

Additional remarks on Ranunculaceae in Taiwan (7)— Two new taxa and a new distributional record of *Clematis* in Taiwan

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(Received March 12, 2008; Accepted September 29, 2009)

ABSTRACT. A revision of *Clematis* (Ranunculaceae) in Taiwan is presented. Two new taxa, *C. chinensis* var. *tatshanensis* and *C. tashiroi* var. *huangii*, are described and a new distributional record for the Taiwan flora, *C. pseudootophora*, is reported. A key to the species of *Clematis* in Taiwan, distribution maps and taxonomic descriptions of the new taxa (including *C. chinensis* var. *chinensis* and *C. tashiroi* var. *tashiroi*) are also provided.

Keywords: *Clematis*; *Clematis chinensis* var. *tatshanensis*; *C. pseudootophora*; *C. tashiroi* var. *huangii*; Key; Ranunculaceae; Taxonomy; Taiwan.

INTRODUCTION

Clematis is one of the largest genera in the Ranunculaceae. It is distinguished from other genera by the opposite leaves and usually viney habit (Chang et al., 1980; Tamura, 1995; Yang et al., 1996; Wang and Bartholomew, 2001). According to Liu and Hsieh (1976), Yang and Huang (1986, 1992, 1995), Yang et al. (1991, 1996) and Wang and Xie (2007), there are 20 taxa (including 15 species, 2 subspecies, and 3 varieties) in Taiwan.

This paper presents a revision of the genus *Clematis* in Taiwan. Two new taxa, *C. chinensis* var. *tatshanensis* and *C. tashiroi* var. *huangii*, are described and a new distributional record for the Taiwan flora, *C. pseudootophora*, is presented.

Clematis chinensis var. *chinensis*, usually found below 1,000 m throughout the island, has 5-leaflets. The new variety, *C. chinensis* var. *tatshanensis*, with 7, 9, 11, 15

or more leaflets, is found only below 500 m in the central part of the western Taiwan.

Clematis tashiroi var. *tashiroi* has dark purple flowers, while the new variety *C. tashiroi* var. *huangii* has yellow flowers. The latter variety was named as a cultivar, i.e. *C. tashiroi* 'Yellow Flower', by Lu et al. (2001).

Clematis pseudootophora was found in Ssuyuan Saddle area and is a new record for Taiwan. Formerly, *C. pseudootophora* was known to occur in central and eastern China (Provs. Guizhou, Hunan, Hubei, Jiangxi, Zhejiang and Fujian).

To account for these new additions to the flora of Taiwan, a key to all taxa of *Clematis* on this island (23 taxa, i.e. 16 species, 2 subspecies and 5 varieties) and their synonyms, as well as line drawings, color photographs, distribution maps and taxonomic descriptions of the new taxa (*C. chinensis* var. *chinensis* and *C. tashiroi* var. *tashiroi*) are also provided.

Key to taxa of *Clematis* in Taiwan

1. Erect shrubs
 2. Leaflets more than 70 mm long; flowers pink.....14. *C. psilandra*
 2. Leaflets less than 35 mm long; flowers purple or blue..... 18. *C. tsugetorum*

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1. Climbing vines

3. Leaves simple or ternately compound

4. Sepals spreading; stamens glabrous

5. Sepals more than 10 mm wide; achenes glabrous..... 11. *C. montana*

5. Sepals less than 8 mm wide; achenes pubescent

6. Leaflets less than 23 mm wide, narrowly ovate or narrowly oblong..... 4. *C. formosana*

6. Leaflets more than 25 mm wide, ovate or broadly ovate

7. Leaflets entire, unlobed, glabrous on both sides

8. Filaments curved 3. *C. crassifolia*8. Filaments smooth, straight..... 10. *C. meyeniana*

4. Sepals erect; stamens pubescent

9. Leaves simple 7a. *C. henryi* var. *henryi*

9. Leaves ternately compound

10. Leaflets pubescent; flowers golden 9. *C. leschenaultiana*

10. Leaflets glabrous; flowers white or yellow

11. Petioles connate at base and expanded; flowers yellow 13. *C. pseudootophora*11. Petioles free, not connate; flowers white 7b. *C. henryi* var. *morii*

3. Leaves pinnately or biternately compound

12. Sepals (5-) 6 or more

13. Terminal leaflets less than 60 mm long; flowers pale pink 1. *C. akoensis*

13. Terminal leaflets more than 70 mm long; flowers dark purple or yellow

14. Flowers dark purple..... 16a. *C. tashiroi* var. *tashiroi*14. Flowers yellow 16b. *C. tashiroi* var. *huangii*

12. Sepals 4

15. Leaflet margins serrate

16. Sepals erect; stamens pubescent 8. *C. lasiandra*

16. Sepals spreading; stamens glabrous

17. Petioles joined at base and widely expanded

18. Flowers dark purple 16a. *C. tashiroi* var. *tashiroi*18. Flowers yellow..... 16b. *C. tashiroi* var. *huangii*

17. Petioles free

19. Flowers c. 28-45 mm in diam., white 12. *C. parviloba* ssp. *bartlettii*19. Flowers c. 15-25 mm in diam., creamy 6. *C. grata*

15. Leaflet margins entire

20. Flowers creamy; petioles stipulate 5. *C. gouriana* ssp. *lishanensis*

20. Flowers white; petioles estipulate

21. Petiolules articulate; leaves coriaceous

22. Ovaries glabrous; fruits glabrous 19a. *C. uncinata* var. *uncinata*22. Ovaries pubescent; fruits pubescent 19b. *C. uncinata* var. *okinawensis*

21. Petiolules not articulate; leaves chartaceous or subcoriaceous

23. Leaflets 5, rarely 7 or more

24. Ratios between length and width of leaflets 1.2-1.8 17. *C. terniflora* var. *garanbiensis*24. Ratios between length and width of leaflets 2.0-3.2 2a. *C. chinensis* var. *chinensis*

23. Leaflets 7, 9, 15 or more

25. Ratios between length and width of leaflets 3.0-4.4 15. *C. tamurae*25. Ratios between length and width of leaflets 1.5-2.3 2b. *C. chinensis* var. *tatushanensis*

1. *Clematis akoensis* Hayata, J. Coll. Sci. Univ. Tokyo 30: 13. 1911.—TYPE: TAIWAN. Pingtung Co., Pingtung (“Ako”), Chienching (“Miharashi-toge”), 24 Apr 1907, *T. Kawakami & U. Mori 3137* (holotype: TI!; isotype: TAIF!). 屏東鐵線蓮 (大渡氏鐵線蓮)

Clematis owatarii Hayata, J. Coll. Sci. Univ. Tokyo 30: 17. 1911. —TYPE: TAIWAN (“Formosa”). Pingtung Co., Henchun (“Koshun”), Nunaisha (“Ninaisha”), *C. Owatari s.n.*, 14 Mar 1898 (holotype: TI!; isotype: TAIF!).

Clematis dolichosepala Hayata, Icon. Pl. Formosan. 3: 1. 1913.—TYPE: TAIWAN. Pingtung Co., Henchun (“Koshun”), Hiranzan, *T. Kawakami & S. Sasaki s.n.*, 16 Feb 1911 (holotype: TI!; isotype: TAIF!).

2. *Clematis chinensis* Osbeck, Dagb. Ostind. Resa 205, 242. 1757; Forbes & Hemsley, J. Linn. Soc. 23: 3. 1886.—TYPE: CHINA. Guangdong. Canton, *Osbeck s.n.*, in 1751.

Clematis chinensis Retz., Observ. Bot. 2: 18. t.2. 1781.—TYPE: CHINA: Guangdong. Canton vel Macao, *Bladh s.n.*, in 1771.

Clematis sinensis Lour., Fl. Cochinch. 345. 1790.

Clematis minor Lour., Fl. Cochinch. 345. 1790.—TYPE: CHINA. *Loureiro s.n.*, s.d. (holotype: P!).

Clematis benthamiana Hemsl., J. Linn. Soc. Bot. 23: 2. 1886, *quoad spec.* —TYPE: CHINA. FUJIAN (“Fokien”). Amoy, *R. Fortune A 89* (syntype: K!).

Clematis cavaleriei H. Lév. & Porter, Repert. Spec. Nov. Regni Veg. 9: 20. 1910.—TYPE: CHINA. GUIZHOU (“Kouy-Tcheou”). Lofou, July 1909, *J. Cavalerie 3582* (holotype: E!, isotype: K!).

2a. var. *chinensis* 威靈仙

Vines, scandent, perennial herbaceous. Stem and leaves green when fresh, turning black when dry. Stem sulcate, sparsely pubescent or glabrous. Leaves pinnately compound, chartaceous; petioles tendril-late, 30-65 mm long; stipules absent. Leaflets 5, (34-)42-65(-85) mm long, (8-)13-35(-56) mm wide, narrowly ovate or ovate-lanceolate, base obtuse, cuneate or cordate; rarely lobed, margin entire, apex acuminate; glabrous on both surfaces or sparsely pubescent on adaxial surface; main veins 3 to 5, adaxial nerves flat or sunken, abaxial nerves elevated; petiolulate. Inflorescence cymes, axillary or terminal; peduncles pubescent, trichotomously branched; bracts and bracteoles elliptic or oblong-lanceolate, adaxially sparsely pubescent or glabrous; abaxially densely pubescent. Flowers 10-22 mm in diam., spreading. Sepals white, 4, 5-12 mm long, 2-3 mm wide, elliptic to oblong, base cuneate, apex obtuse, mucronulate, glabrous or nearly so inside, densely velutinous outside. Stamens numerous, 4-8 mm long, glabrous, centripetal; anthers narrowly elliptic or linear, longitudinally dehiscent, 1.0-1.5 mm long; connective shortly excurrent beyond or equalling

pollen sacs; filaments linear, flat. Carpels numerous, white sericeous. Fruits 25-40 mm long; achenes 3.5-5.5 mm long, orbicular or broadly ovate, compressed laterally, dark brown with pale yellow velutinous hairs; style persistent, elongating and caudate after anthesis, with pale yellow hairs.

Distribution. Widely distributed in mainland China (Provs. Anhui, Fujian, Jiangxi, Henan, Hubei, Hunan, Guangdong, Guangxi, Sichuan, Guizhou, Yunnan, Shaanxi, Hong Kong), Taiwan, and northern Vietnam. In Taiwan growing throughout open lands and at forest margins; 500 to 1,800 m.

Additional specimens examined. TAIWAN. Price 501 (K); Biyoritsu, *Faurie 167* (KYO, TNM). MIAOLI HSIEN: Tsiaochiao Township, *Simada 3153* (KYO, TAI, TAIF); Tunghsiao Town, Pingding, *Tamura & Koyama 23115* (KYO); Yuenli Town, Mt. Huoyenshan, *Huang & Huang 12673* (TAI), *Jeng 496* (L). TAICHUNG HSIEN: Hoping Township, Shenkuang, *Kuo 3930* (TAI); Houli Township, Yuemei Sugarcane Factory, *Hsu 4713* (TAI, TI). NANTOU HSIEN: Hsinyi Township, Danda logging track, *Yang et al. 6062* (TNM), *8729* (C.C. Chen coll.) (TNM), Hosheh to Mt. Alishan, *Tamura et al. 22279* (TAI), *22280* (TAI), Shalihshienhsi to Tungpu, *Yang 3718* (TNM), Shenmu logging track, *Yang 4197* (G.S. Wang coll.) (TAI, TNM), Tataka Saddle to Shalihshienhsi, *Yang 4189* (G.S. Wang coll.) (TAI, TNM), Tungpu, *Hwang 107*, *108* (TNM), Tungpu to Patungkuan, *Tamura et al. 21870* (TAI), Tungpu to Hosheh, *Tamura & Shimizu 22311* (TAI), Patungkuan, *Yang et al. 5880* (TNM); Renai Township, Mt. Nengkaoshan, *Ohwi 3364* (KYO, TI), Lushan to Yunhai, *Tamura & Koyama 23129*, *23130* (KYO), Wushih to Lushan, *Tamura & Koyama 23118* (KYO). CHANGHUA HSIEN: Changhua City, Baguashan, *S. Sasaki s.n.*, Aug 1932 (TAI); Yuenlin Town, *Simada 5611B* (KYO). CHIAYI HSIEN: Tapu Township, *Sasaki s.n.*, Oct 1917 (TAIF); Alishan Township, Mt. Alishan, *Kawakami & Sasaki s.n.*, Mar 1911 (TAIF), Fenchihu, *Faurie s.n.*, Jun 1914 (TAI), *1316* (BM), Fushan to Hosheh, *Sasaki s.n.*, May 1932 (TAI). KAOHSIUNG CITY: Kaohsiung (Takaw), *Henry s.n.*, s.d. (US). KAOHSIUNG HSIEN: Chishan Town, Nanmienshan, *Suzuki 20899* (TAI); Chiahshien Township, *Yang 1697* (W.S. Tang et al. coll.) (TNM), Chiahshien to Paolai, *S. Okamoto s.n.*, Oct 1937 (KYO); Liukuei Township, *Okamoto s.n.*, 31 Jan 1930 (KYO), Laonong, *Okamoto s.n.*, Oct 1937 (KYO); Tasheh Township, Mt. Kuangyingshan, *Yang et al. 6191* (TNM); Taoyuan Township, *W.S. Kan s.n.*, Aug 1976 (KYO), Stream Shaoniehshi, *Chern & Su 11* (TNM), *Wang & Lee 16* (TNM), *Yang et al. 3749* (TNM). PINGTUNG HSIEN: Chunjih Township, Chichia logging track, *Liu et al. 745* (HAST, TNM); Henchung Town, *E. Matuda s.n.*, July 1917 (TAIF), Fanyuliao, *Mori & Kawakami 4945* (TAIF); Ligang Township, *Matuda s.n.*, July 1919 (TAI, TAIF); Machia Township, Bankingsing, *Henry 189A* (K); Santimen Township, Santimen, *Lin s.n.*, Oct 1976 (KYO), *Mikage 76085* (KYO). HUALIEN HSIEN: Hualien City,

Harbor Hualiangang, *Hosokawa 5059* (TAI); Hsiulin Township, Yenhai logging track, *Yang et al. 5486* (TNM), Nanshanchan, *Mikage 76144* (KYO), Tienhsian, *Hsu 3759* (TAI), *Kuoh et al. 7001* (TAI), *Sasaki T864* (TI), Mt. Tarokotashan, *Sasaki s.n.*, May 1933 (TAI). TAITUNG HSIEN: Beinan Township, *Namba et al. 1783* (TI), Chihpen logging track, *Yang et al. 5926* (TNM); Chihpen Township, *Namba et al. 1646* (TI); Chulu Township, *Namba et al. 976* (TI); Dulan Township, Dulan Woodland, *Yang 1424* (TAI), *1427* (TAD); Hongyie Township, *Yang et al. 5929* (TNM), *13846* (TNM); Lutao Township, Isl. Lutao, *Kudo & Mori s.n.*, July 1930 (TAI), Cave Guanyindong, *Chang 16485* (PPI); Tunghe, Tulanshan, *Wu 24-052* (TNM). FUJIAN. FOKIEN: *Dunn 2313* (CUHK). JIANGXI. LUSHAN: Temple Shenlonggong, *Liu s.n.*, July 1935 (KYO). HONG KONG. NEW TERRITORY: Taipo, *Ross 8596* (CUHK); Taihang, *Tang 2033* (CUHK). GUANGDONG. GUANGZHOU CITY: Honam Island, *Merrill 9837* (CUHK), Guangyinshan, *Tsiang 1207* (CUHK, TAIF). JAPAN. RYUKYU ISLANDS: Miyakojima, *Masamune & Mori s.n.*, Aug 1934 (TAI).

2b. var. *tatushanensis* T.Y.A. Yang, var. nov.—TYPE: TAIWAN. Taichung Hsien, Tachia Township, Mt. Tiechanshan, alt. 185 m, 5 June 2004, *T.Y.A. Yang, Y.C. Chang & T.H. Wang 16659* (holotype: TNM; isotypes: A, BM, E, HAST, K, L, LE, MO, P, PE, TAI, TAIF, TI, TNM, TNS). 大肚山威靈仙 (新擬) Figures 1 & 4A

A var. chinensi foliis pinnatis vel bipinnatis 7-9-11-15-foliolatis, ovatis vel ellipticis, fructu aureo-velutino differt.

Leaves pinnately to bipinnately compound, chartaceous; petioles tendril-like, 25-70 mm long; leaflets (5-)7-9-11(-15 or more), (27-)36-57(-70) mm long, (12-)19-30(-41) mm wide, ovate to elliptic; sometimes lobed. Flowers 15-25 mm in diam. Sepals 4, white, spreading, 7-12 mm long, 2.5-5 mm wide. Stamens

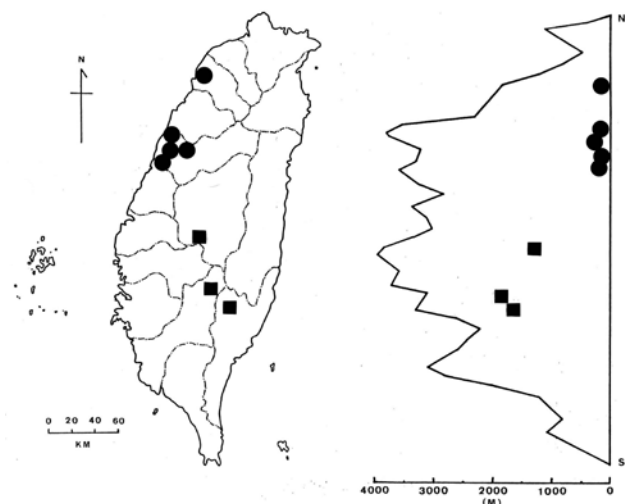


Figure 1. Latitudinal and altitudinal distributions of *Clematis chinensis* var. *tatushanensis* (circles) and *Clematis tashiroi* var. *huangii* (squares).

numerous, 3.5-8 mm long, anthers 1.8-2.5 mm long. Fruits 25-45 mm long; achenes 4-5 mm long, dark brown, yellow or pale golden velutinous; style persistent, elongating and caudate after anthesis, with yellow or pale golden hairs.

Distribution. Endemic to Taiwan. Open land or forest margins; below 500 m in western Taiwan; now only in Hsinchu and Taichung counties.

Additional specimens examined. TAIWAN. HSINCHU HSIEN: Chupei Township, Hsienchiaoshih, 9 May 1998, *Li 567* (TNM), 14 May 1995, *Yang et al. 6233* (TNM). TAICHUNG CITY: Situn District, Taichung Metropolitan Park, 7 June 2004, *Yang & Wu 16661* (TNM). TAICHUNG HSIEN: Chinshuei Township, Mt. Tatushan, Temple Nanshansi, 21 Dec 1984, *Yang 937* (TNM), 20 Apr 1985, *Yang & Hsu 1784* (TNM); Longchin Township, Mt. Tatushan, 16 June 1985, *Yang & Hsu 2231* (TNM), 10 Sep 1985, *Yang & Li 2515* (TNM), 18 June 1985, *Yang 2232, 3042* (TNM), 31 May 1986, *Yang 3038* (*F.S. Hsu & Yu* collected) (TNM); Shihkang Township, *Lu 25538* (TAIF); Tachia Township, Mt. Tiechanshan, 5 June 2004, *Yang et al. 16660* (TNM); Tatu Township, 4 Sep 1987, *Yang 3719* (TNM).

I collected sterile materials of *Clematis chinensis* var. *tatushanensis* for the first time in December 1984 (*Yang 937*, TNM). Flowering specimens were available in 1985. I noted its resemblance to *C. chinensis* var. *chinensis*, but the leaflet number, 7-11 or more, is different from the latter. Since then, I found more populations of this new taxon. They have the same characters of pinnately to bipinnately compound leaves with elliptic leaflets. They also have fruit tails with golden bearded hairs and are readily distinguishable from *C. chinensis* var. *chinensis*. In addition, foliage of *C. chinensis* var. *chinensis* usually turns black when dried but that of the new taxon does not always turn black.

3. *Clematis crassifolia* Benth., Fl. Hongk. 7. 1861; Kawakami, List Pl. Form. 1. 1910.—TYPE: CHINA. Hong Kong, in a ravine on Victoria Peak, Nov. 1857, *C. Wilford 106* (lectotype: K!; isolectotype: K!). 厚葉鐵線蓮

4. *Clematis formosana* Kuntze, Hook., Icon. Pl. t.1945. 1891.—TYPE: TAIWAN ("Formosa"). Kaohsiung City, Ape's Hill, *G.M.H. Playfair 307* (lectotype: K!; isolectotypes: K!, NY!). 寶島鐵線蓮 (佐佐木氏鐵線蓮、臺灣鐵線蓮)

Clematis sasakii T. Shimizu, Taiwania 18(2): 173. 1973.—TYPE: TAIWAN. Mt. Daikwanshan, *S. Sasaki s.n.*, 19 Oct. 1933 (holotype: TAI!; isotype: TAI!), *S. Sasaki s.n.*, 20 Oct 1933 (paratype: TAI!).

5. *Clematis gouriana* Roxb. ex DC. ssp. *lishanensis* T.Y.A. Yang & T.C. Huang in *Yang et al. J. Taiwan Mus.* 44(1): 144. 1991.—TYPE: TAIWAN. Nantou Co., Renai Township, Prov. #20 Hwy 103-104 Km (E-W Across



Figure 2. *Clematis pseudootophora*. A, habit; B, bracteole (adaxial view); C, bracteole (abaxial view); D, sepal (abaxial view); E, sepal (adaxial view); F & G, stamens; H, carpel; I, achene.

- Highway), alt. 2,300-2,560 m, 11 Nov 1985, *T.Y.A. Yang 2623* (holotype: TAI!; isotypes: HAST!, K!, PE!, TNM!). 梨山小囊衣藤
- Clematis taiwaniana* Kudo & Masam., Ann. Rep. Taihoku Bot. Gard. 2: 77. 1932; non Hayata.
- 6. *Clematis grata*** Wall., Pl. As. Rar. 1: 83, t.98. 1830; Yang *et al.*, J. Taiwan Mus. 44(1): 148. 1991.—TYPE: INDIA. Calcutta, Sep 1825, *N. Wallich 4668a* (lectotype: K!; isolectotype: G!); Kamaon, *N. Wallich 4668b* (syntype: K!); Jirinagur, *N. Wallich 4668c* (syntype: K!). 串鼻龍
- Clematis apiifolia* Henry, List Pl. Formosa 14. 1896, non DC.
- Clematis taiwaniana* Hayata, J. Coll. Sci. Univ. Tokyo 30: 17. 1911.—TYPE: TAIWAN. Taichung Co. (“Taichucho”), Tamaopu (“Daiboho”), 2 Aug 1906, *T. Kawakami & U. Mori 1229* (syntype: TI!); Miaoli Co. (“Bioritsu”), Tahu (“Taiko”), 1 Aug 1908, *T. Kawakami, B. Hayata & U. Mori 73* (holotype: TI!; isotype: TAIF!); Taipei City (“Taihoku”), Shihlin District, Chishanyen (“Shizangan”), *T. Kawakami & S. Sasaki s.n.*, June 1908, (syntype: TI!).
- Clematis gouriana* Sasaki, List Pl. Formosa 183. 1928; non Roxb. ex DC.
- Clematis grata* var. *ryukiuensis* Tamura, Acta Phytotax. Geobot. 15(1): 17. 1953.—TYPE: JAPAN. Isls. Ryukyu, insl. Oki-no-erabu, Okinawa, Ishigaki-jima, *G. Koidzumi s.n.*, 25-31 Aug 1923 (KYO!).
- Clematis javana* W.T. Wang, Acta Phytotax. Sin. 39(1): 3. 2001, non DC.
- 7. *Clematis henryi*** Oliv., Hook., Icon. Pl. t.1819. 1889; Matsumura & Hayata, J. Coll. Sci. Univ. Tokyo 22: 6. 1906; Yang & Huang, *Taiwania* 37(1): 22. 1992.—TYPE: CHINA. Hubei (“Hupeh”), Ichang, Oct 1887, *A. Henry 3280* (= 266) (lectotype: K!; isolectotypes: BM!, E!, HK!, K!, LE!, NAS!, NY!, TI!, US!).
- Clematis henryi* var. *leptophylla* Hayata, Icon. Pl. Formosan. 3: 2. 1913.—*Clematis hayatae* Kudo & Masam., Ann. Rep. Taihoku Bot. Gard. 2: 77. 1932.—TYPE: TAIWAN. Chiayi Co., Alishan (Arisan), *B. Hayata & S. Sasaki s.n.*, Jan 1912 (lectotype: TI!; isolectotypes: K!, TAI!, TAIF!, TI!).
- Clematis henryi* var. *ternata* M.Y. Fang, Fl. Reipubl. Popularis Sin. 28: 353. 1980.—TYPE: CHINA. Shaanxi, Chengku Co., Nanshan, Tapanba, 1,300 m, 16 Nov 1939, *T.N. Liou 11315* (holotype: PE!).
- Clematis henryi* var. *mollis* W.T. Wang, Bull. Bot. Res. 7(2): 99. 1987.—TYPE: CHINA. Hubei, Hefeng, 410 m, 18 Oct., *H.J. Li 8070* (holotype: PE!).
- 7a. var. *henryi*** 亨利氏鐵線蓮 (薄單葉鐵線蓮)
- 7b. var. *morii*** (Hayata) T.Y.A. Yang & T.C. Huang, *Taiwania* 37(1): 35. 1992.—*Clematis morii* Hayata, J. Coll. Sci. Univ. Tokyo 25: 42. 1908.—TYPE: TAIWAN. Nantou Co., Central Mountains (in “montibus Centralibus”), ca. 3,048 m alt. (ad 10,000 ped. alt.), 27 Nov 1906, *T. Kawakami & U. Mori 1854* (holotype: TI!; isotype: TAIF!). 森氏鐵線蓮
- 8. *Clematis lasiandra*** Maxim., Bull. Acad. Imp. Soc. St.-Petersb. 22: 213. 1876; Yang & Huang, *Taiwania* 37(1): 38. 1992.—TYPE: JAPAN. Shikoku, Nagasaki, Nagayama, *C.J. Maximowicz s.n.*, 21 Sep-3 Oct 1863 (lectotype: LE!; isolectotypes: A!, BM!, K!, LE!, NY!). 小木通 (毛蕊鐵線蓮、永澤氏鐵線蓮)
- Clematis lasiandra* var. *nagasawai* Hayata, J. Coll. Sci. Univ. Tokyo 25: 40. 1908.—TYPE: TAIWAN. Hualien Co., Hsiulin, Hsiukuluan (“Shukoran”), Yushan Mountains (in monte “Morrison”), ca. 3,388 m alt. (ad 11,117 ped. alt.), 4 Nov 1905, *S. Nagasawa 611* (holotype: TI!; isotype: KYO!).
- 9. *Clematis leschenaultiana*** DC., Syst. Nat. I: 151. 1817; Hayata in J. Coll. Sci. Univ. Tokyo 30: 5. 1911.—TYPE: INDONESIA. Java, *J.B.L.T. Leschenault s.n.*, s.d. (holotype: P!). 綉毛鐵線蓮
- Clematis fulva* Zoll. & Mor. ex Mor., Syst. Verz. Zoll. 35. 1845-46.—*Clematis leschenaultiana* var. *fulva* (Zoll. & Mor.) Kuntze, Ann. Jard. Bot. Buitenzorg 14. t. 20. 1897.—TYPE: INDONESIA. Java, 15 Mar 1844, *H. Zollinger 2005* (isotypes: BM!, P!).
- Clematis caesariata* Hance, J. Bot. 8: 71. 1870.—TYPE: CHINA. FUJIAN (“Fokien”), *C.F. DeGrijs 6700* (lectotype: K!; isolectotypes: BM!, LE!).
- Clematis splendens* H. Lév. & Van., Bull. Acad. Inter. Geog. Bot. 11: 171. 1902.—TYPE: CHINA: Guizhou (“Kweichow”), Hoangkochou, 10 Feb 1899, *L. Martin & Bodinier 2248* (E!); Tchenlin, *Bodinier 2248* (E!).
- Clematis leschenaultiana* var. *angustifolia* Hayata, J. Coll. Sci. Univ. Tokyo 30: 16. 1911.—*Clematis angustifolia* (Hayata) Hayata, Icon. Pl. Formosan. 3: 1. 1913; non Jacq.—TYPE: TAIWAN. Chiayi Co., Shinko, Rahao, *T. Kawakami s.n.*, in 1908 (holotype: TI!).
- Clematis leschenaultiana* var. *subglabrifolia* Merr., Philipp. J. Sci. Ser. C, Bot. 10: 303. 1915.—TYPE: PHILIPPINES. Luzon, Subprov, Ifugao, Mt. Polis, Feb 1913, *R.C. McGregor 19813* (BM!, K!, US!).
- 10. *Clematis meyeniana*** Walp., Nov. Act. Nat. Cur. 19(1): 297. 1843; Forbes & Hemsley, J. Linn. Soc. Bot. 23: 5. 1886.—TYPE: CHINA: Hong Kong, Cap. Syngmoon. 麥氏鐵線蓮 (毛柱鐵線蓮)
- Clematis meyeniana* var. *insularis* Sprague, Kew Bull. 1916: 46. 1916.—TYPE: TAIWAN. Taipei Co., Tamsuy, *R. Oldham 1* (holotype: K!; isotypes: LE!, P!); *syn. nov.*
- Clematis hakkuensis* Hayata in *scheda*; TAI!, TAIF!, TI!

11. *Clematis montana* Buch.-Ham. ex DC., Syst. 1: 164. 1817; Tamura, Acta Phytotax. Geobot. 15: 118. 1954. —TYPE: NAPAULIA. *Buchan s.n.*, s.d. (BM!, G!). 繡球藤

Clematis insulari-alpina Hayata, Icon. Pl. Formosan. 3: 3. 1913. —TYPE: TAIWAN (“Formosa”). Mountains (“Montibus”), *U. Mori s.n.*, July 1912 (holotype: TI!).

12. *Clematis parviloba* Gardner & Champ. ssp. *bartlettii* (Yamam.) T.Y.A. Yang & T.C. Huang, *Taiwania* 40(3): 235. 1995.—*Clematis bartlettii* Yamam., Trans. Nat. Hist. Soc. Formosan. 20: 101. 1930.—*Clematis parviloba* Gardner & Champ. var. *bartlettii* (Yamam.) W.T. Wang, Acta Phytotax. Sin. 38(5): 405. 2000.—TYPE: TAIWAN. Ilan Co., Nanao, Tuchang (“Doba”) to Mt. Taipinshan (“Taiheisan”), ca. 445-1,366 m alt. (1,460-4,880 ft. alt.), 28 Sep 1926, *H.H. Bartlett 6011* (holotype: TAI!; isotypes: TAI!, US!). 巴氏鐵線蓮

Clematis pierotii T.S. Liu & C.F. Hsieh, Fl. Taiwan 2 (1st ed.): 489. 1976, *non* Miq.

Clematis matsudai Hayata, *in sched.*; TAI!; US!

13. *Clematis pseudootophora* M.Y. Fang, Fl. Reipubl. Popularis Sinicae 28: 355. 1980.—TYPE: CHINA. Jiangxi, Peak Baihefong, Mt. Wugongshan, alt. 1,750 m, 14 Sep 1954, *Kiangsi Exped. 1232* (holotype: PE!; isotypes: NAS!, PE!). 華中鐵線蓮 (思源鐵線蓮)

Figures 2, 3 & 4B

Clematis pseudootophora M.Y. Fang var. *integra* W.T. Wang, Acta Bot. Yunnan. 8(3): 266. 1986—TYPE: CHINA. Hunan, Cili Co., Mt. Soxishan, alt. 830 m, 9 Sep. 1984, *West Hunan Exped. 451* (holotype: PE!; isotype: PE!).

Clematis szuyuanensis T.Y.A. Yang, *in sched.*; TNM!

Vines, perennial, scandent, evergreen, woody. Stem sulcate, nearly glabrous. Leaves ternately compound, chartaceous; petioles tendril-like, 48-115 mm long, base connate and expanded. Leaflets 3, sometimes simple, (52-)65-88(-102) mm long, (13-)19-32(-41) mm wide, oblong, elliptic-lanceolate, narrowly ovate or ovate; base acute, obtuse or cordate, oblique usually on lateral segments, unlobed sometimes 3-lobed, margin serrate or entire, apex acuminate or acute, both surfaces glabrous or nearly so; main veins 3, adaxial nerves flat or sunken, abaxial nerves elevated; petiolule tendril-like. Flowers solitary or sometimes in cymes, 15-30 mm in diam., campanulate, pendent, both axillary and terminal; pedicels 22-61 mm long, glabrous or nearly so, trichotomously branched; bracts and bracteoles subulate or lanceolate, glabrous or nearly so on both sides. Sepals 4, pale yellow to yellow, 18-27 mm long, 6-8 mm wide, elliptic, oblong or ovate-oblong, base cuneate, apex acute, recurved at the tip; both surfaces glabrous except abaxial surface distally and adaxially margin velutinous. Stamens numerous, 10-16 mm long, pubescent; filaments widely linear, sparsely pubescent; anthers linear, dehiscence lateral and longitudinal, pubescent; connective excurrent beyond pollen sacs, 1 mm long, pubescent. Carpels numerous, sericeous. Fruits 45-65 mm long; achenes 3-5 mm long, obovate or narrowly obovate, convex or flat, yellowish brown or reddish brown, yellow velutinous; styles persistent, elongating and tail-like after anthesis, with pale yellow or yellow bearded hairs.

Distribution. Mainland China (Guizhou, Hunan, Hubei, Jiangxi, Zhejiang, Fujian) and Taiwan. In Taiwan found only at forest margins between 1,600 and 1,900 m in Ssuyuan Saddle area.

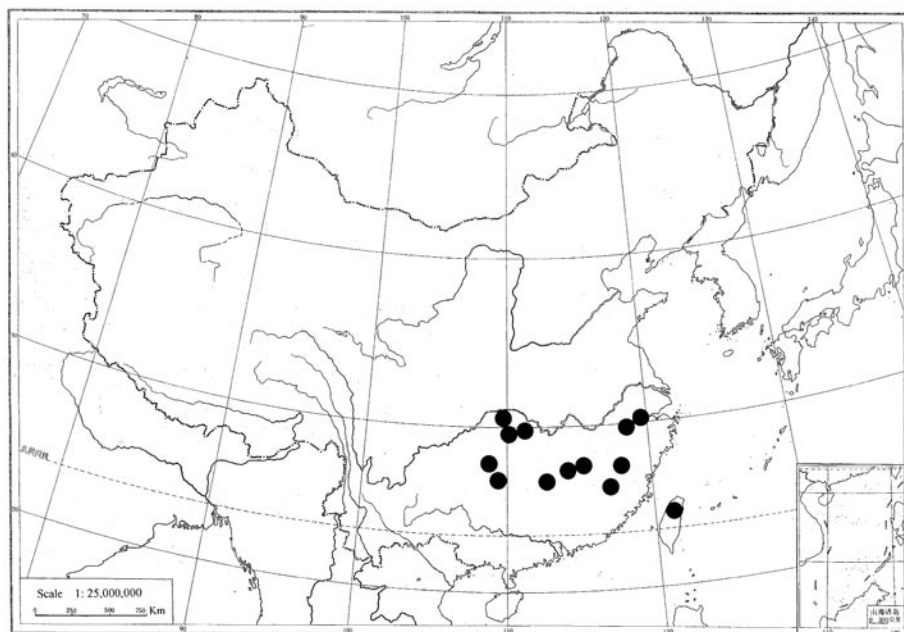


Figure 3. Distribution of *Clematis pseudootophora* in Mainland China and Taiwan.



Figure 4. Photographs of *Clematis* in Taiwan. A, *Clematis chinensis* var. *tatushanensis* in Mt. Tiejianshan, Tachia Town, Taichung HSIEN, Taiwan; B, *Clematis pseudootophora* in Ssuyuan Saddle, Ilan Hsien, Taiwan; C, *Clematis tashiroi* var. *huangii* in Lugu Township, Nantou Hsien, Taiwan.

Additional specimens examined. **TAIWAN.** ILAN HSIEN: Tatung Township, Ssuyuan Saddle, 26 July 1997, *Yang 8730* (TNM), Taiwan Prov. #7A Highway 43-44 Km, 19 Aug 1996, *B. & S. Wynn-Jones 3062* (TNM), 10 Oct 1996, *Yang et al. 7631* (TNM), 44 Km, 21 Oct. 2002, *Yang et al. 15428* (TNM). TAICHUNG HSIEN: Hoping Township, Bridge Lanhuachiao to Chihliang, 19 Sep 1996, *Wang & Lin 2356* (TNM); Ssuyuan Saddle, 25 June 2003, *Huang HCI 76* (TNM), 7 Sep 2003, *Hwang HCI 102* (TNM). **GUIZHOU.** SHIBING HSIEN: Maxi Township, Wangjiaping, *Wulingshan Exped. 2429* (PE), Fodingshan, *Wulingshan Exped. 2524* (PE); YINJIANG HSIEN: Fanjinshan, *Jian et al. 30905* (PE). **HUNAN.** SANGZHI HSIEN: Mt. Tiapingshan, *Beijing Exped. 3819* (PE), Xuishaping, *Beijing Exped. 4528* (PE); SHIMEN HSIEN: Jiangping Township, Dingping, *Hupingshan Exped. A111* (PE); Hengshan HSIEN, Mt. Hengshan, *s.c.*, July 1925 (PE); XINNING HSIEN: Jingjiling, *Luo A3* (PE), Baiyangping, *Luo 2996* (PE). **HUBEI.** JIANSI HSIEN: Huaguoping, *Dai & Chien 168* (PE); HEFENG HSIEN: *Li 6954* (PE). **JIANGXI.** Wugongshan, Baihefong, Temple Tzijingong, *Kiangsi Exped. 956* (PE). **ZHEJIANG.** LIN'AN HSIEN: Chanhua Township, *He 26382* (NAS), Longkuanshan, Hongfongwan, *Chiu 975* (MO), Xiken, *s. c. 30566* (PE); Mt. Tianmushan, Temple Longmiao, *He 30268* (MO). **FUJIAN.** CHONG'AN (Wuyishan City): Xingcuen, *Wuyi Exped. 729* (PE), Mt. Wuyishan, Qilichiao, *Wuyi Exped. 80-0437* (MO).

14. *Clematis psilandra* Kitagawa, J. Jap. Bot. 13: 352. 1937.—*Clematis heracleifolia* DC. var. *taiwanica* S. Suzuki & Hosokawa, Trans. Nat. Hist. Soc. Formosan. 23: 96. 1933.—TYPE: TAIWAN. Pingtung Co., Mt. Mutoo (“monte Mutoo”), inter Hannoki & Adel, *ca.* 1,372 m. alt. (cir. 4,500 ped. alt.), 23 Aug 1932, *T. Hosokawa 5405* (holotype: TAI!; isotype: TAI!) 臺灣草牡丹 (光蕊鐵線蓮)

15. *Clematis tamurae* T.Y.A. Yang & T.C. Huang, *Taiwania* 40(3): 239. 1995.—TYPE: TAIWAN. Pingtung Co., Manchou, Mt. Nanrenshan, 7 July 1992, *T.Y.A. Yang et al. 6119* (holotype: TAI!; isotypes: HAST!, K!, PE!, TNM!, TNU!). 田村氏鐵線蓮

Clematis austro-taiwanensis Tamura in *scheda*; TAI!

16. *Clematis tashiroi* Maxim., Bull. Acad. Imp. Soc. St.-Petersb. 32: 477. 1888; Sasaki, List Pl. Formosa 184. 1928. —TYPE: JAPAN: Isls, Ruykyu, Archipelago Yayama inter Liukiu & Formosa, in 1886, *A. Tashiro 40* (holotype: LE!; isotype: LE!).

Clematis longisepala Hayata, J. Coll. Sci. Univ. Tokyo 25: 41. 1908.—TYPE: TAIWAN. Nantou Co., Hsinyi, Mt. Yushan (in monte “Morrison”), *ca.* 1,829 m. (ad 6,000 ped.) alt., 12 Oct 1906, *T. Kawakami & U. Mori 2018* (holotype: TII!; isotypes: K!, TAIF!).

Clematis tozanensis Hayata, J. Coll. Sci. Univ. Tokyo 25: 42. 1908.—TYPE: TAIWAN. Chiayi Co., Alishan

Township, Mt. Tashan (“Tozan”), in Yushan Mountains, (in montibus “Morrison”) *G. Nakahara s.n.*, Oct 1906 (holotype: TII!).

Clematis yingtzulinia S.S. Ying, Q. J. Chin. For. 20(4): 127. 1987.—TYPE: TAIWAN. Taipei Co., Pinglin Township, Yingtzulin, *S.S. Ying s.n.*, 20 Sep 1987 (NTUF).

16a. var. *tashiroi* 田代氏鐵線蓮 (琉球鐵線蓮)

Vines, perennial, scandent, woody. Stems green, sulcate, sparsely pubescent, glabrous at maturity. Leaves ternately or pinnately compound, subcoriaceous or chartaceous; petioles tendril-like, 52-94 mm long, joined at base and widely expanded; stipules absent. Leaflets 3 to 5, (43-)64-142(-225) mm long, (31-)45-84(-125) mm wide, cordate or ovate, base cordate, unlobed, margin sparsely serrulate, rarely entire, apex acuminate; both surfaces glabrous; main veins 5, adaxial nerves flat or sunken, abaxial nerves elevated; petiolulate. Inflorescence dichasia or cymes, axillary; peduncles glabrous, trichotomously branched; bracts and bracteoles elliptic-lanceolate or subulate, subcoriaceous, abaxially sparsely velutinous, adaxially glabrous. Flowers 30-50 mm in diam. Sepals 5-6, sometimes 4 or more than 6, dark purple, spreading, 18-30 mm long, 4-8 mm wide, oblong-lanceolate, base cuneate, apex acute; inside glabrous and outside densely velutinous. Stamens numerous, glabrous, centripetal, inner ones shortest 6-8 mm long, outer ones 15-22 mm long; filaments linear, flat; anthers narrowly elliptic or linear, dehiscence lateral and longitudinal; connective long excurrent beyond pollen sacs, 0.6-2 mm long. Carpels numerous, white sericeous. Fruits 46-74 mm long; achenes 6-8 mm long, narrowly ovoid or ellipsoid, compressed laterally, dark brown, sparsely velutinous; style persistent and elongating and caudate after anthesis, with white or pale yellow hairs.

Distribution. Taiwan and the Ryukyu Islands. In Taiwan, widely distributed from low to middle altitudes (50-2,800 m), around beaches, streamsides, in open land and forest margins.

Additional specimens examined. **TAIWAN.** TAIPEI CITY: Shihlin District, Chihsinshan, *Shimada s.n.*, Sep 1916 (TAI). TAIPEI HSIEN: Wulai Township, Paling to Fushan, *Li 87* (TAIF); Pinglin Township, Hapen, *Lu s.n.*, 24 Sep 1987 (TAIF), Pihu, *Ho 648* (TAIF), *Yang 1871* (TAI). ILAN HSIEN: Nanau Township, Lake Shenmihu, *Yang et al. 4643* (TAIF); Tatung Township, Tuchan, *Suzuki 4154* (TAI). TAOYUAN HSIEN: Kuansi Town, Mt. Wainiaotsuishan, *Wu et al. 2665* (TAI). MIAOLI HSIEN: Taian Township, Erpensung, *Liu & Ou 275* (CHIA). TAICHUNG HSIEN: Hoping Township, *Sasaki s.n.*, , Nov 1922 (TAI), Mt. Pahsienshan, *Cheng 2157* (TAIF). NANTOU HSIEN: Chichi Town, Mt. Chichitashan, *Yang & Chiang 5883* (TNM); Chushan Town, Chingshuikou, *Huang 849* (TAI); Lugu Township, Hsitou, *Yang 151* (TAI), 3237 (TNM), *Yang et al. 16054, 17817* (TNM). CHIAYI HSIEN: Alishan Township, Mt. Alishan, *Wilson*

9656 (A, BM, K), 10797 (A, BM, K, US), Fengchihu, Yang et al. 19709 (TNM). TAINAN HSIEN: Paihe Town, Kuangtzulin, Yang 2445 (TAI). KAOHSIUNG HSIEN: Taoyuan Township, Prov. #20 Highway, Likuang, Yang 3124 (TNM). PINGTUNG HSIEN: Manchou Township, Changlo to Pinlang, Hsu & Kuoh 8214 (TAI), Chioupeng, Yang 230 (TAI), Mt. Kaoshihoshan, G.F. Kou et al. 750 (TAIF), Nanrenshan, Chang 2109 (TAI), Kuoh 4106 (TAI), Hsieh 1417 (TAI); Shihtzu Township, Shuangliu, Yeh 1064 (PPI); Taiwu Township, Peitawu logging track, Chen et al. 2877, 2878 (TNM), Mt. Tawushan, Huang et al. 13562 (TAI). HUALIEN HSIEN: Chohsi Township, Yamagon to Shihli, Chiang et al. 38 (TAIF); Michan Township, Chen 9859 (TAIF); Hsiulin Township, Tsankwang Temple, Peng 7395 (HAST). TAITUNG HSIEN: Chipen Township, Liu et al. 854 (CHIA); Lanyu Township, Isl. Lanyu, Chang 14917 (TAI), Tzeng 742 (TAIF), Hongtuo, Lu & Liao 1594 (TAIF), Yang et al. 18609, 18614 (TNM).

16b. var. huangii T.Y.A. Yang, var. nov. —TYPE: TAIWAN. Nantou Hsien, Lugu Township, on the way of Shanlinhsi (“Sun Link Sea”), between Chinese Zodiacal Signs “Ox” and “Tiger”, alt. 1,139 m., 3 Oct 2008, T.Y.A. Yang & S.C. Chen 20936 (holotype: TNM, isotypes: A, E, HAST, K, MO, P, PE, TAI, TAIF, TNM, TNS). 黃氏鐵線蓮 (新擬)

Figures 1 & 4C

A var. tashiroi calyce vitellino differt. *Clematis tashiroi* var. huangii differs from the typical variety in having yellow calyx.

Leaves pinnately compound, subcoriaceous or chartaceous; petioles tendril-like, joined at base and widely expanded; leaflets 5. Inflorescence dichasia or cymes. Flowers 30-50 mm in diam. Sepals 4-6, sometimes more, yellow, turning brown or dark brown when dry, spreading; stamens glabrous; carpels white sericeous.

Distribution. Endemic to central and southern Taiwan, narrowly distributed in open land and at forest margins; 1,000-2,000 m.

Additional specimen examined. TAIWAN. NANTOU HSIEN: Lugu Township, Shanlinhsi, T.W. Hsu 14477 (TAIE). KAOHSIUNG HSIEN: Taoyuan Township, Prov. #20 Highway (cult. at Taipei Botanical Garden), Lu 25638 (TAIF). TAITUNG HSIEN: Haituan Township, Prov. #20 Highway, B. & S. Wynn-Jones 1423 (TNM). Fruiting material, collected at the same plant of holotype, 9 Dec 2008, Yang et al. 21190 (TNM).

Although var. *huangii* was published as a new cultivar (Lu et al., 2001), it is found frequently in the field in Taiwan. I therefore propose it formally at the variety level. The varietal epithet commemorates Prof. Dr. T.C. Huang (TAI) in honor of his lifetime study of the flora of Taiwan.

17. *Clematis terniflora* DC. var. **garanbiensis** (Hayata) M.C. Chang, Fl. Reipubl. Popularis Sinicae 28:

170. 1980.—*Clematis garanbiensis* Hayata, Icon. Pl. Formosan. 9: 1. 1920.—TYPE: TAIWAN. Pingtung Co., Hengchun, Ooluanpi (“Garanbi”), 2 July 1906, T. Kawakami 1620 (holotype: TI!). 鵝鑾鼻鐵線蓮

Clematis recta Henry, List Pl. Formosa 14. 1896; non L.

Clematis paniculata Hayata, J. Coll. Sci. Univ. Tokyo 30: 18. 1911; non Thunb.

Clematis terniflora DC. var. *robusta* T.S. Liu & C.F. Hsieh, Fl. Taiwan 2 (1st ed.): 492. 1976; non Tamura.

18. *Clematis tsugetorum* Ohwi, Acta Phytotax. Geobot. 2(3): 153. 1933.—TYPE: TAIWAN. Nantou Co. (“Taichushu”), Renai, Nengkaoyue, Mt. Nengkaoshan (“Nokogoe”), 15 June 1933, J. Ohwi 3277 (holotype: KYO!; isotypes: TAI!, TNS!), Mt. Nanhutashan (monte “Nankotaisan”), 19 July 1933, J. Ohwi 4041 (paratype: KYO!). 高山鐵線蓮 (台中鐵線蓮)

19. *Clematis uncinata* Champ. ex Benth., J. Bot. 3: 255. 1851; Tamura, Acta Phytotax. Geobot. 15(1): 18. 1953.—*Clematis chinensis* Retz. var. *uncinata* (Champ.) Kuntze, Verh. Bot. Ver. Brandenburg 26: 115. 1885.—TYPE: CHINA. Hong Kong, Mt. Parker, near Saywan, J.G. Champion 34 (holotype: K!).

Clematis leiocarpa Oliv., Hook., Icon. Pl. t.1533. 1886.—TYPE: CHINA. Hubei (Hupeh), Ichang, A. Henry 309B (= 714A) (holotype: K!; isotype: K!).

Clematis ovatifolia T. Ito ex Maxim., Bull. Acad. Imp. Sci. St.-Petersb. 31: 12. 1886.—*Clematis uncinata* var. *ovatifolia* (T. Ito ex Maxim.) Ohwi, Fl. Jap. 515. 1956.—TYPE: JAPAN. Prov. Kii, in mountains Kumano, Aug. flowers and Sep. fruits, T. Ito 1 (holotype: LE!; isotype: LE!).

Clematis drakeana H. Lév. & Vant., Bull. Acad. Intern. Geogr. Bot. 11: 168. 1902.—TYPE: CHINA. Guizhou (Kouy-Tcheou), 3 July 1897, L. Martin & E. Bodinier 1680 (E!), Kout-Yang, 20 June 1898, E. Bodinier 1680 (E!).

Clematis gagnepainiana H. Lév. & Vant., Bull. Soc. Bot. France 51: 219. 1904.—TYPE: CHINA. Guizhou, Pinfa, 30 Aug 1902, J. Cavalerie 664 (E!).

Clematis uncinata var. *floribunda* Hayata, J. Coll. Sci. Univ. Tokyo 30: 18. 1911.—*Clematis floribunda* (Hayata) Yamam., J. Soc. Trop. Agric. 4: 188. 1932.—TYPE: TAIWAN. Miaoli Co., Tahu (“Taiko”), 1 Aug 1908, T. Kawakami & B. Hayata 58 (holotype: TI!; isotype: TAI!).

Clematis alsomitrifolia Hayata, Icon. Pl. Formosan. 3: 1. 1913.—TYPE: TAIWAN (“Formosa”). U. Mori s.n., Aug 1912 (holotype: TI!; isotype: TAIF!).

Clematis uncinata var. *coriacea* Pamp., Nuov. Giorn. Bot. Ital. n. ser. 22: 288. 1915.—TYPE: CHINA. Hubei, Zantanscian, Aug 1912, Silvestri 3936.

Clematis uncinata var. *biternata* W.T. Wang, Acta Phytotax. Sin. 6(4): 374. 1957.—TYPE: CHINA.

Yunnan, Wenshan, *K.M. Feng 11018* (PE!).

Clematis uncinata var. *taitongensis* C.Y. Liu & C.H. Ou, *Quart. J. Chin. Forest.* 9(2): 122. *f.5.* 1976.—
TYPE: TAIWAN. Taitung (“Taitong”) Co., Chihpen (“Tsupan”), *Liu et al. 879* (holotype: TCF!).

Clematis macrantha Hayata *in sched.*; TI!

19a. var. **uncinata** 柱果鐵線蓮

19b. var. **okinawensis** (Ohwi) Ohwi, *Fl. Japan* ed. 1. 515. 1953; Yang & Huang, *Taiwania* 40(3): 252. 1995.—
Clematis okinawensis Ohwi, *Acta Phytotax. Geobot.* 6(3): 146. 1973.—TYPE: JAPAN. Isls, Ryukyu, Pref. Okinawa, Naha, *Y. Tokura s.n.*, s.d. (holotype: KYO!). 沖繩鐵線蓮 (毛果鐵線蓮)

Clematis alsomitriifolia Tamura, *Acta Phytotax. Geobot.* 15(1): 18. 1953; *non* Hayata.

Clematis trichocarpa Tamura, *Acta Phytotax. Geobot.* 16: 79. 1956.—*Clematis okinawensis* Ohwi var. *trichocarpa* (Tamura) Tamura, *Acta Phytotax. Geobot.* 34: 98. 1983.—TYPE: TAIWAN (“Formosa”). Pingtung Co., Raisha, *T. Soma 1017* (holotype: TI!).

Acknowledgements. I thank R. Brummit (K) who encouraged me to publish the new taxon, *Clematis tashiroi* var. *huangii*, and corrected the Latin diagnosis for both new taxa; S.Y. Lu (TAIF) who gave me suggestions, Y.P. Cheng (deceased; TAIF) who provided the field photo of *C. tashiroi* var. *huangii* firstly; Mr. & Mrs. Wynn-Jones (Wales, UK) who sent me specimens and showed me the locality of *C. pseudootophora* and Ms. H.H. Yang had good line drawing. I also thank Y.F. Chen and K.C. Yang (Providence University, Taichung, Taiwan) who supported me and suggested that I publish the new taxon, *C. chinensis* var. *tatshanensis*. Finally, I extend my thanks to the curators of A, CHIA, CUHK, E, G, HAST, HK, K, KYO, L, LE, MO, NAS, P, PE, PPI, TAI, TAIE, TAIF, TCF, TI and US for the specimen loans.

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臺灣毛茛科植物之新見 (7) — 鐵線蓮屬的新變種及新紀錄種

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本篇是有關臺灣產毛茛科 (Ranunculaceae) 鐵線蓮屬的 3 個新分類群之報導，包括二新變種：大肚山威靈仙 (*C. chinensis* var. *tatushanensis*) 及黃氏鐵線蓮 (*C. tashiroi* var. *huangii*)，及一新紀錄種：華中鐵線蓮 (*C. pseudootophora*)。文中包括在臺灣本屬植物的檢索表及物種的同物異名外，僅對此三分類群及其原種 [威靈仙 (*C. chinensis* var. *chinensis*) 及田代氏鐵線蓮 (*C. tashiroi* var. *tashiroi*)] 有詳細分類描述並附有分布圖。

關鍵詞：大肚山威靈仙；威靈仙；黃氏鐵線蓮；田代氏鐵線蓮；華中鐵線蓮；鐵線蓮屬；檢索表；毛茛科；分類學；臺灣。