

# 四川铁线莲属二新种

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摘要: 描述了自四川东南部发现的毛茛科铁线莲属二新种: 黄荆铁线莲和古蔺铁线莲。

关键词: 毛茛科; 铁线莲属; 新种; 四川

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## Two new species of *Clematis* (Ranunculaceae) from Sichuan

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**Abstract:** Two species of the genus *Clematis* (Ranunculaceae), *C. huangjingensis*, belonging to sect. *Clematis* subsect. *Clematis* and *C. gulinensis*, belonging to sect. *Viorna* (Reichb.) Prantl subsect. *Connatae* Koehne, are described as new from Sichuan, China.

**Key words:** Ranunculaceae; *Clematis*; new species; Sichuan

中国科学院植物研究所标本馆于2010年秋季派队到四川东南部古蔺县进行植物区系考察, 采集到大量植物标本, 最近我们在鉴定其中毛茛科标本的过程中发现铁线莲属二新种, 现在本文发表。

铁线莲属 *Clematis* L.

黄荆铁线莲 图 1: A-B

*Clematis huangjingensis* W. T. Wang & L. Q. Li, sp. nov. (sect. *Clematis* subsect. *Clematis*) Fig. 1: A-B

Species nova haec est affinis et foliorum forma simillima *C. chingii* W. T. Wang, quae foliolis supra strigosis interdum trilobatis, inflorescentiis paniculatis multi-floris, stylis persistentibus circ. 4 cm longis facile differt.

Liana lignosa. Caulis brunneo-purpureus, circ. 2.5 mm crassus, longitudinaliter vadosaque 8-sul-

catus, dense adpresseque puberulus. Folia opposita, 5-foliolatim pinnata, 17-22 cm longa; foliola petiolulata, petiolulis (2-) 10-22 mm longis cum petiolis et rhachibus dense adpresseque puberulis, lanminis papyraceis anguste ovatis vel ellipticis 6-9 cm longis 3.8-5 cm latis apice acumiantis vel acutis basi rotundatis vel rotundato-truncatis margine utroque latere 1-3(-6)-dentatis supra glabris subtus puberulis, nervis basalibus tribus utrinque planis; petioli circ. 5 cm longi. Cymae axillares, 1-florae; pedunculi fructiferi 2.5-3 cm longi, cum bracteis et pedicellis adpresse puberuli; bractee oppositae, anguste ovatae, circ. 2 mm longae; pedicelli fructiferi circ. 1.5 cm longi. Flores ignoti. Achenia siccitate nigra, anguste obovoidea, circ. 3.5 mm longa, 2 mm lata, pilosa, stylis persis-

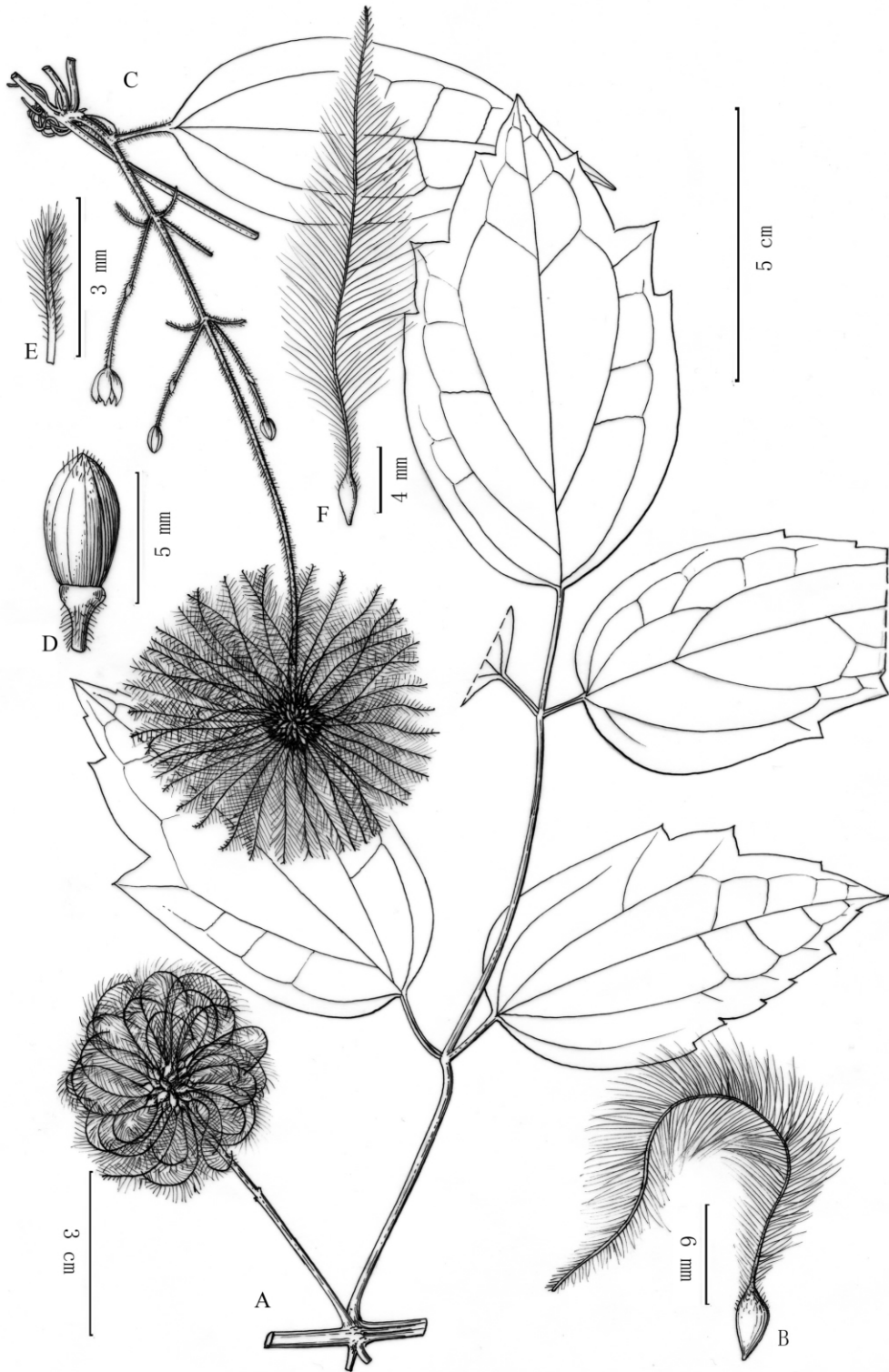


图 1 A-B. 黄荆铁线莲 A. 叶和腋生果序; B. 瘦果 C-F. 古葡铁线莲 C. 叶和腋生果序、花蕾; E. 幼雄蕊; F. 瘦果。

Fig. 1 A-B. *Clematis huangjingensis* A. leaf and axillary fruiting inflorescence; B. achene (from holotype)

C-F. *Clematis gulinensis* C. leaf and axillary fruiting inflorescence; D. flower bud; E. young stamen; F. achene. (from holotype)

tentibus albo-plumosis circ. 2.6 cm longis.

木质藤本。茎褐紫色，粗约 2.5 mm，有 8 条浅纵沟，密被贴伏短柔毛。叶对生，为具 5 小叶的羽状复叶，长 17—22 cm；小叶具柄；小叶柄长(2—)10—22 mm，与叶柄和叶轴均密被贴伏短柔毛；小叶片纸质，狭卵形或椭圆形，长 6—9 cm，宽 3.8—5 cm，顶端渐尖或急尖，基部圆形或圆截形，边缘每侧有 1—3(—6)枚牙齿，上面无毛，下面被短柔毛，基出脉 3 条，两面平；叶柄长约 5 cm。聚伞花序腋生，具 1 花；花序梗果期长 2.5—3 cm，与苞片和花梗均被贴伏短柔毛；苞片对生，狭卵形，长约 2 mm；花梗果期长约 1.5 cm。瘦果干时黑色，狭倒卵球形，长约 3.5 mm，宽约 2 mm，被疏柔毛；宿存花柱羽毛状，长约 2.6 cm，毛白色。

四川(Sichuan)：古蔺县(Gulin Xian)，黄荆乡(Huangjing Xiang)，四来桥至黑熊沟(from Silaiqiao to Heixiongou)，28°11'70" N，105°47'17" E，alt. 1 338—1 513 m，常绿阔叶林下(in evergreen broad-leaved forest)，宿存花柱白色，2010-09-08，PE-古蔺考察队(Gulin Expedition of PE)1003(holotype, PE)。

本种与两广铁线莲(*Clematis chingii* W. T. Wang)有亲缘关系，在小叶形状方面极为相似，但本种的小叶上面无毛，不分裂，聚伞花序只有 1 花，瘦果宿存花柱较短，长约 2.6 cm 而不同。在两广铁线莲，小叶上面被糙伏毛，有时三浅裂，花序圆锥状，具多数花，瘦果宿存花柱长约 4 cm(Wang, 2003)。

古蔺铁线莲 图 1: C-F

*Clematis gulinensis* W. T. Wang & L. Q. Li, sp. nov. (sect. *Vionna* (Reichb.) Prantl subsect. *Connatae* Koehne) Fig. 1: C-F

Species nova haec est affinis *C. henryi* Oliv., quae foliis saepe lanceolatis margine minute denticulatis subtus ad nervos sparse puberulis, nervis basalibus 3—5(—7), petiolis 2—6.5 cm longis, cymis vulgo 1-floris ubi 5-floris haud racemiformibus, antheris glabris praeclare recedit.

Liana lignosa. Caulis atro-purpureus, 1—1.4 mm crassus, longitudinaliter 4-vel 6-angulatus, sparse patuleque puberulus, glabrescens. Folia opposita, simplicia; laminae tenuiter coriaceae, ovatae vel anguste ovatae, 4.8—8 cm longae, 1.8—3.6 cm latae, apice acuminatae, basi rotundatae vel late cur-

neatae, margine integrae, supra glabrae, subtus dense puberulae, trinerves, nervis basalibus supra planis subtus leviter prominulis; petioli 0.6—1.2 cm longi, cum pedunculis dense patuleque puberuli. Cymae axillares, nunc 1—3-florae, nunc 5-florae et racemiformes; pedunculi 7—15 mm longi; bracteae oppositae, anguste lanceolato-lineares, 2—6.5 mm longae, puberulae; pedicelli 0.5—5 cm longi, puberuli, terminales haud bracteolati, axillares 2-bracteolati; bracteolae oppositae, anguste lineares vel subulatae, 2—3 mm longae, puberulae. Alabastrum ovoideum, circ. 5 mm longum; sepala 4, valvata, coriacea, elliptico-ovata, intus glabra, extus prope apicem sparse puberula, margine velutina; stamina juvenalia linearia, circ. 3 mm longa, infra medium pubescentia, supra medium antheras includentia dense villosa; carpella perjuvenalia, minuta, circ. 1 mm longa. Achenia bilaterliter compressa, anguste obovata, circ. 3.2 mm longa, 1.5 mm lata, sparse pilosa, stylis persistentibus albo-plumosis circ. 3 cm longis.

木质藤本。茎黑紫色，粗 1—1.4 mm，有 4 或 6 纵棱，疏被开展短柔毛，变无毛。叶对生，为单叶；叶片薄革质，卵形或狭卵形，长 4.8—8 cm，宽 1.8—3.6 cm，顶端渐尖，基部圆形或宽楔形，边缘全缘，上面无毛，下面密被短柔毛，具三出脉，基出脉上面平，下面稍隆起；叶柄长 0.6—1.2 cm，与花序梗均密被开展短柔毛。聚伞花序腋生，有时据 1—3 花，有时具 5 花，并呈总状花序状；花序梗长 7—15 mm；苞片对生，狭披针状条形，长 2—6.5 mm，被短柔毛；花梗长 0.5—5 cm，被短柔毛，顶生者无小苞片，侧生者具 2 小苞片；小苞片对生，狭条形或钻形，长 2—3 mm，被短柔毛。花蕾卵球形，长约 5 mm；萼片 4，镊合状排列，革质，椭圆状卵形，内面无毛，外面近顶端疏被短柔毛，边缘有短绒毛；雄蕊幼，条形，长约 3 mm，中部以下被柔毛，中部以上包括花药密被长柔毛；心皮尚极幼，极小，长约 1 mm。瘦果两侧扁，狭倒卵形，长约 3.2 mm，宽 1.5 mm，被疏毛；宿存花柱羽毛状，长约 3 cm，毛白色。

四川(Sichuan)：古蔺县(Gulin Xian)，黄荆乡(Huangjing Xiang)，28°16'25" N，105°48'34" E，alt. 1 100—1 580 m，山谷林中(under forests in valley)，2010-09-05，PE-古蔺考察队(Gulin Expedition of PE)

of PE)0662(holotype, PE).

本种在亲缘关系方面接近单叶铁线莲(*Clematis henryi* Oliv.),但叶卵形,边缘全缘,下面密被短柔毛,基出脉3条,叶柄较短,长0.6—1.2 cm,聚伞花序有5花时呈总状花序状,花药密被长柔毛而可区别。在单叶铁线莲,叶通常披针形,边缘有小齿,下面只在脉上被疏柔毛,基出脉3—5(—7)条,叶柄长2—6.5 cm,聚伞花序通常有1花,当具5花时,不呈总状花序状,花药无毛(Fang, 1980)。

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