

【原文刊载】“鹤岗延胡索，黑龙江紫堇科一新种”已于“中国知网 (CNKI)”单篇优先数字出版，《广西植物》待刊。

鹤岗延胡索，黑龙江紫堇科一新种

王文采

(中国科学院植物研究所 系统与进化植物学国家重点实验室, 北京 100093)

摘要: 描写了自黑龙江省发现的紫堇科紫堇属一新种, 鹤岗延胡索。此种与新疆元胡相似, 但本种叶的小叶多在顶端具 1~5 牙齿, 花序苞片有 3~5 小裂片, 上花瓣及其瓣片和距均较小, 蜜腺呈狭卵球形, 弯曲, 顶端尖锐而与新疆元胡相区别。

关键词: 紫堇科, 紫堇属, 新种, 黑龙江

中图分类号: Q949 **文献标识码:** A **文章编号:** 1000-3142(2016)增刊 1-0233-03

Corydalis hegangensis, a new species of Fumariaceae from Heilongjiang

WANG Wen-Tsai

(State Key Laboratory of Systematic and Evolutionary Botany, Institute of Botany, Chinese Academy of Sciences, Beijing 100093, China)

Abstract: A species of the genus *Corydalis* (Fumariaceae), *C. hegangensis*, is described as new from Heilongjiang Province. It is similar to *C. glaucescens* Regel, differing in its usually apically 1-5-dentate leaflets, 3-5-lobulate bracts, smaller upper petal with shorter limb and shorter spur, and narrowly and curvedly ovoid nectary.

Key words: Fumariaceae, *Corydalis*, new species, Heilongjiang

鹤岗延胡索 图 1

Corydalis hegangensis W. T. Wang, sp. nov.

Fig. 1. (sect. *Corydalis*)

Ob plantam tubere globoso praeditam, caulem supra basin folio squamiformi unico praeditum, folia biternata, nectarem brevisissimum 1-1.5 mm longum species nova haec est similis *C. glaucescenti* Regel, a qua foliolis plerumque apice 1-5-dentatis, racemi bracteis 3-5-lobulatis, petalo supero minore 18 mm longo cum limbo 11 mm longo et calcaribus 7 mm longo, nectare anguste et curvate ovoideo apice acuto differt. In *C. glaucescente*, foliola plerumque 3-fida vel 3-partita, racemi bractee indivisae, petalum superum majus 20-50 mm longum cum limbo

10-11 mm longo et calcaribus 10-14 mm longo, et nectar filioforme rectum apice obtusum est.

Herbs perennial, glabrous, tuber-bearing. Tuber globose, ca. 1.8 cm in diam. Stem ca. 12 cm tall, below scale-like leaf downwards thinning, with one scale-like leaf and three true leaves, from axil of the scale-like leaf with one flowering branch ca. 8 cm long. Scale-like leaf papery, narrowly ovate, ca. 2 × 0.85 cm, apex slightly acute, margin entire. Leaves bi-ternate, petiolate; blade broadly rhombic in outline, 3-6 × 3.2-4.5 cm; leaflets long or shortly petiolulate, rarely sessile, obovate or cuneate-obovate, rarely elliptic, 0.64-2.4 × 0.25-1.3 cm, apex subtruncate and 1-5-dentate, rarely

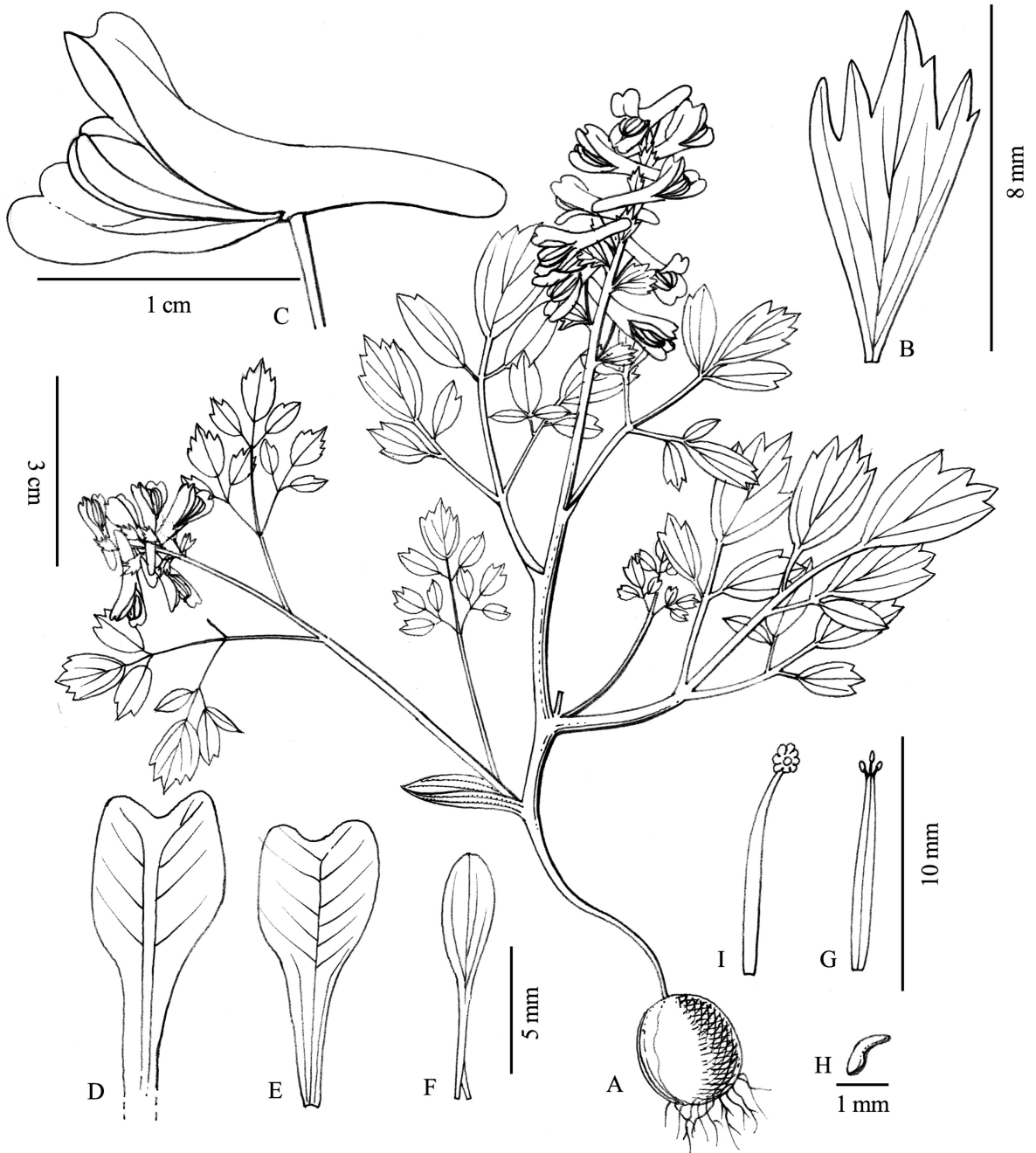


图 1 鹤岗延胡索 A. 植株全形; B. 苞片; C. 花; D. 上花瓣瓣片; E. 下花瓣; F. 内花瓣; G. 雄蕊束; H. 蜜腺; I. 雌蕊。

Fig. 1 *Corydalis hegangensis* A. Habit; B. Bract; C. Flower; D. Limb of upper petal; E. Lower petal; F. Inner petals; G. Stamen bundle; H. Nectary; I. Pistil. (from holotype)

acute and entire, base cuneate, with petiolules 0.1–1.8 cm long; petioles 1.2–2 cm long. Racemes terminal, that of stem 3.5 cm long, densely 8-flowered, that of branch 1 cm long, densely 4-flowered; bracts cuneate-obovate or broadly rhombic, 6–11 × 3–4.5 mm, apex with 3–5 narrowly triangular or linear lobules unequal in size; pedicels (2-)4–7 mm long. Flower: Sepals cadu-

cous, unknown. Petals purple (?), not crested; upper petal ca. 18 mm long, with limb obtuse-trapeziform, 11 × 5 mm, at apex subtruncate and retuse, and spur tubular, ca. 7 mm long, 1.8–2 mm in diam., straight; lower petal similar to upper petal both in shape and size, above base slightly saccate; inner petals ca. 11 mm long, with limbs coherent apically, narrowly elliptic-ob-

ovate, 6×2.2 mm, and claws slender, ca. 5mm long. Stamens with filaments thinly membranous, lanceolate-linear. ca. 8×0.8 mm, longitudinally 1-nerved and anthers yellowish, narrowly oblong, 0.6–0.8 mm long. Nectary black, narrowly ovoid, ca. 1.2 mm long, slightly curved, at apex acute. Pistil 8–9.5 mm long; ovary green, linear, $5-5.5 \times 0.5-0.7$ mm; style ca. 2.5 mm long; stigma orbicular, ca. 1.2 mm in diam., with 8 dense yellowish subglobose tubercles. Capsule unknown.

黑龙江 (Heilongjiang): 鹤岗市, 鹤北 (Hegang Shi, Hebei), 鹤北林业局, 北影场, 河岸草地 (Hebei Forestry Bureau, Beiyinchang, in grassy place on river bank), 1995-07-15, 东北林学院植物调查队 (Pl. Exped. from N.-E Forest. Inst.) 9531023 (holotype, PE).

本种的植株具球形块茎, 茎基部之上具一鳞片

(上接第 173 页 Continue from page 173)

lares, 0.6–1 mm longae, glabrae, albae, majores superne brunneolae, vel virides, ciliolatae. Flos pistillatus breviter crasseque pedicellatus; tepala 5, leviter inaequalia, subaequilongae, ovata vel anguste ovata, ca. 0.38 mm longa, basi connata, dorso leviter sub apice 1–4-pileata, pileolis 0.1–0.25 mm longis subhyalinis; pistillum ca. 0.3 mm longum, ovario ovoideo ca. 0.26 mm longo, stigmatibus minuto breviter penicillato.

Habitu *Pellionia cephaloidea* W. T. Wang est simillima *P. scabrae* Benth. (sect. *Pellionia*), quae inflorescentiis pistillatis dense cymosis receptaculis et involucris carentibus, floris pistillatis tepalis valde inaequalibus 2–3 majoribus navicularibus dorso leviter sub apice longe corniculatis ceteris minoribus planis ellipticis haud corniculatis (Fig. 1: H) praeclare distinguitur. Species duae hae fortasse ex eodem generis auctore extincto oriundae fuerunt.

Additional specimen examined. Hunan: Heng Shan, Yubanjiao (玉板桥), alt. 350 m, 1996-03-14, J. L. Xia (夏江林) 59(PE).

致谢 蒙孙英宝先生为本文绘图, 并协助浸泡花序等工作, 作者谨表示衷心感谢。

状叶, 蜜腺极短, 长在 1~1.5 mm 之间, 因此与也具有上述形态特征的新疆元胡 (*Corydalis glaucescens* Regel) 相似, 与后者的区别在于本种叶的小叶多在顶端具 1~5 枚牙齿, 花序苞片顶端有 3~5 枚小裂片, 上花瓣较小, 长 18 mm, 其瓣片长 11 mm, 其距长 7 mm, 蜜腺狭卵球形, 弯曲, 顶端尖锐。在新疆元胡, 叶的小叶多为三中裂或三深裂, 花序苞片不分裂, 上花瓣较大, 长 20~25 mm, 其瓣片长 10~11 mm, 其距长 10~14 mm, 蜜腺呈丝形, 直, 顶端钝 (吴征镒等, 1999)。

致谢 深切感谢孙英宝先生为本文绘图。

参考文献:

- WU CY, CHUANG H, SU ZY, 1999. *Corydalis* [M]//Flora Reipublicae Popularis Sinicae. Beijing: Science Press. 32: 96–481. [吴征镒, 庄璇, 苏志云, 1999. *Corydalis* [M]//中国植物志. 北京: 科学出版社, 32: 96–481.]

参考文献:

- HUTCHINSON J, 1968. *Pellionia*. The genera of flowering plants [M]. London: Oxford university Press, 2: 184.
- LIN Q, DUAN LD, LI MH, 2002. A new synonym of *Pellionia scabra* Benth. [J]. Acta Phytotax Sin, 40(5): 477–479. [林祁, 段林东, 李明红, 2002. 蔓赤车的一个新异名 [J]. 植物分类学报, 40(5): 477–479.]
- LIN Q, FRIIS I, WILMOT-DEAR CM, 2003. *Pellionia* [M]//WU ZY, RAVEN PH (eds). Flora of China. Beijing: Science Press; St. Louis: Missouri Botanical Garden Press, 5: 122–127.
- SCHÖRTER H, WINKLER H, 1936. Subgen. *Pellionia*. Monographie der Gattung *Elatostema* s. 1 [M]. Repert Sp Nov Reg Veg Beih, 83(2): 1–174.
- WANG WT, 1980. Classificatio specierum sinensium *Pellionae* (Urticaceae) [J]. Bull Bot Lab N-E Fore Inst, 6: 45–66. [王文采, 1980. 中国荨麻科赤车属分类 [J]. 东北林学院植物研究室汇刊, 6: 45–66.]
- WANG WT, 1995. *Pellionia*. Flora Republicae Popularis Sinicae [M]. Beijing: Science Press, 23(2): 160–187. [王文采, 1995. 中国植物志 [M]. 北京: 科学出版社, 23(2): 160–187.]
- WANG WT, 2009. On some botanic terms III [J]. Guihaia, 29(1): 1–6. [王文采, 2009. 关于一些植物学术语的中译等问题(三) [J]. 广西植物, 29(1): 1–6.]
- WEDDELL HA, 1869. *Pellionia* [M]//DE CANDOLLE A (ed). Paris: Prodromus systematis naturalis regni vegetabilis, 16(1): 165–170.