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Updated checklist of Chinese Umbelliferae: nomenclature, synonymy, typification, distribution. Supplementum

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Summary. In recently published taxonomic and floristic checklist of Chinese Umbelliferae (Pimenov, 2017, Turczaninowia 20, 2: 106–239) 13 pages in the beginning of species conspectus were omitted, according to technical reasons. These pages contain in particular the genera *Acronema* (partly) and *Angelica* (partly), essential for Chinese flora. Present publication covers this annoying omission.

Обновленный конспект зонтичных (Umbelliferae) Китая: номенклатура, синонимия, типификация, распространение. Дополнение

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Ключевые слова: Восточная Азия, зонтичные, Китай, лектотипификация, синонимия, систематика, таксономия, фитогеография, эндемичные виды, Апиасеае.

Аннотация. В недавно опубликованном таксономическом и флористическом обзоре зонтичных Китая (Pimenov, 2017, Turczaninowia 20, 2: 106–239) по техническим причинам выпали 13 страниц текста в начале конспекта видов. В частности, на этих страницах находится материал по важным для китайской флоры родам *Acronema* (частично) и *Angelica* (частично). Настоящая публикация закрывает этот досадный пробел.

Acronema astrantiifolium H. Wolff, 1929, Repert. Spec. Nov. Regni Veg. 27: 192.

≡ *Pimpinella astrantiifolia* (H. Wolff) M. Hiroe, 1979, Umbelliferae World: 831.

Type: CHINA. “Yunnan: in pratis alpinis saxosis infra 3500–4200 m s. m. prope Likiang, 02 IX 1914 Schneider 3355” (lectotype GH! (barcode GH00073772), designated here; isolectotype K! (barcode K000075383)).

Distribution in China: SW: Sichuan, Yunnan. Endemic.

Acronema brevipedicellatum Pan Zehui et M. F. Watson, 2004, Acta Phytotax. Sin. 42(6): 562.

Type: CHINA. “Yunnan, Lijiang, Mt. Yulong Shan, alt. 3300 m, 28 IX 1984, Pan Zehui et al. 84–186” (holotype NAS).

– *Acronema radiatum* auct. non H. Wolff: Liou Shoulu et Shan Renhwa, 1980, Acta Phytotax. Sin. 18(2): 201.

Distribution in China: Tibet: Xizang A. R.; SW: Yunnan. Endemic.

Acronema chinense H. Wolff, 1926, Acta Horti Gothob. 7: 309.

≡ *Pimpinella chinensis* (H. Wolff) M. Hiroe, 1979, Umbelliferae World: 831, “chinense”.

Type: CHINA. “Sze-ch'uan bor.: San-ch'a-tzü,

an feuchten Kalkfelsen, 4200–4400 m. Ad rupes calcareas, 10 VIII 1922, H. Smith 3187” (syntypes S!, UPS!); “Sze-ch'uan bor.: San-ch'a-tzü, 4100 m. In prato aprico, herboso, 10 VIII 1922, H. Smith 3438” (syntypes PE!, UPS!); “Prov. Sze-ch'uan, reg. bor.: Dongrergo, supra Huang-lung-ssu, 4000–4150 m. In prato herboso, lapidoso, 22 VII 1922, H. Smith 3238” (lectotype UPS!, designated here; isolectotypes BM! (barcode BM000813423); GB! (barcode GB0048795); LD! (barcode LD1027158); W! (barcode W1926-0019604)).

Distribution in China: NW: Gansu; Tibet: Xizang A. R., Qinghai; SW: Sichuan, Yunnan. Endemic.

Acronema chinense H. Wolff var. *humile* Liou Shoulu et Shan Renhwa, 1980, Acta Phytotax. Sin. 18(2): 200.

Type: CHINA. “Qinghai, Zhido, L. W. Chou, 428” (holotype HNWP).

Distribution in China: Tibet: Qinghai. Endemic.

Acronema commutatum H. Wolff, 1929, Repert. Spec. Nov. Regni Veg. 27: 192.

≡ *Pimpinella commutata* (H. Wolff) M. Hiroe, 1979, Umbelliferae World: 831.

Type: CHINA. “Yunnan, shady damp situations in mixed forest on the eastern flank of Lichiang Range. Lat. 27°20' N; alt. 9–10000', 08.1905, Forrest 2852” (lectotype E!, designated here; isolectotypes BM! (barcode BM000944759); K!).

Distribution in China: Tibet: Xizang A. R.; SW: Sichuan, Yunnan. Endemic.

Acronema crassifolium Wang Huanchong, Zhou Xinmao, Sun Hang et Wang Yuehua, 2013, Phytotaxa 87: 40.

Type: CHINA. “Yunnan Province: Luquan County, Jiaozishan Mountains, on alpine meadow, elev. 3800 m a. s. l., 31 X 1964, Zhu, Wu 2802” (holotype HYU; isotype HYU).

Distribution in China: SW: Yunnan. Endemic.

Acronema edosmioides (H. Boissieu) Pimenov et Kljuykov, 1999, Feddes Repert. 110(7–8): 481.

≡ *Pimpinella edosmioides* H. Boissieu, 1909, Bull. Soc. Bot. France 56: 352.

Type: CHINA. “Chine, province du Yun-nan, Delavay” (lectotype P! (barcode P00753109), designated here; isolectotype P! (barcode P00753110)).

= *Acronema schneideri* H. Wolff, 1930, Repert. Spec. Nov. Regni Veg. 27: 301.

= *Pimpinella schneideri* (H. Wolff) M. Hiroe, 1979, Umbelliferae World: 832.

Type: CHINA. “Yunnan: Lichiang, c. 3600 m, in decliv. herbosis saxosis infra glaciem magnam, 23 VIII 1914, Schneider 3600” (holotype G! (barcode G00359329); isotype K?).

Distribution in China: Tibet: Xizang A. R.; SW: Sichuan, Yunnan. Endemic.

Acronema forrestii H. Wolff, 1930, Repert. Spec. Nov. Regni Veg. 27: 316.

≡ *Pimpinella forrestii* (H. Wolff) M. Hiroe, 1979, Umbelliferae World: 831.

Type: CHINA. “Yunnan, Forrest 6667” (lectotype E, designated here; isolectotype K! (barcode K000075382)).

Distribution in China: SW: Sichuan, Yunnan. Endemic.

Acronema gracile Liou Shoulu et Shan Renhwa, 1980, Acta Phytotax. Sin. 18(2): 202, tab. 6.

Type: CHINA. “Xizang, Gyirong, Qinghai-Xizang Exped. 5321” (holotype PE).

Distribution in China: Tibet: Xizang A. R. Endemic.

Acronema graminifolium (W. W. Sm.) Liou Shoulu et Shan Renhwa, 1980, Acta Phytotax. Sin. 18(2): 197.

≡ *Pimpinella hookeri* C. B. Clarke var. *graminifolia* W. W. Sm., 1911, Rec. Bot. Surv. India 4(5): 200.

≡ *Acronema hookeri* (C. B. Clarke) H. Wolff var. *graminifolium* (W. W. Sm.) H. Wolff, 1927, in Engler, Pflanzenreich 90(IV, 228): 323.

Type: CHINA. “Chumbu valley: Bhootan Himalaya, Pankabeeseemoo, 26 VII 1884, Dungboo 247” (lectotype K! (barcode K0006957350), designated by Watson, 1998: 370).

Distribution in China: Tibet: Xizang A. R.; SW: Sichuan.

Distribution outside China: Bhutan, India.

Acronema handelii H. Wolff, 1927, in Engler, Pflanzenreich 90(IV, 228): 322.

≡ *Pimpinella handelii* (H. Wolff) M. Hiroe, 1979, Umbelliferae World: 831.

Type: CHINA. “Prov. Yunnan bor.-occid.: Inter vicos Bodo (Peti) et Alo, ad austro-orient. pagi Dschungdien (Chungtien), in regione frigide temper., 08 VIII 1914, Handel-Mazzetti 4588” (lectotype E, designated by M. F. Farille in E as “type” (Watson, 1988: 370); isolectotypes E! (barcode E00000962);

US; W (barcode W1940-0014471); WU! (barcode WU0025942)).

Distribution in China: SW: Yunnan.

Distribution outside China: Myanmar, Nepal, India.

Acronema hookeri (C. B. Clarke) H. Wolff, 1927, in Engler, Pflanzenreich 90(IV, 228): 323.

≡ *Pimpinella hookeri* C. B. Clarke, 1879, in Hooker, Fl. Brit. India 2: 686.

≡ *Carum hookeri* (C. B. Clarke) Franch., 1894, Bull. Annuel Soc. Philom. Paris (sér. 8) 6: 122.

Type: INDIA. “Sikkim, [northern valleys], Lachen, 11000', 31 VII 1849, Hooker” (lectotype K! (barcode K000685474), designated by Watson, 1998: 370; photo E! [E00265220], G! (barcode G00359328); GH, MH!, NY); “Sikkim, alt. 8–11000 ped., Sarding, 21 VII 1849, Hooker 2 *Acronema*” (syntypes K!, P! (barcode P025443264), S!).

Distribution in China: Tibet: Xizang A. R.; SW: Yunnan.

Distribution outside China: Bhutan, Nepal, India.

Acronema johrianum Babu, 1973, Brittonia 25(2): 159, fig. 1.

Type: NEPAL. “Ghopte, Gossainthan, 4290 m, open place, 09 IX 1965, Shrestha, Sakya 3740” (holotype CAL).

Distribution in China: Tibet: Xizang A. R.

Distribution outside China: Nepal.

Acronema muscicola (Hand.-Mazz.) Hand.-Mazz., 1933, Symb. Sin. 7(3): 715, “*muscicolum*”.

≡ *Pimpinella muscicola* Hand.-Mazz., 1925, Anz. Akad. Wiss. Wien, Math.-Naturwiss. Kl. 62: 226.

Type: CHINA. “Prov. Yunnan bor.-occid.: Inter pagum Dschungdien (“Chungtien”) et vicum Djitsung, in regionis frigide temperatae abietetis jugi Ngukala, ad rupes muscis lectas, 25 VIII 1915, Handel-Mazzetti 7807” (lectotype WU!, designated here; isolectotypes E! (barcode E00000531), K! (barcode K000075380); US).

Distribution in China: Tibet: Xizang A.R.; SW: Sichuan, Yunnan.

Distribution outside China: Nepal, India.

Acronema nervosum H. Wolff, 1930, Repert. Spec. Nov. Regni Veg. 27: 315.

Type: INDIA. “Sikkim, Changu, 2000', 10 VII 1910, W. W. Smith 3361” (lectotype K! (barcode K000695727), designated by Watson, 1998: 371;

photo E! (barcode E00265219)).

Distribution in China: Tibet: Xizang A. R.; SW: Sichuan.

Distribution outside China: Bhutan, Nepal, India.

Acronema paniculatum (Franch.) H. Wolff, 1927, in Engler, Pflanzenreich 90(IV, 228): 323.

≡ *Carum paniculatum* Franch., 1894, Bull. Annuel Soc. Philom. Paris (sér. 8) 6: 122.

≡ *Pimpinella paniculata* (Franch.) M. Hiroe, 1979, Umbelliferae World: 832.

Type: CHINA. “Yun-nan, ad cacumina montis Che-tcho-tze, supra Tapin-Tze [Sommet du Mt. Chetchotze au-dessus de Ta-pin tze], 10.10.1892, Delavay 487” (lectotype P! (barcode P00245406), designated in P by M. A. Farille; isolectotypes P! (barcodes P00834648, P00245407)).

Distribution in China: Tibet: Xizang A. R.; SW: Sichuan, Yunnan.

Distribution outside China: Bhutan, Nepal.

Acronema pseudotenerum P. K. Mukh., 1978, in Cauwet-Marc et Carbonier, Ombell. Contr. Pluridisc. Syst.: 52., “*pseudotenera*”.

Type: INDIA. “Sikkim: Momay Sandong (Lachung), 16500 ft., 18 IX 1892, Gammie 916” (holotype CAL).

Distribution in China: Tibet: Xizang A. R.

Distribution outside China: India.

Acronema sichuanense Liou Shoulu et Shan Renhwa, 1980, Acta Phytotax. Sin. 18(2): 199.

Type: CHINA. “Sichuan: Zhuosijia, P. H. Li 10551” (holotype NAS).

Distribution in China: NW; Tibet: Qinghai; SW: Sichuan, Yunnan.

Distribution outside China: Bhutan, Nepal, India.

Acronema tenerum (DC.) Edgew., 1846, Trans. Linn. Soc. London 20(1): 51.

≡ *Helosciadium tenerum* DC., 1830, Prodr. 4: 105.

≡ *Pimpinella tenera* (DC.) C. B. Clarke, 1879, in Hooker, Fl. Brit. India 2: 686.

≡ *Carum tenerum* (DC.) Franch., 1894, Bull. Annuel Soc. Philom. Paris (sér. 8) 6: 122.

Type: NEPAL. “In Nepaliae monte alto Sheopore, IX 1821, Wallich [593]” (lectotype G-DC!, designated by Watson, 1998: 371; isolectotypes CAL, K!, K-WALLICH! (barcode K000685499), LIV).

= *Pimpinella tenera* (DC.) C. B. Clarke var. *dissecta* C. B. Clarke, 1879, in Hooker, Fl. Brit. India 2: 686.

= *Acronema tenerum* (DC.) Edgew. var. *dissectum* (C. B. Clarke) H. Wolff, 1927, in Engler, Pflanzenreich 90(IV, 228): 321.

Type: INDIA. “Sikkim, 8–10000’, Hooker and Thomson” (syntype K); P (barcode P02519868); “Singaleleh, Darjeeling, Clarke 554” (syntype K); “Kumaun, Saba, Ralam-valley, Duthie 2950” (syntype K).

= *Acronema ioniostyles* Farille et Lachard, 2002, Acta Bot. Gallica 149(4): 375, fig. 3.

Type: INDIA. “NW India, Garhwald, 5000–6000 feet, 02 IX 1885, Duthie 4058” (holotype BM!).

Distribution in China: Tibet: Xizang A. R.; SW: Sichuan, Yunnan.

Distribution outside China: Thailand, Bhutan, Nepal, India.

Acronema xizangense Liou Shoulu et Shan Renhwa, 1980, Acta Phytotax. Sin. 18(2): 202, tab. 5.

Type: CHINA. “Xizang, Mainling, Qinghai-Xizang Exped. 3394” (holotype PE).

Distribution in China: Tibet: Xizang A. R.; SW: Sichuan. Endemic.

Acronema yadongense Liou Shoulu, 1990, Acta Phytotax. Sin. 28(2): 147, tab. 2.

Type: CHINA. “Xizang, Yadong, alt. 3700 m, 1974, Qinghai-Xizang Exped. 74–2532” (holotype KUN!; isotype PE?).

Distribution in China: Tibet: Xizang A. R. Endemic.

Aegopodium alpestre Ledeb., 1829, Fl. Altaic. 1: 354.

≡ *Carum alpestre* (Ledeb.) Koso-Pol., 1916, Bull. Soc. Imp. Naturalistes Moscou, s. n. 29: 199.

Type: RUSSIA. “[Altai] Tscharysch, Ledebour 414 (268/742/918) (lectotype LE!, designated by Vinogradova, 2005: 958; isolectotypes C?, P! (barcodes P02518728, P02518744)); “circa fontes fl. Belaja Uba et Tscharysch, VII 1826, Meyer [et Ledebour]” (syntype LE!). KAZAKHSTAN. “In subumbrosis alpestribus v. gr. in latere boreali montis crucis prope Riddersk” (syntype LE?).

= *Aegopodium alpestre* Ledeb. f. *tenerum* H. Hara, 1936, Bot. Mag. (Tokyo) 50: 365.

Type: JAPAN. “Hokkaido, Southern Hidaka, Mt. Apoi, Mt. Horoman, Saruru, etc., 831” (syntypes TI!).

= *Aegopodium alpestre* Ledeb. f. *scabrum* Kitag., 1939, Rep. Inst. Sci. Res. Manch. 3(1): 332.

Type: CHINA. “Manshuria, prov. Chi-lin: in sylvis montium prope stationem Wei-hu-ling, 02 IX 1936, Kitagawa” (holotype TI!).

= *Aegopodium alpestre* Ledeb. f. *tenuisectum* Kitag., 1939, Rep. Inst. Sci. Res. Manch. 3(1): 332.

Type: CHINA. “Manshuria, prov. An-tung: In sylvis montium Niang-niang-shan prope Kuan-tien, 10 VI 1938, Kitagawa” (holotype TI!).

= *Aegopodium alpestre* Ledeb. var. *daucifolium* Gorovoj, 1966, Umbell. Prim. Priam.: 90, fig. 51.

Type: RUSSIA. “Prov. Amur, distr. Skovorodino, Lapri, 03 VIII 1964, Gorovoj et Voroschilov” (holotype MHA?).

= *Aegopodium alpestre* Ledeb. var. *latifolium* Popov, 1955, in Popov et Busik, Konsp. Fl. Pober. Oзера Baical: 213.

Type: RUSSIA. “Buryatia, lacus Baikal, sinus Czivyrkujskij, Zmeinaja. N53°43’, E109°6’51”, 30 VI 1955. Popov” (holotype NSK! (barcode NSK0000238)).

– *Aegopodium henryi* auct. non Diels: Gorovoj, 1966, Umbell. Prim. Priam.: 91, fig. 52, 53.

Distribution in China: NW: Gansu; Tibet: Xizang A. R.; N: Neimenggu A. R., Shanxi; Centr.: Hubei; NE: Heilongjiang, Jilin, Liaoning.

Distribution outside China: Russia, Japan, Korea, Mongolia, Kazakhstan.

Aegopodium henryi Diels, 1900, Bot. Jahrb. Syst. 29(3–4): 497.

Type: CHINA. “Central China, Pat’ung, Henry 4946” (holotype B-destr.?; photo LE).

= *Aegopodium handelii* H. Wolff ex Hand.-Mazz., 1933, Symb. Sin. 7(3): 717.

Type: CHINA. “Prov. Hunan: prope urbem Wukang, in silva frondosa elata umbrosa montis Yunschan, 850–1150 m, 07 VIII 1917, Handel-Mazzetti 11146” (lectotype WU! (barcode WU0025977), designated here; isolectotype W! (barcode W-1940-0014476)).

Distribution in China: NW: Gansu; N: Shaanxi, Hebei; Centr.: Henan, Anhui, Hubei, Hunan, Jiangxi, Zhejiang; SW: Sichuan, Guizhou; S: Guangxi Zhuang A. R.

Distribution outside China: Myanmar.

Aegopodium kashmiricum (R. R. Stewart ex Dunn) Pimenov, 1992, Byull. Moskovsk. Obšč. Isp. Prir. Otd. Biol. 97(4): 114.

≡ *Pimpinella kashmirica* R. R. Stewart ex Dunn, 1924, Bull. Misc. Inform. Kew: 384.

Type: INDIA. “NW India, Sonamarg, at 3–4000 m, VII 1921, Stewart 6267” (lectotype K! (barcode K000685615), designated here).

– *Aegopodium alpestre* auct. non Ledeb.: O. et B. Fedtsch. 1911, Beih. Bot. Centralbl. 28(2): 30, p. p.

– *Aegopodium tadshikorum* auct. non Schischk.: V. M. Vinogr., 1988, Novosti Sist. Vyssh. Rast. 25: 121, p. p.

Distribution in China: NW: Xinjiang Weiwuer A. R.

Distribution outside China: India, Pakistan, Kazakhstan, Kirghizia, Uzbekistan.

Aegopodium tadshikorum Schischk., 1950, in Schischkin, Fl. URSS 16: 600, 456.

Type: TAJIKISTAN. “Asia Media, Baldzhan, in faucibus fl. Jach-su, 04 VII 1897, Lipsky” (holotype LE!).

– *Aegopodium podagraria* auct. non L.: O. et B. Fedtsch., 1909, Conspl. Fl. Turkest. 3: 81.

– *Aegopodium latifolium* auct. non Turcz.: Liou Shoulu, 1985, in Fl. Reipubl. Popularis Sin. 55, 2: 140, tab. 56, fig. 4.

Distribution in China: NW: Xinjiang Weiwuer A. R.

Distribution outside China: Kazakhstan, Kirghizia, Tajikistan, Uzbekistan.

Angelica acutiloba (Siebold et Zucc.) Kitag., 1937, Bot. Mag. (Tokyo) 51: 658.

≡ *Apium ternatum* Siebold, 1830, Verh. Batav. Gen 12: 46, nom. illeg., non Willd. (1820).

≡ *Ligusticum acutilobum* Siebold et Zucc., 1843, Abh. Akad. Muench. 4(3): 203.

Type: JAPAN. “Japan, s.n.”

= *Sium triternatum* Miq., 1867, Ann. Mus. Bot. Lugd.-Bat. 3: 57.

Type: JAPAN. “Sponte crescere et cultum perhibet ... sine loci adnotatione, Siebold” (holotype L?).

Distribution in China: NE: Jilin, Liaoning.

Distribution outside China: Japan, Korea.

Angelica angelicifolia (Franch.) Kljuykov, 1999, Bot. Zhurn. (St. Perersburg) 84(3): 482, fig. 1A, B.

≡ *Ligusticum angelicifolium* Franch., 1894, Bull. Annuel Soc. Philom. Paris (sér. 8) 6: 133.

≡ *Ligusticopsis angelicifolia* (Franch.) Leute, 1969, Ann. Naturhist. Mus. Wien 73: 70, tab. 3, fig. 2.

≡ *Conioselinum angelicifolium* (Franch.) Lavo- rova, 2002, Abstr. Intern. Sci. Conf. Syst. Higher Pl. (Moscow): 67.

Type: CHINA. “Yun-nan, les bois de San tcha ho au-dessus de Mo-so-yn, à 3000 m d'altit., 05 IX 1887, Delavay 2970” (lectotype P! (barcode P03224578), designated by G.-H. Leute, 1969: 70; isolectotypes NY (barcode NY00406024); P (barcodes P03224574, P03237451, P03237452, P03237453, P03237464, P03237466, P03237469)); “ibid., Delavay 3942, 4093” (syntypes A (barcode A00112218); GH (barcode GH00112219); K (barcode K000685240); P (barcodes P03237455, P03237456, P03237458, P03237467)); “in umbrosis prope Fang-yang-tchang, 14 X 1887, Delavay 3707” (syntypes P (barcodes P03224579, P03237454, P03237457)).

Distribution in China: Tibet: Xizang A. R.; N: Shaanxi; SW: Sichuan, Yunnan. Endemic.

Angelica anomala Avé-Lall., 1842, in Fisch. et C.A. Mey. (eds.), Index Sem. Horti Petrop. 9: 57.

Type: RUSSIA. “E Transbaicalia, ad fl. Argun, in pratis, 1833, Turczaninow” (lectotype LE!, designated by Pimenov, 1987: 255).

= *Peucedanum angelicifolium* Turcz. [1838, Bull. Soc. Imp. Naturalistes Moscou 11: 93, nom. inval. (Art. 39.1)].

= *Angelica sylvestris* L. var. *angustifolia* Turcz., 1844, Bull. Soc. Imp. Naturalistes Moscou 17: 738.

Type: RUSSIA. “In pratis ad flivium Argun, Turczaninow” (holotype LE!).

= *Angelophyllum dahuricum* Rupr., 1859, Beitr. Pflanzenk. Russ. Reiches 11 (Rev. Umbell. Kamtsch.): 9, nom. illeg. (Art. 52.1).

= *Angelica jaluana* Nakai, 1914, Bot. Mag. (Tokyo) 28: 314.

Type: KOREA. “Korea sept.: flum. Jalu, 23.07.1897, Komarov 1180” (syntype LE?); “In herbis secus flumen Shiningawa, 25–26VII 1914, Nakai 3368” (lectotype TI!, designated by M. G. Pimenov in Pimenov, Ostroumova, 2012: 258).

Distribution in China: N: Neimenggu A. R.; NE: Heilongjiang, Jilin, Liaoning; Centr.: Henan.

Distribution outside China: Russia, Korea.

Angelica apaensis Shan Renhwa et Yuan Changchi, 1966, Acta Pharmac. Sin. 13(5): 335, fig. 21–24.

≡ *Heracleum apaense* (Shan Renhwa et Yuan Changchi) Shan Renhwa et Wang Tieh, 1992, Fl. Reipubl. Popularis Sin. 55(3): 184, tab. 79, fig. 1–8.

Type: CHINA. “Szechuan: Apa, Yu 64066”.

= *Heracleum xiaojinense* Pu Fating et He Xingjin, 1993, Acta Phytotax. Sin. 31(4): 372, fig. 3.

Type: CHINA. “Sichuan: Xiaojin, alt. about

3800 m, under forests or in shrub-meadows, 16 VIII 1975, Wang Jingauo 9765" (holotype CDBI).

Distribution in China: Tibet: Xizang A. R.; SW: Sichuan, Yunnan. Endemic.

Angelica biserrata (Shan Renhwa et Yuan Changchi) Yuan Changchi et Shan Renhwa, 1985, Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen 1983: 9, tab. 3, fig. 1–6.

≡ *Angelica pubescens* Maxim. f. *biserrata* Shan Renhwa et Yuan Changchi, 1966, Acta Pharmac. Sin. 13(5): 366, fig. 319.

Type: CHINA. "Sichuan, Wuxi".

Distribution in China: Centr.: Anhui, Hubei, Jiangxi, Zhejiang; SW: Sichuan; S: Guangxi Zhuang A. R. Endemic.

Angelica brevicaulis (Rupr.) B. Fedtsch., 1909, Consp. Fl. Turkest. 3: 99.

≡ *Angelocarpa brevicaulis* Rupr., 1869, Mém. Acad. Imp. Sci. Saint-Petersbourg (sér. 7) 14(4) (Sert. Tiansch.): 48.

≡ *Archangelica brevicaulis* (Rupr.) Rchb.f., 1876, J. Bot. 14: 46.

≡ *Coelopleurum brevicaulis* (Rupr.) Drude, 1898, in Engler et Prantl, Nat. Pflanzenfam. 3, 8: 212.

Type: KIRGHIZIA. "Tian-Schan, Suukty (Tschatyr-kol), 02 VIII 1867, Osten-Saken" (holotype LE!).

= *Archangelica decurrens* Ledeb. var. *alpina* Regel et Herder, 1866, Bull. Soc. Imp. Naturalistes Moscou 39, 3: 77.

Type: KIRGHIZIA. "Kok-djar-Thale im Thian-Schan-Gebirge, in einer Hohe von 8000".

= *Angelica songarica* Regel et Schmalh., 1878, Trudy Imp. S.-Peterburgsk. Bot. Sada 5, 2: 590.

= *Archangelica songarica* (Regel et Schmalh.) Lipsky ex Paulsen, 1903, Vidensk. Meddel. Naturhist. Foren. Kjobenhavn 1903: 143.

Type: KIRGHIZIA. "In jugis montium Alexander in trajectu Karabura 8000' alt., Regel" (holotype LE!).

Distribution in China: NW: Xinjiang Weiwuer A. R.

Distribution outside China: Kazakhstan, Kirghizia, Tajikistan, Uzbekistan.

Angelica cartilaginomarginata (Makino ex Yabe) Nakai, 1909, J. Coll. Sci. Imp. Univ. Tokyo 26(1): 269.

≡ *Peucedanum cartilaginomarginatum* Makino ex Yabe, 1902, J. Coll. Sci. Imp. Univ. Tokyo 16(2) (Rev. Umbell. Jap.): 100, tab. 3, fig. 60.

≡ *Peucedanum makinoi* Nakai, 1913, in Matsum., Icon. Pl. Koisikav. 1: 131, tab. 66, nom. illeg. (Art. 52.1).

≡ *Pimpinella cartilaginomarginata* (Makino ex Yabe) H. Wolff, 1927, in Engler (ed.), Pflanzenreich 90(IV, 228): 287.

≡ *Angelica cartilaginomarginata* (Makino ex Yabe) Nakai var. *makinoi* (Nakai) Kitag., 1936, J. Jap. Bot. 12(4–5): 243.

Type: JAPAN. "Kiushiu – prov. Hizen: in monte Nishigo-take; prov. Higo: in vulcano Aso; prov. Bungo: in campis Yubu; Shikoku – prov. Tosa, Makino" (syntypes TI!); "Kiusiu: prov. Bungo, IX 1880, Yatabe, Matsumura" (syntype TI!); "Monte Aso prov. Higo, 28 VIII 1901, Yabe" (syntype).

= *Angelica boissieuana* Nakai, 1913, Bot. Mag. (Tokyo) 27: 32.

Type: JAPAN. "Nippon: Itagura prov. Bitchu, 12 IX 1902, Nakai 934" (holotype TI!).

= *Angelica confusa* Nakai, 1913, in Matsum., Icon. Pl. Koisikav. 1: 133, tab. 67.

Type: JAPAN. "28 VIII 1888, Mori" (syntype TI!); "Kiusiu: prov. Hiuga, 05 VIII 1882, Yatabe, Matsumura" (syntype).

Distribution in China: N: Hebei, Shandong; NE: Jilin, Liaoning; Centr.: Jiangsu, Anhui.

Distribution outside China: Korea, Japan (Honshu; Shikoku; Kyushu).

Angelica cartilaginomarginata (Makino ex Yabe) Nakai var. *foliosa* Yuan Changchi et Shan Renhwa, 1985, Bull. Nanjing Bot. Gard. 1983: 5, tab. 1, fig. 5–9.

Type: CHINA. "Jangsu: Zhulinsi, Zhenjiang Shi, 23 IX 1934, Migo" (holotype NAS).

Distribution in China: Centr.: Anhui.

Angelica cartilaginomarginata (Makino ex Yabe) Nakai var. *matsumurae* (H. Boissieu) Kitag., 1936, J. Jap. Bot. 12(4–5): 244.

≡ *Sium matsumurae* H. Boissieu, 1903, Bull. Herb. Boissier (2 sér.) 3(11): 954.

Type: KOREA. "In collibus Coreae mediae, 04 IX 1901, Faurie 261, 262" (syntypes E (barcode E00417585); G! (barcodes G00359349, G00359350)); "In collibus Chimosanipo, 12 IX 1901, Faurie 262" (syntype G!); "Corée, V 1901, Faurie s. n." (syntype P!).

= *Angelica crucifolia* Kom., 1907, Trudy Imp. S.-Peterburgsk. Bot. Sada 25 (Fl. Mansh. 3): 170.

= *Peucedanum crucifolium* (Kom.) H. Boissieu, 1908, Bull. Herb. Boissier (2 sér.) 8: 643.

Type: KOREA. "Korea, ripae fl. Chashingan, af-

fluxiolis fl. Jalu, 27 VIII 1897, Komarov” (holotype LE).

= *Angelica callososerrata* Nakai, 1914, Tyosen -syokubutu (Pl. Koreanae) 1: 406.

Distribution in China: N: Shandong; NE: Heilongjiang, Jilin, Liaoning.

Distribution outside China: Japan, Korea.

Angelica cincta H. Boissieu, 1906, Bull. Soc. Bot. France 53: 436.

Type: CHINA. “C. China, prov. Hupeh, VII 1902, Wilson 2403” (lectotype P! (barcode P03239495), designated here; isolectotypes E! (barcodes E00002393, E00002394); K! (barcode I001097153)).

= *Angelica amurensis* Schischk., 1951, in Schischkin, Fl. URSS 17: 352, 19, tab. 8, fig. 7.

Type: RUSSIA. “Prov. Chabarovsk, in quercetis prope pag. Venjukova, 02 IX 1928, Vassiljev 334” (holotype LE!).

– *Angelica anomala* auct. non Avé-Lall.: Maxim., 1859, Mém. Acad. Imp. Sci. Saint-Petersbourg Divers Savants 9 (Prim. Fl. Amur.): 127.

Distribution in China: N: Neimenggu A. R.; NE: Heilongjiang, Jilin, Liaoning; Centr.: Hubei.

Distribution outside China: Russia (Russian Far East: Amur d., Khabarovsk Terr., Maritime Terr., Sakhalin d.), Korea. Endemic to Eastern Asia.

Angelica cyclocarpa (C. Norman) M. Hiroe, 1979, Umbelliferae World: 1430.

= *Archangelica cyclocarpa* C. Norman, 1929, J. Bot. 67: 246.

Type: NEPAL. “Barpak, alt. 10000–12000 ft., 1928, Lall Dhwoj 28” (lectotype E! (barcode E00002376), designated here; isolectotype B!).

Distribution in China: Tibet: Xizang A. R.

Distribution outside China: Bhutan, Nepal, India.

Angelica czernaevia (Fisch. et C. A. Mey.) Kitag., 1936, J. Jap. Bot. 12(4–5): 241.

= *Conioselinum czernaevia* Fisch. et C. A. Mey., 1835, Index Sem. Horti Petrop. 2: 33.

= *Czernaevia laevigata* Turcz. [ex Besser, Flora 17(1, Beibl.): 14, 1834, nom. inval. (Art. 39.1), “*Czerniajevia*”] 1844, Bull. Soc. Imp. Naturalistes Moscou 17: 740.

= *Angelica laevigata* (Turcz.) Franch., 1883, Nuov. Arch. Mus. Hist. Nat. (sér. 2) 6 (Pl. David. 1): 143, non M. Bieb. (1809), nom. illeg. (Art. 53.1)

Type: RUSSIA. “In pratis Dahuriae frequens [Ad fl. Argun], 1833, Turczaninow” (lectotype LE!,

designated by Vinogradova, 2005: 962; isolectotypes G! (barcodes G00359351, G00359352); LE!, P!); “In pratis sylvaticis Dahuriae, 1831, Turczaninow” (syntype LE!); “ad margines revolum in Dahuriae Nerczinensi, 1831, Turczaninow” (syntypes LE!); “Dahuria, 1831, Turczaninow” (syntype LE!).

= *Angelica gracilis* Franch., 1884, Mém. Soc. Sci. Nat. Math. Cherbourg (3 sér.) 24: 222.

Type: CHINA. “China, prov. Shantung, Tshefou, Fauvel” (holotype P! (barcode P03221052)).

= *Cnidium mongolicum* H. Wolff, 1930, Repert. Spec. Nov. Regni Veg. 27: 324.

= *Ligusticopsis mongolica* (H. Wolff) Leute, 1969, Ann. Naturhist. Mus. Wien 73: 72, tab. 4, fig. 1.

= *Conioselinum mongolicum* (H. Wolff) Lavrova, 2002, Abstr. Intern. Sci. Conf. Syst. Higher Pl. (Moscow): 67.

Type: MONGOLIA. “Mongolia centralis, Vanche [Nan chan, 2175 m], 06 IX 1917, Licent 3493” (syntype P! (barcode P03226931)); “Mongolia centralis, Si-wan-tze, 31 VIII 1917, Licent 3410” (lectotype P! (barcode P03224930), designated here).

= *Czernaevia laevigata* Turcz. f. *latipinna* Y. C. Chu, 1977, Fl. Pl. Herb. Chin. Bor.-Or. 6: 266, 294, tab. 109, fig. 7.

Type: CHINA. “Liaoning, Benxi, 16 IX 1961, Y. C. Deng 623” (holotype IFP).

= *Czernaevia laevigata* Turcz. f. *exalatocarpa* Y. C. Chu, 1977, Fl. Pl. Herb. Chin. Bor.-Or. 6: 266, 294, tab. 109, fig. 8–10.

Type: CHINA. “Hebei, Lianhuachi, Wuling Shan, Xinglong Co, 04 IX 1952, coll. unclear” (holotype IFD).

Distribution in China: N: Neimenggu, Hebei, Shandong; NE: Heilongjiang, Jilin, Liaoning.

Distribution outside China: Russia, Korea, Mongolia.

Angelica czernaevia (Fisch. et C. A. Mey.) Kitag. var. *flaccida* (Kom.) Pimenov, 1987, in Charkevicz, Pl. Vasc. Or. Extr. Ross. 2: 258.

= *Angelica flaccida* Kom., 1901, Trudy Imp. S.-Peterburgsk. Bot. Sada 18: 431.

= *Angelica czernaevia* (Fisch. et C. A. Mey.) Kitag. f. *flaccida* (Kom.) Pimenov, 1968, Bot. Zhurn. (Leningrad) 53, 7: 945.

Type: CHINA. “Manshuria, prov. Kirin, ad ripas fl. Labacho fl. Sungari influentis, 25 VIII 1896, Komarov” (syntype LE!). KOREA. “Korea septentr., distr. Sam-su, ad trajectum Peksan-ien, 05 VIII 1897, Komarov” (lectotype LE!, designated by Vinogradova, 2004: 25).

Angelica dabashanensis Liao Chenyang et He Xingjin, 2012, Ann. Bot. Fenn. 49: 127, fig. 1.

Type: CHINA. “Shaanxi Province, Ankang Shi, Qian-japing, in the grasses of marshes, 2100 m, N32°01'30", E109°18'45", 21 IX 2008, Liao, Li 666810” (holotype SZ).

Distribution in China: N: Shaanxi. Endemic.

Angelica dahurica (Fisch. ex DC.) Benth. et Hook. f. [1867, Gen. Pl. 1(3): 916, nom. inval.] ex Franch. et Sav., 1873, Enum. pl. Jap. 1: 187.

≡ *Callisace dahurica* Fisch. [ex Hoffm., 1816, Pl. Umbell. Gen. ed. 2: 170, fig. 18, nom. inval. (Art. 39.1)] ex DC., 1830, Prodr. 4: 184.

≡ *Thysselinum dahuricum* (Fisch. ex DC.) Spreng., 1824, Syst. Veg. (ed. 16) 1: 895.

≡ *Imperatoria dahurica* (Fisch. ex DC.) D. Dietr., 1840, Syn. Pl. 2: 969.

Type: RUSSIA. “Culta, ex Dahuria, Nertschinsky Zavod, Fischer”.

= *Angelica pubescens* Maxim. var. *glabra* Yabe, 1902, J. Coll. Sci. Imp. Univ. Tokyo 16, 2 (Rev. Umbell. Jap.): 81.

= *Angelica glabra* (Yabe) Makino, 1907, in Inuma, Somoku-Dzusetsu (ed. 3) 1: 387, fig. 36.

Type: JAPAN. “In Tokyo probabiliter spontanea”.

= *Angelica tschiliensis* H. Wolff, 1926, Acta Horti Gothob. 2: 319.

Type: CHINA. “Chili: Hsiao-wu-tai-shan, Pass zwischen Tao-lai-shui und Kuo-che-wai, 1600–2000 m, 15 IX 1921, H. Smith 373” (holotype UPS!).

= *Angelica macrocarpa* H. Wolff, 1930, Repert. Spec. Nov. Regni Veg. 28: 111.

Type: CHINA. “Shansi: Chieh-hsiuh, Sung-lin miao, Ch’o-mei-shan, in altifruticetis herbosis, 1200 m, 22 IX 1924, H. Smith 7777” (holotype UPS!).

= *Angelica formosana* auct. non H. Boissieu: M. Hiroe, 1958, Umbell. Asia 1: 170.

= *Angelica porphyrocaulis* auct. non Nakai et Kitag.: M. Hiroe, 1958, Umbell. Asia 1: 170, nom. inval., in syn.

– *Angelica edulis* auct. non Miyabe: H. Boissieu, 1906, Bull. Soc. Bot. France 53: 435.

Distribution in China: Tibet: Qinghai; N: Neimenggu A. R., Shaanxi, Shanxi, Hebei; NE: Heilongjiang, Jilin, Liaoning; Centr.: Henan, Jiangsu, Hunan, Zhejiang, Fujiang; S: Guangxi Zhuang A.R., Guangdong.

Distribution outside China: Russia, Japan, Korea.

Angelica dahurica (Fisch. ex DC.) Benth. et Hook. f. ex Franch. et Sav. var. *formosana* (H. Bois-

sieu) Yen, 1963, J. Taiwan Pharm. Ass. 17(2): 68, fig. 1.

≡ *Angelica formosana* H. Boissieu, 1909, Bull. Soc. Bot. France 56: 354.

Type: CHINA. “[Taiwan] Pashiran, 06.1903, Faurie 117” (syntypes G!, P!); “[Taiwan] Muzuyama, 23 V 1903, Faurie 117” (lectotype P! (barcodes P03221015, P03221016), designated here; isolectotype G! (barcode G00359353)).

Distribution in China: Centr.: Hubei?; S: Taiwan. Endemic.

Angelica dailingensis Pan Zehui et Zhuang Tide, 1995, Acta Phytotax. Sin. 33(1): 88, fig. 2.

Type: CHINA. “Heilongjiang: Yichun, Dailing, 20 VIII 1987, Pan Zehui 8701” (holotype NAS).

Distribution in China: NE: Heilongjiang. Endemic.

Angelica decurrens (Ledeb.) B. Fedtsch., 1909, Consp. Fl. Turkest. 3: 99.

≡ *Archangelica decurrens* Ledeb., 1829, Fl. Altaic. 1: 316.

≡ *Archangelica officinalis* (Moench) Hoffm. var. *decurrens* (Ledeb.) Avé-Lall., 1842, in Fischer et al. (eds.), Index Sem. Horti Petrop. 9: 61.

≡ *Angelica archangelica* L. var. *decurrens* (Ledeb.) Weinert, 1973, Feddes Repert. 84(4): 309.

≡ *Angelica archangelica* L. subsp. *decurrens* (Ledeb.) V. B. Kuvaev, 1981, Bot. Zhurn. (Leningrad) 66(7): 952.

Type: RUSSIA. “[Altai] Hab. ubiquè ad rivulorum margines. Ad fluvium Kutschum, VI 1826, Meyer 214” (lectotype LE!, designated by Vinogradova, 2005: 959).

= *Archangelica sajanensis* Stepanov, 2014, Vestn. Krasnoyarsk. Gos. Univ. 7: 62.

Type: RUSSIA. “Krasnoyarsk Territory, Yermakovskiy district, the “Ergaki” natural park, Nizhnyaya Buyba river valley, waterside subalpine meadow. 15 VIII 2013, Stepanov” (holotype KRSU; isotype TK).

Distribution in China: NW: Xinjiang Weiwuer A. R.; N: Neimenggu A. R.

Distribution outside China: Russia, Mongolia, Kazakhstan, Kirghizia, Europe.

Angelica decursiva (Miq.) Franch. et Sav., 1873, Enum. Pl. Jap. 1: 187.

≡ *Porphyroscias decursiva* Miq., 1867, Ann. Mus. Bot. Lugduno-batavi 3: 62; idem, 1867, Prolus. Fl. Jap.: 250.

≡ *Peucedanum decursivum* (Miq.) Maxim., 1886, Bull. Acad. Imp. Sci. Saint-Petersbourg 31: 52.

≡ *Peucedanum porphyroscias* Makino, 1904, Bot. Mag. (Tokyo) 18: 65, nom. illeg. (Art. 52.1).

Type: JAPAN. “Japan, sine loco, Siebold” (holotype L!).

≡ *Selinum melanotilingia* H. Boissieu, 1903, Bull. Herb. Boissier (2 sér.) 3(11): 956.

≡ *Ostericum melanotilingia* (H. Boissieu) Kitag., 1941, J. Jap. Bot. 17: 561.

= *Halosciasstrum melanotilingia* (H. Boissieu) Pimenov et V. N. Tikhom., 1968, Biol. Nauki, Moscow 5: 102.

≡ *Ligusticum melanotilingia* (H. Boissieu) Kitag., 1979, J. Jap. Bot. 54(11): 322.

≡ *Cymopterus melanotilingia* (H. Boissieu) C. Y. Yoon, 2001, Korean J. Pl. Taxon., 31: 253, nom. inval. (Art. 31.5).

Type: KOREA. “Sommet du Mont Fusan, à 500 m, 10 IX 1901, Faurie 258, 260” (lectotype P!, designated here; isolectotypes E! (barcode E00417586); G (barcode G00366859, G00366860)).

= *Peucedanum astantiifolium* H. Wolff, 1924, Repert. Spec. Nov. Regni Veg. 19: 311.

Type: KOREA. “Quelpaert, 1500 m, X 1906, Faurie 1023” (syntypes E! (barcode E004175879), P!); “Quelpaert, secus rivulos Hallaisan, 1200 m, X 1907, Taquet 116” (lectotype P!, designated here; isolectotype G!).

= *Peucedanum astantiifolium* H. Wolff, 1924, Repert. Spec. Nov. Regni Veg. 19: 311.

Type: KOREA. “Quelpaert, 1500 m, X 1906, Faurie 1023” (syntypes E!, P!); “Quelpaert, secus rivulos Hallaisan, 1200 m, X 1907, Taquet 116” (lectotype P!, designated here; isolectotype G!).

= *Peucedanum grandifolioides* H. Wolff, 1934, Repert. Spec. Nov. Regni Veg. 33: 244.

Type: CHINA. “Insula Formosa, in littore Kelung, 15 VI 1903, Faurie 116” (lectotype P!, designated here; isolectotype G! (barcode G00359354)).

= *Selinum melanotilingia* auct. non H. Boissieu: Kitag., 1936, J. Jap. Bot. 12(4–5): 309, in syn.

= *Peucedanum melanotilingia* auct. non H. Boissieu: Kitag., 1936, J. Jap. Bot. 12(4–5): 309, in syn.

Distribution in China: N: Hebei, Shandong; NE: Heilongjiang, Jilin, Liaoning; Centr.: Henan, Jiangsu, Anhui, Hubei, Hunan, Jiangxi, Zhejiang, Fujiang; SW: Sichuan, Guizhou; S: Taiwan, Guangxi Zhuang A. R., Guangdong.

Distribution outside China: Russia, Japan, Korea, Vietnam.

Angelica decursiva (Miq.) Franch. et Sav. f. *albiflora* (Maxim.) Nakai, 1909, Tyosen-syokubutu

(Fl. koreana) 1: 268.

≡ *Peucedanum decursivum* (Miq.) Maxim. var. *albiflorum* Maxim., 1886, Bull. Acad. Imp. Sci. Saint-Petersbourg 31: 473.

≡ *Peucedanum decursivum* (Miq.) Maxim. f. *albiflorum* (Maxim.) Yabe, 1902, J. Coll. Sci. Imp. Univ. Tokyo 16(2) (Rev. Umbell. Jap.): 97.

≡ *Peucedanum porphyroscias* Makino var. *albiflorum* (Maxim.) Makino, 1904, Bot. Mag. (Tokyo) 18: 66.

≡ *Peucedanum porphyroscias* Makino f. *albiflorum* (Maxim.) Makino ex Matsum., 1912, Ind. pl. jap. 2(2): 440.

≡ *Angelica decursiva* (Miq.) Franch. et Sav. var. *albiflora* (Maxim.) Nakai, 1911, Tyosen-syokubutu (Fl. Koreana) 1: 407.

≡ *Porphyroscias decursiva* Miq. f. *albiflora* (Maxim.) Nakai, 1952, Bull. Natl. Sci. Mus. 31 (Syn. Sk. Kor. Fl.): 88.

Type: JAPAN. “In Kiusiu interioris alpinus”.

= *Peucedanum decursivum* (Miq.) Maxim. var. *discolor* Makino, 1926, J. Jap. Bot. 3(7): 28.

Angelica dissoluta Diels, 1900, Bot. Jahrb. Syst. 29 (3–4) (Fl. Centr. China): 499.

≡ *Peucedanum dissolutum* (Diels) H. Wolff, 1925, Repert. Spec. Nov. Regni Veg. 21: 247.

Type: CHINA. “Suchuan, Nan ch'uan: Ch'ang ling kang, Erdhugel, 28 VIII 1891, von Rosthorn 652” (lectotype O!, designated here); “Setchuen, Nan ch'uan: Kên ao p'ing, Abhange, 29 VIII 1891, von Rosthorn 659” (syntype O!).

Distribution in China: SW: Sichuan. Endemic.

Angelica duclouxii Fedde ex H. Wolff, 1930, Repert. Spec. Nov. Regni Veg. 28: 111.

Type: CHINA. “Yun nan: Lou-pou, près Tong-tchouan, VIII 1909, Ducloux 6499” (holotype P! (barcode P00753007)).

= *Angelica balangshanensis* Shan Renhwa et Pu Fating [1993, Vasc. Pl. Hengduan Mount. 1: 1346, nom. inval.], 1995, Acta Phytotax. Sin. 33(5): 476, fig. 1.

Type: CHINA. “Sichuan: Xiaojin, Balang Mt., alt. 3500 m, alpine bushwoods, 07 IX 1984, Pu Fating et al. 287” (holotype CDBI!; isotype NAS!).

Distribution in China: SW: Sichuan, Yunnan. Endemic.

Angelica genuflexa Nutt. ex Torr. et A. Gray, 1840, Fl. N. Amer. 1 (4): 620.

Type: N AMERICA, USA. “Wappatoo Island, Oregon, Nuttall” (lectotype BM! (barcodes

BM001042853, BM001042854), designated here; isolectotype GH); “Near Fort Vancouver, Washington, in mountain rivulets east of Walla Walla” (syntypes GH, NY).

= *Angelica refracta* F. Schmidt, 1868, Mém. Acad. Imp. Sci. Saint-Petersbourg (sér. 7) 12(2): 138.

= *Angelica genuflexa* Nutt. ex Torr. et A. Gray subsp. *refracta* (F. Schmidt) M. Hiroe, 1950, Acta Phytotax. Geobot. 12: 175.

Type: RUSSIA. “Insula Sachalin, Traizioka, VIII 1860, Schmidt” (lectotype LE!, designated by V. M. Vinogradova, 2006: 1281); “Dui, 28 VIII 1860, Glehn” (syntype LE!); “Insula Sachalin, Niarmi, 08 IX 1860, Glehn” (syntype LE!); “Insula Sachalin, Ziznai, 29 VIII 1860, Glehn” (syntype LE!); “Insula Sachalin, Kununai, VIII 1860, Schmidt” (syntype LE!); “Insula Sachalin, Manne, VIII–IX 1860, Schmidt” (syntype LE!).

= *Angelica yabeana* Makino, 1907, in Inuma, Somoku-Dzusesetsu (ed. 3) 1: 347, tab. 25.

= *Angelica refracta* F. Schmidt var. *yabeana* (Makino) Nakai, 1917, Bot. Mag. (Tokyo) 31: 32.

Type: JAPAN. “Nikko, prov. Shimotsuke [Honshu], 18 VIII 1885, Matsumura” (holotype TI!).

= *Angelica refracta* F. Schmidt var. *multinervis* Koidz., 1917, Bot. Mag. (Tokyo) 31: 32.

= *Angelica genuflexa* Nutt. ex Torr. et A. Gray var. *multinervis* (Koidz.) M. Hiroe, 1950, Acta Phytotax. Geobot. 12: 175.

= *Angelica genuflexa* Nutt. ex Torr. et A. Gray var. *multinervis* (Koidz.) H. Hara, 1954, Enum. Sperm. Jap. 3: 295, comb. superfl.

Type: JAPAN. “Yezo [Hokkaido], circa oppidum Hakodate”.

– *Angelica sylvestris* auct. non L.: Rupr., 1859, Beitr. Pflanzenk. Russ. Reiches 11 (Revis. Umbell. Kamtsch.): 10.

Distribution in China: NE: Liaoning.

Distribution outside China: Russia, Japan, Korea, N. America.

Angelica gigas Nakai, 1917, Bot. Mag. (Tokyo) 31: 100.

Type: KOREA. “In rupibus montis Kum-gang-san, 20 VIII 1916, Nakai 4033” (syntype TI); “In rupibus secus torrentes Changdadong, Nakai” (syntype TI); “In herbis montis Miroppon, 1500 m, Nakai 6070” (syntype TI!); “In monte Kum-gang-san, Uchiyama” (syntype TI!).

– *Angelica megaphylla* auct. non Diels: Kom., 1907, Trudy Imp. S.-Peterburgsk. Bot. Sada 25 (Fl. Mansh. 3): 168, nom. illeg. (Art. 53.1).

Distribution in China: NE: Heilongjiang, Jilin, Liaoning.

Distribution outside China: Japan, Korea.

Angelica glauca Edgew., 1846, Trans. Linn. Soc. London 20(1): 53.

Type: INDIA. “Himalaya, alt. 6–8000 ped. Baghal, 1844, Edgeworth 152” (holotype K! (barcode K001097130)).

= *Angelica nuristanica* Kitam., 1958, Acta Phytotax. Geobot. 17: 131.

Type: AFGHANISTAN. “Nuristan: between Pushuki and Kushitaki, 2450 m, 04 VIII 1955, Kitamura” (holotype KYO!).

Distribution in China: Tibet: Xizang A. R.

Distribution outside China: India, Pakistan, Afghanistan.

Angelica henryi H. Wolff ex Fedde, 1930, Reper. Spec. Nov. Regni Veg. 28: 109.

Type: CHINA. “Hupeh: Ichang, distr. Patung, Henry 4961” (lectotype LE!, designated here; isolectotype K?).

Distribution in China: Centr.: Hubei. Endemic.

Angelica hirsutiflora Liu Tangshui et al., 1961, Quart. J. Taiwan Mus. 14(1–2): 19, tab. 2, fig. 5.

≡ *Angelica japonica* A. Gray var. *hirsutiflora* (Liu Tangshui et al.) T. Yamaz., 1990, J. Jap. Bot. 65(7): 222.

Type: CHINA. “Shihmen, Taipei Hsien, T. I. Chuang 3979” (holotype TAI; isotype UC!).

Distribution in China: S: Taiwan.

Distribution outside China: Japan.

Angelica kangdingensis Shan Renhwa et Pu Fating [1993, Vasc. Pl. Hengduan Mount. 1: 1345, nom. inval.], 1995, Acta Phytotax. Sin. 33(5): 478, fig. 2.

Type: CHINA. “Sichuan: Kangding, Zhedo Mt., alt. 3000 m., in bushwoods, 22 IX 1984, Y. C. Li 450” (holotype CDBI!).

Distribution in China: SW: Sichuan. Endemic.

Angelica laxifoliata Diels, 1900, Bot. Jahrb. Syst. 29 (3–4) (Fl. Centr. China): 499.

Type: CHINA. “Setchuen: Tsaku lao [K'ou chan], 28 VIII 1891, von Rosthorn 2571” (lectotype O!, designated here; isolectotype O!).

= *Angelica fargesii* H. Boissieu, 1903, Bull. Herb. Boissier (2 sér.) 3(10): 850.

Type: CHINA. “Su-tchuen oriental, district de Tchen-kéou-tin, 1895, Farges” (lectotype P! (barcode P03221022), designated here; isolectotypes E, P!

(barcodes P03221019, P03221020, P03221022), PE!).

= *Angelica dielsii* H. Boissieu, 1903, Bull. Herb. Boissier (2 sér.) 3(10): 850.

Type: CHINA. “Su-tchuen oriental, district de Tchen-kéou-tin: Tou Hô, Farges 38” (lectotype P! (barcode P03239527), designated here; isolectotypes P! (barcodes P03239519, P03239520, P03239521, P03239523, P03239524, P03239525, P03239526)).

= *Angelica erythrocarpa* H. Wolff, 1926, Acta Horti Gothob. 2: 316.

Type: CHINA. “Sze-ch'uan bor.: Sung-pan, auf Hochstaudenwiesen, 3000–3300 m, in prato herboso. 16 VII 1922, H. Smith 2798” (syntypes GB!, UPS!); “Sze-ch'uan bor.: nach Südwesten auf trockenen Wiesen, 3400 m, in prato aprico. 30 VII 1922, H. Smith 3579” (syntypes GB!, UPS!).

Distribution in China: NW: Gansu; N: Shaanxi; Centr.: Henan, Hubei; SW: Sichuan. Endemic.

Angelica likiangensis H. Wolff, 1930, Repert. Spec. Nov. Regni Veg. 28: 110.

Type: CHINA. “Yunnan. Yangtze watershed. Prefectural district of Likiang, eastern slopes of Likiang Snow Range, 11000', 30 VIII 1922, Rock 6153” (holotype US?).

Distribution in China: SW: Guizhou, Yunnan. Endemic.

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Type: CHINA. “Sichuan: Omei Mons, Omei Xian, alt. 2000 m, 04 VIII 1957, G. H. Yang 51678” (holotype SZ).

Distribution in China: SW: Sichuan, Yunnan. Endemic.

Angelica longipes H. Wolff, 1934, Repert. Spec. Nov. Regni Veg. 33: 75.

Type: CHINA. “Yunnan: Chimili valley, 10000', in the open places, 21 VIII 1919, Farrer 1227” (holotype E! (barcode E00123589)).

Distribution in China: SW: Yunnan. Endemic.

Angelica maowenensis Yuan Changchi et Shan Renhwa, 1985, Bull. Nanjing Bot. Gard. Mem. Sun Yat Sen 1983: 11, tab. 5, fig. 1–5.

Type: CHINA. “Sichuan: Wulongtan, Maowen Xian, alt. 2620 m, 11 IX 1964, Yue Jinsan et al. 64135” (holotype NAS).

Distribution in China: SW: Sichuan. Endemic.

Angelica megaphylla Diels, 1900, Bot. Jahrb. Syst. 29 (3–4) (Fl. Centr. China): 500.

≡ *Peucedanum megaphyllum* (Diels) H. Boissieu, 1908, Bull. Herb. Boissier (2 sér.) 8: 643.

Type: CHINA. “Setchuen, Nan ch'uan: auf der Höhe des Gebirges bei Yang yu p'ing [On the height of mountains], 26 VII 1891, von Rosthorn 57” (holotype O!).

Distribution in China: Centr.: Hubei; SW: Sichuan. Endemic.

Angelica morii Hayata, 1921, Icon. Pl. Formosan. 10: 24, tab. 15.

Type: CHINA. “Taiwan, Yushan (Mt. Niitaka = Mt. Morrison), Chiayi Hsien, X 1906, Mori” (lectotype TAIF, designated by Li Jerhair et al., 2007: 185; isolectotype TI!).

Distribution in China: Centr.: Jiangxi, Zhejiang, Fujiang; S: Taiwan. Endemic.

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≡ *Peucedanum morrisonicola* (Hayata) M. Hiroe, 1958, Umbell. Asia 1: 180.

Type: CHINA. “[Taiwan], in Mt. Morrison, ad 13094 ped. alt., 03 XI 1905, Nagasawa 600” (syntype TAIF); “[Taiwan], Mt. Morrison, 08 XI 1906, Kawakami et Mori 2129” (syntypes TAIF, TI!).

Distribution in China: S: Taiwan. Endemic.

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