

中国广西蛛毛苣苔属(苦苣苔科)一新种 ——桂林蛛毛苣苔

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Paraboea guilinensis L. Xu & Y. G. Wei, a new species of Gesneriaceae from Guangxi, China

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Abstract A new species of Gesneriaceae, *Paraboea guilinensis* L. Xu & Y. G. Wei, is described from Guangxi, China. The new species is similar to *P. crassifolia* (Hemsl.) Burt in its habit and leaf form, but differs by its leathery leaves, glabrous peduncles, pedicels and calyx, distinctly bilabiate corollas, and capsules not spirally twisted.

Key words *Paraboea*, *Paraboea guilinensis* L. Xu & Y. G. Wei, Gesneriaceae, new species, Guangxi, China.

摘要 描述了采自中国广西的苦苣苔科新种桂林蛛毛苣苔 *Paraboea guilinensis* L. Xu & Y. G. Wei。新种体态及叶形接近厚叶蛛毛苣苔 *P. crassifolia* (Hemsl.) Burt, 与后者不同在于叶革质, 花序梗、花梗及花萼均无毛, 花冠明显二唇形, 蒴果不旋扭。

关键词 蛛毛苣苔属; 桂林蛛毛苣苔; 苦苣苔科; 新种; 广西; 中国

1995年4月20日, 韦毅刚和钟树华在广西桂林市南郊大埠乡江岸附近石灰岩山地采到一种形态奇特的蛛毛苣苔属 *Paraboea* (Clarke) Ridley 植物, 当时该种正值花期, 植株上还存留着去年宿存的果实。此后作者继续对该种植物做野外补充调查并进行引种栽培观察。进一步研究表明该种植物与蛛毛苣苔属已知种类 (Burt, 1984; Pan, 1990; Xu & Burt, 1991; Xing & Li, 1993; Fang et al., 1995; Li, 1996; Weitzman et al., 1997; Wang et al., 1998; Nguyen & Kiew, 2000) 不同, 为一个尚未记载的新种。现将其报道如下。

桂林蛛毛苣苔 新种 图 1

Paraboea guilinensis L. Xu & Y. G. Wei, sp. nov. Fig. 1

Species nova affinis *P. crassifoliae* (Hemsl.) Burt, sed foliis coriaceis, pedunculis, pedicellis calyceque glabro, corolla conspicue bilabiata, capsulis haud spiraliter tortis differt.

Herba perennis vel suffrutex humilis. Caulis teres, simplex vel ramosus, 2-10 cm longus, 4-5 mm crassus. Folia basalia vel ad apicem caulis conferta, petiolata; laminae coriaceae, obovato-ellipticae vel ellipticae, 2.8-5.8 cm longae, 1.5-2.2 cm latae, apice rotundatae, basi

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图1 桂林蛛毛苣苔 A. 主模式(韦毅刚, 钟树华 95-14, IBK)。B. 同号模式(韦毅刚, 钟树华 95-14, IBK)。×0.24。
Fig. 1. *Paraboea guilinensis* L. Xu & Y. G. Wei. A, Holotype(Y. G. Wei & S. H. Zhong 95-14, IBK). B, Isotype(Y. G. Wei & S. H. Zhong 95-14, IBK), ×0.24.

rotundatae vel late cuneatae, margine involutae, denticulatae, supra primo cineraceo-lanatae, deinde subglabrae, subtus densissime fumigato-arachnoideo-lanatae, nervis lateralibus utrinque 5 – 6, cum costa media supra leviter impressis, subtus prominulis; petioli 1.4 – 3 cm longi, 1.5 – 2 mm crassi, brunneo-lanati, basi dense atro-brunneo-lanati. Cymae 5 – 7 axillares, 1 – 2-ramosae, 3 – 5-florae; pedunculi 3.5 – 6.5 cm longi, glabri, purpureo-brunnei; bractae non visae; pedicelli filiformes, 1 – 2 cm longi. Calyx ad basin 5-sectus, segmentis inaequalibus linearilanceolatis, 1.8 – 2.1 mm longis, 0.5 – 0.7 mm latis, glabris. Corolla caeruleo-purpurea, glabra, 1.3 – 1.5 cm longa, circ. 1 cm diam., tubo 6 – 8 mm longo, ore circ. 6 mm diam., limbo bilabiato patente, labio postico 2-fido, lobis aequalibus oblongis, 3.5 – 4.5 mm longis, 2 – 3 mm latis, labio antico 3-fido, lobis suborbicularibus, 5 – 7 mm longis, 6 – 7.5 mm latis. Stamina 2, glabra, inclusa, circ. 0.7 mm prope corollae basin inserta, filamentis anguste linearibus, 4.5 – 5 mm longis, superne turgidis, prope medium geniculatis, inferne angustatis, antheris per paria omnino cohaerentibus, ellipsoideis, 2.5 mm longis, 1.5 mm latis, flavis. Staminodia 2, filiformia, 0.5 mm supra corollae basin adnata, 1.2 mm longa, glabra. Discus nullus. Pistillum 6 – 6.5 mm longum, glabrum, ovario lineari, 2.8 – 3 mm longo, 0.4 mm lato, stylo 3.2 – 3.5 mm longo, stigmate depresso capitato indiviso. Capsulae lineares, 2 – 2.8 cm longae, 2 – 2.4 mm latae, glabrae, maturitate in valvas 4 dehiscentes, non tortae. Fl. Apr. Fr. May.

China. Guangxi (广西): Guilin (桂林), Dabuxiang (大埠乡), on rocky cliff in limestone hill, 1995-04-20, Y. G. Wei & S. H. Zhong (韦毅刚, 钟树华) 95-14 (holotype, here designated, IBK; isotype, IBK).

多年生草本或矮小亚灌木。茎长 2–10 cm μ –5 mm 粗,不分枝或分枝。叶基生或聚生于茎枝顶端,具柄;叶片革质,倒卵状椭圆形或椭圆形,长 2.8–5.8 cm,宽 1.5–2.2 cm,先端圆,基部圆形至宽楔形,边缘内卷,具小牙齿,上面深绿色,初被灰白色绵毛,后近无毛,下面被淡褐色蛛丝状绵毛,侧脉每边 5–6 条,与中脉在上面微凹,于下面隆起;叶柄长 1.4–3 cm,粗 1.5–2 mm,密被褐色绵毛,基部密被暗褐色绵毛。聚伞花序 5–7 条,腋生,一至二回分枝,每花序具 3–5 花;花序梗纤细,长 3.5–6.5 cm,无毛,紫褐色,苞片未见;花梗丝状,长 1–2 cm。花萼 5 裂至基部,裂片不相等,线状披针形,长 1.8–2.1 mm,宽 0.5–0.7 mm,全缘,无毛。花冠蓝紫色,无毛,长 1.3–1.5 cm,直径约 1 cm,筒长 6–8 mm,口部直径约 6 mm,檐部二唇形,开展,上唇 2 裂,裂片长圆形,长 3.5–4.5 mm,宽 2–3 mm,下唇 3 裂,裂片近圆形,长 5–7 mm,宽 6–7.5 mm。雄蕊 2,无毛,着生于冠筒基部上方约 0.7 mm 处,内藏;花丝狭线形,长 4.5–5 mm,上部稍粗,近中部膝状弯曲,下部变狭;花药椭圆形,长 2.5 mm,宽 1.5 mm,成对以腹面连着,药室汇合,黄色,退化雄蕊 2 丝状,长 1.2 mm,着生于花冠基部上方 0.5 mm 处。无花盘。雌蕊无毛,长 6–6.5 mm;子房线形,长 2.8–3 mm,宽 0.4 mm;花柱纤细,长 3.2–3.5 mm;柱头 1,扁头状,不分裂。蒴果线形,长 2–2.8 cm,宽 2–2.4 mm,无毛,成熟后 4 瓣裂,不旋扭。花期 4 月,果期 5 月。

该种体态及叶形与厚叶蛛毛苣苔 *P. crassifolia* (Hemsl.) Burt 相近似,但叶革质,花序梗、花梗及花萼无毛,苞片退化,花冠明显二唇形,上唇裂片长圆形,下唇裂片近圆形,蒴果不旋扭;后者叶厚纸质,花序梗、花梗及花萼外面均被淡褐色蛛丝状绵毛,苞片长 2–5 mm,花冠稍呈二唇形,裂片均近圆形,宽过于长,蒴果旋扭,显然不同。新种仅见于桂林市大埠乡一处石灰岩山地崖壁,根据 2004 年跟踪调查,该居群仅存 20 余株。

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