비싸리, CN; JB; JN, Chung et al. (2017a)
Lespedeza Michx. 싸리속
146. *Lespedeza buergeri* Miq. subsp. *tricolor* (Nakai) Hatus. 삼색싸리, JN (Wando; Jindo); GN, Chung et al. (2017a)
147. *Lespedeza maritima* Nakai 해변싸리, GW; CN; GB; GN, Chung et al. (2017a)
Maackia Rupr. 다릅나무속
148. *Maackia fauriei* (H. Lév.) Takeda 솔비나무, JJ (Mt. Hallasan), Chung et al. (2017a)
Sophora L. 고삼속
149. *Sophora koreensis* Nakai 개느삼, HN; GW (Inje; Yanggu; Chuncheon), Chung et al. (2017a)
Vicia L. 나비나물속
150. *Vicia anguste-pinnata* Nakai 나래완두, JB; JN; GB; GN, Chung et al. (2017a)
151. *Vicia chosonensis* Ohwi 노랑갈퀴, all provinces except JJ, Chung et al. (2017a)
152. *Vicia unijuga* A. Braun var. *kaussanensis* H. Lév. 애기나비나물, JJ, Chung et al. (2017a)

Geraniaceae 쥐손이풀과

- Geranium* Tourn. ex L. 쥐손이풀속
153. *Geranium knuthii* Nakai 큰세잎쥐손이, HN; PB; HW; GG, Chung et al. (2017a)
154. *Geranium lasiocaulon* Nakai 갈미쥐손이, HB, Chung et al. (2017a)
- *155. *Geranium shikokianum* Matsum. var. *quelpaertense* Nakai 섬쥐손이, JJ (Mt. Hallasan), Park (2017)

156. *Geranium taebaekensis* S. J. Park & Y. S. Kim 태백이질풀, GW (Mt. Taebaeksan), Chung et al. (2017a)

Euphorbiaceae 대극과

Euphorbia L. 대극속

157. *Euphorbia fauriei* H. Lév. & Vaniot 두메대극, JN; GB (Busan); JJ (Mt. Hallasan), Chung et al. (2017a)

Glochidion J. R. Forst. & G. Forst. 조도만두나무속

158. *Glochidion chodoense* C. S. Lee & H. T. Im 조도만두나무, JN (Jodo; Jindo), Chung et al. (2017a)

Aquifoliaceae 감탕나무과

Ilex Tourn. ex L. 감탕나무속

159. *Ilex ×wandoensis* C. F. Mill. & M. Kim 완도호랑가시나무, JN (Wando), Chung et al. (2017a)

Aceraceae 단풍나무과

Acer L. 단풍나무속(APG IV: Sapindaceae 무환자나무과)

- *160. *Acer takesimense* Nakai 섬단풍나무, GB (Ulleungdo), Takayama et al. (2013)

Balsaminaceae 봉선화과

Impatiens Riv. ex L. 물봉선속

161. *Impatiens atrosanguinea* (Nakai) B. U. Oh & Y. P. Hong 가야물봉선, GN (Gayasan), Chung et al. (2017a)

162. *Impatiens furcillata* Hemsl. 처진물봉선, JN; GN, Chung et al. (2017a)

Rhamnaceae 갈매나무과

Rhamnus L. 갈매나무속

163. *Rhamnus taquetii* (H. Lév. & Vaniot) H. Lév. 좁갈매나무, JJ (Mt. Hallasan), Chung et al. (2017a)

Tiliaceae 피나무과

Corchoropsis Siebold & Zucc. 까치깨속(APG IV: Malvaceae 아욱과)

164. *Corchoropsis intermedia* Nakai 암까치깨, PB, Chung et al. (2017a)

Tilia L. 피나무속(APG IV: Malvaceae 아욱과)

165. *Tilia insularis* Nakai 섬피나무, GB (Ulleungdo), Chung et al. (2017a)

166. *Tilia koreana* Nakai ex Nakai 연밭피나무, GW, Chung et al. (2017a)

167. *Tilia semicostata* Nakai 개염주나무, PN, Chung et al. (2017a)

Theaceae 차나무과

Stewartia L. 노각나무속

168. *Stewartia koreana* Nakai ex Rehder 노각나무, PN; CB; JN; GB; GN, Chung et al. (2017a)

Clusiaceae 물레나물과

Hypericum Tourn. ex L. 물레나물속

169. *Hypericum chejuense* S. J. Park & K. J. Kim 제주고추나물, JJ, Chung et al. (2017a)

170. *Hypericum jeongjocksanense* S. J. Park & K. J. Kim 정족산고추나물, GN (Mt. Jeongjoksan), Chung et al. (2017a)

Violaceae 제비꽃과

Viola L. 제비꽃속

171. *Viola kapsanensis* Nakai 갑산제비꽃, HN; GG (Gapyeong), Chung et al. (2017a)

- *172. *Viola ramiflora* K. O. Yoo 가지제비꽃, JJ, Kim et al. (2019b)

173. *Viola seoulensis* Nakai 서울제비꽃, all provinces, Chung et al. (2017a)

174. *Viola ulleungdoensis* M. Kim & J. S. Lee 울릉제비꽃, GB (Ulleungdo), Chung et al. (2017a)

175. *Viola woosanensis* Y. N. Lee & J. G. Kim 우산제비꽃, GB (Ulleungdo), Chung et al. (2017a)

Thymelaeaceae 팔꽃나무과

Daphne Tourn. ex L. 백서향속

176. *Daphne jejuensis* M. Kim 제주백서향, JJ (Seonheul), Chung et al. (2017a)

Onagraceae 바늘꽃과

Epilobium Dill. ex L. 바늘꽃속

- *177. *Epilobium ulleungensis* J. M. Chung 울릉바늘꽃, GB (Ulleungdo), Chung et al. (2017b)

Araliaceae 두릅나무과

Eleutherococcus Maxim. 오갈피나무속

178. *Eleutherococcus divaricatus* (Siebold & Zucc.) S. Y. Hu var. *chiisanensis* (Nakai) C. H. Kim & B.-Y. Sun 지

리산오갈피, HB; HN; GW; JB; JN; GB; JJ, Chung et al. (2017a)

Apiaceae 산형과

Angelica L. 당귀속

179. *Angelica reflexa* B. Y. Lee 강활, GW, Chung et al. (2017a)

Bupleurum L. 시호속

180. *Bupleurum latissimum* Nakai 섬시호, GB (Ulleungdo), Chung et al. (2017a)

Dystaenia Kitag. 섬바디속

181. *Dystaenia takesimana* (Nakai) Kitag. 섬바디, GB (Ulleungdo), Chung et al. (2017a)

Peucedanum L. 기름나물속

*182. *Peucedanum chujaense* K. Kim, S. H. Oh, Chan S. Kim & C. W. Park 갈기기름나물, JJ (Chujado), Kim et al. (2019a)

183. *Peucedanum coreanum* Nakai 두메기름나물, GW, Chung et al. (2017a)

*184. *Peucedanum hakuunense* Nakai 백운기름나물, JN; GN, Park et al. (2017)

*185. *Peucedanum miroense* K. Kim, H. J. Suh & J. H. Song 미로기름나물, GW (Mt. Swinūmsan; Mt. Dutasan), Kim et al. (2022c)

*186. *Peucedanum tongkangense* K. Kim, H. J. Suh & J. H. Song 동강기름나물, GW (Donggang); CB (Namhangang), Kim et al. (2022c)

Pimpinella L. 참나물속

187. *Pimpinella brachycarpa* (Kom.) Nakai var. *uchiyamana* (Y. Yabe) W. T. Lee & G. J. Jang 그늘참나물, PB; PN; HW; GG; GW, Chung et al. (2017a)

188. *Pimpinella hallaisanensis* (W. T. Lee & C. G. Jang) C. G. Jang, W. K. Paik & W. T. Lee 한라참나물, JJ (Hallasan), Chung et al. (2017a)

Sillaphyton Pimenov 덕우기름나물속

189. *Sillaphyton podagraria* (H. Boissieu) Pimenov 덕우기름나물, GW, Chung et al. (2017a)

Sium L. 개밭나물속

190. *Sium ternifolium* B. Y. Lee & S. C. Ko 세잎개밭나물, GW (Mt. Chiaksan), Chung et al. (2017a)

Primulaceae 앵초과

Androsace L. 봄맞이꽃속

191. *Androsace cortusifolia* Nakai 금강봄맞이, GW, Chung et al. (2017a)

Lysimachia Tourn. ex L. 참좁쌀풀속

192. *Lysimachia coreana* Nakai 참좁쌀풀, HN; GG; GW; CB; GB, Chung et al. (2017a)

193. *Lysimachia quelpaertensis* K. H. Tae & Jae S. Lee 탐라까치수염, JJ (Seogwipo), Chung et al. (2017a)

Primula L. 앵초속

194. *Primula farinosa* L. subsp. *modesta* (Bisset & S. Moore) var. *hannasanensis* (T. Yamaz.) T. Yamaz. 한라설앵초, JJ (Mt. Hallasan), Chung et al. (2017a)

195. *Primula farinosa* L. subsp. *modesta* (Bisset & S. Moore) var. *koreana* T. Yamaz. 설앵초, GN, Chung et al. (2017a)

Oleaceae 물푸레나무과

Abeliophyllum Nakai 미선나무속

196. *Abeliophyllum distichum* Nakai 미선나무, CB (Goesan; Yeongdong; Jincheon); JB (Buan); GB (Andong), Chung et al. (2017a)

Forsythia Vahl 개나리속

197. *Forsythia koreana* (Rehder) Nakai 개나리, nearly all provinces; probably originating in central Korea, Chung et al. (2017a)

198. *Forsythia nakaii* (Uyeki) T. B. Lee 장수만리화, HW (Mt. Jansusan), Chung et al. (2017a)

199. *Forsythia ovata* Nakai 만리화, HW; GG; GW; JB, Chung et al. (2017a)

Fraxinus Tourn. ex L. 물푸레나무속

200. *Fraxinus chiisanensis* Nakai 물뜰메나무, JB (Mt. Deogyusan); JN (Mt. Jirisan), Chung et al. (2017a)

Ligustrum L. 쥐똥나무속

201. *Ligustrum foliosum* Nakai 섬쥐똥나무, GB (Ulleungdo), Chung et al. (2017a)

Syringa L. 수수꽃다리속

*202. *Syringa fauriei* H. Lév. 버들개회나무, GW, Oh (2018); Kim et al. (2022a)

Gentianaceae 용담과*Gentiana* Tourn. ex L. 용담속

203. *Gentiana chosenica* Okuyama 흰그늘용담, JJ (Mt. Hallasan), Chung et al. (2017a)
 204. *Gentiana squarrosa* Ledeb. var. *microphylla* Nakai 좁구슬봉이, JJ (Mt. Hallasan), Chung et al. (2017a)
 205. *Gentiana takahashii* T. Mori 백두산구슬봉이, YG (Mt. Baekdusan), Chung et al. (2017a)
 206. *Gentiana wootchuliana* W. K. Paik 고산구슬봉이, GN (Mt. Gayasan), Chung et al. (2017a)
Halenia Borkh. 닳꽃속
 *207. *Halenia coreana* S. M. Han, H. Won & C. E. Lim 참닳꽃, PB; GG; GW; JJ (Mt. Hallasan), Han et al. (2019)

Lamiaceae 꿀풀과*Ajuga* L. 조개나물속

208. *Ajuga spectabilis* Nakai 자란초, central to southern provinces, Chung et al. (2017a)
Elsholtzia Willd. 향유속
 209. *Elsholtzia byeonsanensis* M. Kim 변산향유, JB (Mt. Byeonsan), Chung et al. (2017a)
 210. *Elsholtzia minima* Nakai 좁향유, JJ (Mt. Hallasan), Chung et al. (2017a)
 211. *Elsholtzia splendens* Nakai ex F. Maek. var. *fasciflora* N. S. Lee, M. S. Chung & C. S. Lee 다발꽃향유, JJ (Seogwipo), Chung et al. (2017a)
Isodon (Benth.) Schrad. ex Spach 산박하속
 212. *Isodon inflexus* (Thunb.) Kudô var. *canescens* (Nakai) Kudô 털산박하, JJ (Chujado), Chung et al. (2017a)
 *213. *Isodon inflexus* (Thunb.) Kudô var. *microphyllus* (Nakai) Kudô 영도산박하, JN; GN; JJ, Ma and Kim (2014)
Lamium L. 광대수염속
 214. *Lamium takeshimense* Nakai 섬광대수염, GB (Ulleungdo), Chung et al. (2017a)
Mosla (Benth.) Buch.-Ham. ex Maxim. 쥐깨풀속
 *215. *Mosla dadoensis* K. K. Jeong, M. J. Nam & H. J. Choi 다도해산들깨, JN; GN, Jang et al. (2022)
Paraphlomis Prain 속단아재비속
 216. *Paraphlomis koreana* S. C. Ko & G. Y. Chung 속단아재비, JN (Bogildo), Chung et al. (2017a)
Salvia L. 배암차즈기속
 217. *Salvia chanryoenica* Nakai 참배암차즈기, GG; GW; CB; GB; GN, Chung et al. (2017a)
Scutellaria L. 골무꽃속
 218. *Scutellaria asperiflora* Nakai 다발골무꽃, HN, Chung et al. (2017a)
 219. *Scutellaria indica* L. var. *coccinea* S. T. Kim & S. T. Lee 연지골무꽃, JJ, Chung et al. (2017a)
 220. *Scutellaria insignis* Nakai 광릉골무꽃, central provinces, Chung et al. (2017a)
 221. *Scutellaria pekinensis* Maxim. var. *maxima* S. T. Kim & S. T. Lee 왕골무꽃, GG; GW; CB, Chung et al. (2017a)
Thymus L. 백리향속
 222. *Thymus quinquecostatus* Čelak. var. *magnus* (Nakai) Kitam. 섬백리향, GB (Ulleungdo), Chung et al. (2017a)

Solanaceae 가지과*Scopolia* Jacq. 미치광이풀속

- *223. *Scopolia parviflora* (Dunn) Nakai 미치광이풀, HB; HN; PB; PN; GG; GW; CB; CN; JB; JN; GB; GN, Kim et al. (2003)

Scrophulariaceae 현삼과*Euphrasia* L. 좁쌀풀속(APG IV: Orobanchaceae 열당과)

224. *Euphrasia coreana* W. Becker 깔끔좁쌀풀, JJ (Mt. Hallasan), Chung et al. (2017a)
 225. *Euphrasia coreanalpina* Nakai ex Y. Kimura 애기좁쌀풀, HB; HN; PB, Chung et al. (2017a)
 226. *Euphrasia mucronulata* Nakai ex Y. Kimura 산좁쌀풀, HN, Chung et al. (2017a)
 227. *Euphrasia retroticha* Nakai ex T. Yamaz. 털좁쌀풀, HN, Chung et al. (2017a)
Melampyrum L. 꽃머느리밥풀속(APG IV: Orobanchaceae 열당과)
 228. *Melampyrum koreanum* K. J. Kim & S.-M. Yun 긴꽃머느리밥풀, GN (Somaemuldo), Chung et al. (2017a)
 229. *Melampyrum setaceum* (Maxim. ex Palib.) Nakai var. *nakaiianum* (Tuyama) T. Yamaz. 새머느리밥풀, HB; PN; GW; GB, Chung et al. (2017a)

Paulownia Siebold & Zucc. 오동나무속(APG IV: Paulowniaceae 오동나무과)

230. *Paulownia coreana* Uyeki 오동나무, nearly all provinces (mainly planted); wild habitat unknown, Chung et al. (2017a)

Pedicularis L. 송이풀속(APG IV: Orobanchaceae 열당과)

231. *Pedicularis hallaisanensis* Hurus. 한라송이풀, JJ (Mt. Hallasan), Chung et al. (2017a)
 232. *Pedicularis ishidoyana* Koidz. & Ohwi 애기송이풀, GG; GW; GB; GN, Chung et al. (2017a)
 233. *Pedicularis lunaris* Nakai 칼송이풀, HB; HN, Chung et al. (2017a)
 234. *Pedicularis nigrescens* Nakai 바위송이풀, HB; HN, Chung et al. (2017a)
 235. *Pedicularis resupinata* L. var. *umbrosa* (Kom.) Nakai 그늘송이풀, HB; HN; GW; GB, Chung et al. (2017a)
Pseudolysimachion Opiz 꼬리풀속(APG IV: Plantaginaceae 질경이과)
 236. *Pseudolysimachion kiusianum* (Furumi) Holub subsp. *kiusianum* (Furumi) T. Yamaz. var. *diamantiacum* (Nakai) T. Yamaz. 봉래꼬리풀, GW (Mt. Geumgangsán; Mt. Seoraksán), Chung et al. (2017a)
 237. *Pseudolysimachion nakaianum* (Ohwi) T. Yamaz. 섬꼬리풀, GB (Ulleungdo), Chung et al. (2017a)
 238. *Pseudolysimachion pusanensis* (Y. N. Lee) Y. N. Lee 부산꼬리풀, GN (Busan), Chung et al. (2017a)
 239. *Pseudolysimachion pyrethrinum* (Nakai) T. Yamaz. 큰구와꼬리풀, GB, Chung et al. (2017a)
Scrophularia Tourn. ex L. 현삼속
 240. *Scrophularia cephalantha* Nakai 몽울토현삼, GW; GB; GN, Chung et al. (2017a)
 241. *Scrophularia koraiensis* Nakai 토현삼, GG; GW; CB; GB, Chung et al. (2017a)
 242. *Scrophularia takesimensis* Nakai 섬현삼, GB (Ulleungdo), Chung et al. (2017a)

Orobanchaceae 열당과

Orobanche L. 초중용속

243. *Orobanche filicicola* Nakai ex Hyun, Y. S. Lim & H. C. Shin 백양터부살이, JB; JN; JJ, Chung et al. (2017a)

Rubiaceae 꼭두서니과

Asperula L. 갈퀴아재비속

244. *Asperula lasiantha* Nakai 갈퀴아재비, PN (Seongcheon); GN (Mt. Jirisan), Chung et al. (2017a)

Galium L. 갈퀴덩굴속

245. *Galium koreanum* (Nakai) Nakai 참갈퀴덩굴, HW; CN; JB; JN; GB; GN; JJ, Chung et al. (2017a)
 *246. *Galium verum* L. var. *hallaensis* K. S. Jeong & K. Choi 애기솔나물, JJ (Mt. Hallasan), Jeong et al. (2017)

Rubia L. 꼭두서니속

247. *Rubia pubescens* Nakai 우단꼭두서니, central to southern provinces, Chung et al. (2017a)

Caprifoliaceae 인동과

Lonicera L. 인동속

248. *Lonicera insularis* Nakai 섬괴불나무, GB (Ulleungdo), Chung et al. (2017a)
 249. *Lonicera maximowiczii* (Rupr.) Regel var. *latifolia* (Ohwi) H. Hara 흰등괴불나무, JN (Mt. Jirisan); JJ (Mt. Hallasan), Chung et al. (2017a)
 250. *Lonicera subsessilis* Rehder 청괴불나무, all provinces except CN and JJ, Chung et al. (2017a)

Sambucus L. 딱총나무속(APG IV: Viburnaceae 산분꽃나무과)

251. *Sambucus racemosa* L. subsp. *pendula* (Nakai) H. I. Lim & Chin S. Chang 말오춤나무, GB (Ulleungdo), Chung et al. (2017a)

Weigela Thunb. 병꽃나무속

252. *Weigela subsessilis* (Nakai) L. H. Bailey 병꽃나무, all provinces, Chung et al. (2017a)

Zabelia (Rehder) Makino 땡강나무속

253. *Zabelia densipila* M.-P. Hong, Y. C. Kim & B. Y. Lee 긴털땡강나무, GW (Yeongwol), Chung et al. (2017a)
 254. *Zabelia tyaihyonii* (Nakai) Hisauti & H. Hara 땡강나무, PN; CB (Danyang), Chung et al. (2017a)

Valerianaceae 마타리과

Patrinia Juss. 마타리속(APG IV: Caprifoliaceae 인동과)

255. *Patrinia saniculifolia* Hemsl. 금마타리, HB; HN; PB; PN; HW; GG; GW; CB; JB; GB; GN; Chung et al. (2017a)

Valeriana L. 쥐오줌풀속(APG IV: Caprifoliaceae 인동과)

256. *Valeriana dageletiana* Nakai ex F. Maek. 넓은잎쥐오줌풀, GB (Ulleungdo), Chung et al. (2017a)

Campanulaceae 초롱꽃과

Adenophora Fisch. 잔대속

257. *Adenophora erecta* S. T. Lee, J. K. Lee & S. T. Kim 선모시대, GB (Ulleungdo), Chung et al. (2017a)

258. *Adenophora kayasanensis* Kitam. 가야산잔대, GB; GN (Mt. Gayasan), Chung et al. (2017a)
 259. *Adenophora koreana* Kitam. 꽃잔대, HN; PB; GW (Mt. Geumgansan), Chung et al. (2017a)
 260. *Adenophora racemosa* J. K. Lee & S. T. Lee 외대잔대, GW; GB, Chung et al. (2017a)
 261. *Adenophora remotidens* Hemsl. 인천잔대, GG (Incheon), Chung et al. (2017a)
 262. *Adenophora verticillata* Fisch. var. *abbreviata* H. Lév. 줍층층잔대, JJ (Mt. Hallasan), Chung et al. (2017a)
Campanula L. 초롱꽃속
 263. *Campanula takesimana* Nakai 섬초롱꽃, GB (Ulleungdo), Chung et al. (2017a)
Codonopsis Wall. 더덕속
 264. *Codonopsis minima* Nakai 애기더덕, JJ (Mt. Hallasan), Chung et al. (2017a)
Hanabusaya Nakai 금강초롱꽃속
 265. *Hanabusaya asiatica* (Nakai) Nakai 금강초롱꽃, HN; PN; GG; GW, Chung et al. (2017a)
 266. *Hanabusaya latisejala* Nakai 검산초롱꽃, HN; PB, Chung et al. (2017a)

Asteraceae 국화과

- Achillea* L. 톱풀속
 267. *Achillea alpina* L. subsp. *rhodoptarmica* (Nakai) Kitam. 붉은톱풀, HB, Chung et al. (2017a)
Artemisia L. 쭈속
 268. *Artemisia hallaisanensis* Nakai 섬쭈, JJ (Mt. Hallasan), Chung et al. (2017a)
Aster L. 참취속
 269. *Aster danyangensis* J. Y. Kim & G. Y. Chung 단양쭈부쟁이, GG (Yeoju); CB (Danyang), Chung et al. (2017a)
 270. *Aster hayatae* H. Lév. & Vaniot 눈쭈부쟁이, JJ (Mt. Hallasan), Chung et al. (2017a)
 271. *Aster koraiensis* Nakai 별개미취, all provinces (mainly planted), Chung et al. (2017a)
 272. *Aster pseudoglehnii* Y. S. Lim, Hyun & H. Shin 섬쭈부쟁이, GB (Ulleungdo), Chung et al. (2017a)
 273. *Aster ×chusanensis* Y. S. Lim, Hyun, Y. D. Kim & H. C. Shin 추산쭈부쟁이, GB (Ulleungdo), Chung et al. (2017a)
Cirsium Mill. 엉겅퀴속
 274. *Cirsium rhinoceros* (H. Lév. & Vaniot) Nakai 바늘엉겅퀴, GG; GN; JJ, Chung et al. (2017a)
 275. *Cirsium setidens* (Dunn) Nakai 고려엉겅퀴, all provinces except JJ, Chung et al. (2017a)
 276. *Cirsium setidens* (Dunn) Nakai var. *niveo-araneum* Kitam. 흰잎고려엉겅퀴, HN; PN; GG; GW; CB; CN; JB; JN; GB; GN, Chung et al. (2017a)
Crepidiastrum Nakai 고들빼기속
 277. *Crepidiastrum hallaisanense* (H. Lév.) J. H. Pak 한라고들빼기, JJ (Mt. Hallasan), Chung et al. (2017a)
 278. *Crepidiastrum koidzumianum* (Kitam.) J. H. Pak & Kawano 지리고들빼기, GN (Mt. Jirisan), Chung et al. (2017a)
Dendranthema (DC.) Des Moul. 구절초속
 279. *Dendranthema coreanum* (H. Lév. & Vaniot) Vorosch. 한라구절초, JJ (Mt. Hallasan), Chung et al. (2017a)
 *280. *Dendranthema jeongseonense* M. Kim & H. Jo 정선국화, GW (Jeongseon), Kim (2017b)
 281. *Dendranthema zawadskii* (Herbich) Tzvelev var. *lucida* (Nakai) Pak 울릉국화, GB (Ulleungdo), Chung et al. (2017a)
 282. *Dendranthema zawadskii* (Herbich) Tzvelev var. *sinchangense* (Uyeki) M. Kim 신창구절초, PN, Chung et al. (2017a)
Hololeion Kitam. 깨묵속
 283. *Hololeion maximowiczii* Kitam. var. *fauriei* (H. Lév. & Vaniot) J. H. Pak 줍깨묵, GG; JB; JN; GB; GN, Chung et al. (2017a)
Ixeris (Cass.) Cass. 선씀바귀속
 284. *Ixeris ×chinobebilis* Kitam. 함흥씀바귀, HN, Chung et al. (2017a)
Leontopodium R. Br. ex Cass. 솜다리속
 285. *Leontopodium coreanum* Nakai 솜다리, GG; GW; CB; GB, Chung et al. (2017a)
 286. *Leontopodium coreanum* Nakai var. *hallaisanense* (Hand.-Mazz.) D. H. Lee & B. H. Choi 한라솜다리, JJ (Mt. Hallasan), Chung et al. (2017a)
 287. *Leontopodium leirolepis* Nakai 산솜다리, HB; HN; PB; GW, Chung et al. (2017a)
Parasenecio W. W. Sm. & J. Small 박취나물속
 288. *Parasenecio pseudotaimingasa* (Nakai) B. U. Oh 어리병풍, CB; GN, Chung et al. (2017a)
Saussurea DC. 취나물속
 *289. *Saussurea albifolia* M. J. Nam & H. T. Im 함백취, GW; GB, Sun et al. (2021)

290. *Saussurea calcicola* Nakai 사창분취, GW, Chung et al. (2017a)
 291. *Saussurea chabyoungsanica* H. T. Im 자병취, GW, Chung et al. (2017a)
 292. *Saussurea conandrifolia* Nakai 담배취, HB; PB, Chung et al. (2017a)
 293. *Saussurea diamantiaca* Nakai 금강분취, HN; PN; GW(Mt. Geumgansan; Mt. Seoraksan), Chung et al. (2017a)
 294. *Saussurea eriophylla* Nakai 솜분취, GW, Chung et al. (2017a)
 295. *Saussurea grandicapitula* W. T. Lee & H. T. Im 태백취, GW (Mt. Taekbaeksan), Chung et al. (2017a)
 296. *Saussurea koidzumiana* Kitam. 경성서덜취, HB; GW (Goseong), Chung et al. (2017a)
 297. *Saussurea komaroviana* Lipsch. 비단분취, HB; HN, Chung et al. (2017a)
 298. *Saussurea macrolepis* (Nakai) Kitam. 각시서덜취, GG; JN; GB; GN, Chung et al. (2017a)
 299. *Saussurea myokoensis* Kitam. 묘향분취, PB, Chung et al. (2017a)
 *300. *Saussurea namhaedoana* J. M. Chung & H. T. Im 남해분취, GN (Namhaedo), Sun et al. (2022)
 301. *Saussurea polylepis* Nakai 홍도서덜취, JN (Hongdo; Maegado), Chung et al. (2017a)
 302. *Saussurea rectinervis* Nakai 백설취, HB; HN; PB; PN, Chung et al. (2017a)
 303. *Saussurea rorinsanensis* Nakai 털분취, PB, Chung et al. (2017a)
 304. *Saussurea seoulensis* Nakai 분취, GG; GW, Chung et al. (2017a)
 305. *Saussurea uchiyamana* Nakai 그늘취, North Korea; GG, Chung et al. (2017a)
 306. *Saussurea umbrosa* Kom. var. *herbicola* Nakai 긴산취, HN, Chung et al. (2017a)
Taraxacum F. H. Wigg. 민들레속
 307. *Taraxacum hallaisanense* Nakai 쯤민들레, JJ (Mt. Hallasan), Chung et al. (2017a)

MONOCOTYLEDONEAE 단자엽식물강
Zosteraceae 거머리말과

Zostera L. 거머리말속

308. *Zostera geojeensis* H. Shin, Cho & Y. S. Oh 쯤마디거머리말, CN (Mongsanpo); GN (Daedapo), Chung et al. (2017a)

Poaceae 벼과

Arundinaria Michx. 해장죽속

309. *Arundinaria munsuensis* Y. N. Lee 문수조릿대, JN (Mt. Jirisan), Chung et al. (2017a)

Calamagrostis Adans. 산새풀속

310. *Calamagrostis subacrochaeta* Nakai 낭림새풀, PB (Mt. Nangnimsan), Chung et al. (2017a)

Festuca Tourn. ex L. 김의털속

- *311. *Festuca ovina* L. var. *chiisanensis* Ohwi 지리산김의털, GN (Mt. Jirisan), Alexeev (1988)
 312. *Festuca ovina* L. var. *chosenica* Ohwi 수염김의털, HB; GN (Mt. Jirisan), Chung et al. (2017a)
 313. *Festuca ovina* L. var. *koreanoalpina* Ohwi 두메김의털, HB; HN; PB; GW; GN; JJ, Chung et al. (2017a)

Miscanthus Andersson 억새속

314. *Miscanthus changii* Y. N. Lee 장억새, GG; GW, Chung et al. (2017a)
 *315. *Miscanthus wangpicheonensis* T. I. Heo & J. S. Kim 물억새아재비, GB, Heo et al. (2021)

Poa L. 포아풀속

316. *Poa deschampsoides* Ohwi 쯤새포아풀, HB; HN, Chung et al. (2017a)
 317. *Poa kumgansanii* Ohwi 금강포아풀, GW (Mt. Geumgansan), Chung et al. (2017a)
 318. *Poa takeshimana* Honda 섬포아풀, GB (Ulleungdo), Chung et al. (2017a)
 319. *Poa ullungdoensis* I. C. Chung 울릉포아풀, GB (Ulleungdo), Chung et al. (2017a)

Sasa Makino & Shibata 조릿대속

320. *Sasa coreana* Nakai 신이대, HB, Chung et al. (2017a)
 321. *Sasa quelpaertensis* Nakai 제주조릿대, JJ, Chung et al. (2017a)

Cyperaceae 사초과

Carex L. 사초속

- *322. *Carex brevispicula* G. H. Nam & G. Y. Chung 쯤목포사초, all provinces except JJ, Nam et al. (2020)
 *323. *Carex fusanensis* Ohwi 부산사초, GG; GW; CB; JB; JN; GB; GN, Park et al. (2016)
 324. *Carex humbertiana* Ohwi 큰뚝사초, HB; GW, Chung et al. (2017a)
 *325. *Carex nakasimae* Ohwi 화산사초, GG; GN, Park et al. (2016)

326. *Carex ochrochlamys* Ohwi 애기이삭사초, HB; HN, Chung et al. (2017a)
 327. *Carex okamotoi* Ohwi 지리대사초, central to southern provinces, Chung et al. (2017a)
 328. *Carex phaeothrix* Ohwi 조이삭사초, HB, Chung et al. (2017a)
 329. *Carex pseudochinensis* H. Lév. & Vaniot 햇사초, PN; GG; GN, Chung et al. (2017a)
 330. *Carex sabynensis* Less. ex Kunth var. *leiosperma* Ohwi 지리실청사초, JB; JN; GN, Chung et al. (2017a)
 331. *Carex splendentissima* U. Kang & J. M. Chung 반들대사초, GW (Jeongseon; Pyeongchang); CB (Jecheon), Chung et al. (2017a)
 332. *Carex subumbellata* Meinsh. var. *koreana* Ohwi 구름사초, HN, Chung et al. (2017a)
Fimbristylis Vahl 하늘지گی속
 333. *Fimbristylis jindoensis* J. H. Kim & M. Kim 진도하늘지گی, JN (Jindo), Chung et al. (2017a)
Scleria P. J. Bergius 너도고랭이속
 334. *Scleria mutoensis* Nakai 무등풀, JN (habitat unclear), Chung et al. (2017a)
Trichophorum Pers. 애기황새풀속
 335. *Trichophorum dioicum* (Y. N. Lee & Y. C. Oh) J. Jung & H. K. Choi 동강고랭이, GW (Jeongseon), Chung et al. (2017a)

Araceae 천남성과

- Arisaema* Mart. 천남성속
 336. *Arisaema takesimense* Nakai 섬남성, GB (Ulleungdo), Chung et al. (2017a)
 337. *Arisaema thunbergii* Blume subsp. *geomundoense* S. C. Ko 거문천남성, JN (Geomundo); JJ (Mt. Hallasan), Chung et al. (2017a)

Liliaceae 백합과

- Allium* L. 부추속(APG IV: Amaryllidaceae 수선화과)
 *338. *Allium dumebuchum* H. J. Choi 두메부추, GB (Ulleungdo), Jang et al. (2021b)
 339. *Allium koreanum* H. J. Choi & B. U. Oh 돌부추, JB; GB; GN, Chung et al. (2017a)
 340. *Allium linearifolium* H. J. Choi & B. U. Oh 선부추, CB, Chung et al. (2017a)
 341. *Allium minus* (S. O. Yu, S. T. Lee & W. T. Lee) H. J. Choi & B. U. Oh 좁부추, probably extinct in wild; cultivated mainly in GG and GW, Chung et al. (2017a)
 342. *Allium taquetii* H. Lév. & Vaniot 한라부추, JJ (Mt. Hallasan), Chung et al. (2017a)
 343. *Allium thunbergii* G. Don var. *teretifolium* H. J. Choi & B. U. Oh 등근산부추, JB; JN, Chung et al. (2017a)
 *344. *Allium ulleungense* H. J. Choi & N. Friesen 울릉산마늘, GB (Ulleungdo), Choi et al. (2019b)
Chamaelirium Willd. 실꽃풀속(APG IV: Melanthiaceae 멜란티움과)
 *345. *Chamaelirium japonicum* (Willd.) N. Tanaka subsp. *yakusimense* (Masam.) N. Tanaka var. *koreanum* (F. T. Wang & T. Tang) N. Tanaka 제주실꽃풀, JJ, Tanaka (2017)
Heloniopsis A.Gray 처녀치마속(APG IV: Melanthiaceae 멜란티움과)
 346. *Heloniopsis koreana* Fuse, N. S. Lee & M. N. Tamura 처녀치마, PN; HN; GG; GW; JN, Chung et al. (2017a)
 347. *Heloniopsis tubiflora* Fuse, N. S. Lee & M. N. Tamura 숙은처녀치마, GW; JB; JN; GN, Chung et al. (2017a)
Hemerocallis L. 원추리속(APG IV: Asphodelaceae 원추리꽃과)
 348. *Hemerocallis hakuunensis* Nakai 백운산원추리, central to southern provinces, Chung et al. (2017a)
 349. *Hemerocallis hongdoensis* M. G. Chung & S. S. Kang 홍도원추리, JN (Hongdo; Gageodo; Heuksando), Chung et al. (2017a)
 350. *Hemerocallis taeanensis* S. S. Kang & M. G. Chung 태안원추리, CN (Taeon), Chung et al. (2017a)
Hosta Tratt. 비비추속(APG IV: Asparagaceae 비짜루과)
 351. *Hosta clausa* Nakai var. *geumgangensis* M. Kim & H. Jo 금강비비추, JB (Jinan), Chung et al. (2017a)
 352. *Hosta jonesii* M. G. Chung 다도해비비추, GN; JN, Chung et al. (2017a)
 353. *Hosta minor* (Baker) Nakai 좁비비추, central and southern provinces, Chung et al. (2017a)
 354. *Hosta venusta* F. Maek. 한라비비추, JJ (Mt. Hallasan), Chung et al. (2017a)
 355. *Hosta yingeri* S. B. Jones 흑산도비비추, JN (Heuksando), Chung et al. (2017a)
Lilium Tourn. ex L. 백합속
 356. *Lilium hansonii* Leichtlin ex D. D. T. Moore 섬말나리, GB (Ulleungdo), Chung et al. (2017a)
Maianthemum F. H. Wigg. 두루미꽃속
 357. *Maianthemum bicolor* (Nakai) Cubey 자주숨대, HB; HN; GW; CB; JB, Chung et al. (2017a)
Polygonatum Mill. 등골레속(APG IV: Asparagaceae 비짜루과)
 358. *Polygonatum grandicaule* Y. S. Kim, B. U. Oh & C. G. Jang 선등골레, CB (Mt. Gakhosan; Mt. Minjujisan), Chung et al. (2017a)

359. *Polygonatum infundiflorum* Y. S. Kim, B. U. Oh & C. G. Jang 늦둥굴레, GG (Pungdo), Chung et al. (2017a)
Tofieldia Huds. 꽃장포속(APG IV: Tofieldiaceae 꽃장포과)
- *360. *Tofieldia ulleungensis* H. Jo 울릉꽃장포, GB (Ulleungdo), Jo et al. (2020)
361. *Tofieldia yoshiiana* Makino var. *koreana* (Ohwi) M. N. Tamura, Fuse & N. S. Lee 꽃장포, GG; GW (Wonsan), Chung et al. (2017a)

Amaryllidaceae 수선화과

Lycoris Herb. 상사화속

362. *Lycoris chinensis* Traub var. *sinuolata* K. H. Tae & S. C. Ko ex K. H. Tae & S. C. Ko 진노랑상사화, JB; JN, Chung et al. (2017a)
363. *Lycoris flavescens* M. Kim & S. T. Lee 붉노랑상사화, GG; CN; JB; JN; JJ, Chung et al. (2017a)
364. *Lycoris udoensis* M. Kim 위도상사화, JB (Wido), Chung et al. (2017a)
365. *Lycoris ×chejuensis* K. H. Tae & S. C. Ko 제주상사화, JJ, Chung et al. (2017a)

Dioscoreaceae 마과

Dioscorea Plum. ex L. 마속

366. *Dioscorea coreana* (Prain & Burkill) R. Knuth 푸른마, all provinces, Chung et al. (2017a)

Iridaceae 붓꽃과

Iris Tourn. ex L. 붓꽃속

367. *Iris koreana* Nakai 노랑붓꽃, JB; JN, Chung et al. (2017a)
368. *Iris rossii* Baker var. *latifolia* J. K. Sim & Y. S. Kim 넓은잎각시붓꽃, CN; JB; JN, Chung et al. (2017a)

Orchidaceae 난초과

Goodyera R. Br. 사철란속

369. *Goodyera ×tamnaensis* N. S. Lee, K. S. Lee, S. H. Yeau & C. S. Lee 탐라사철란, JJ (Seogwipo), Chung et al. (2017a)
Habenaria Willd. 해오라비난초속
370. *Habenaria cruciformis* Ohwi 개잡자리난초, GG; GW; GN, Chung et al. (2017a)
Liparis Rich. 나리난초속
371. *Liparis koreana* (Nakai) Nakai ex W. T. Lee 참나리난초, HB; HN; PB; GG; GW; JB, Chung et al. (2017a)
372. *Liparis pterosepala* N. S. Lee, C. S. Lee & K. S. Lee 날개옥잠난초, JJ, Chung et al. (2017a)
373. *Liparis yongnoana* N. S. Lee, C. S. Lee & K. S. Lee 계우옥잠난초, GW; JJ, Chung et al. (2017a)