

广西半蒴苣苔属(苦苣苔科)一新种 ——红苞半蒴苣苔

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Hemiboea rubribracteata Z. Y. Li & Yan Liu, a new species of *Hemiboea* (Gesneriaceae) from Guangxi, China

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Abstract A new species of Gesneriaceae, *Hemiboea rubribracteata* Z. Y. Li & Yan Liu, is described from Guangxi, China. The new species is similar to *H. cavaleriei* Lévl. in its leaf form, but differs by its robust and rigid stem, red involucre, longer calyx lobes, corolla white and glabrous outside, lower lip of corolla 3-lobed to middle.

Key words *Hemiboea*, *Hemiboea rubribracteata* Z. Y. Li & Yan Liu, Gesneriaceae, new species, Guangxi, China.

摘要 报道了在广西发现的苦苣苔科半蒴苣苔属 *Hemiboea* 一新种,即红苞半蒴苣苔 *H. rubribracteata* Z. Y. Li & Yan Liu。该新种叶形与贵州半蒴苣苔 *H. cavaleriei* Lévl. 相近,不同在于茎较粗且坚硬,总苞红色,萼片较长,花冠外面白色,无毛,下唇3裂至中部。

关键词 半蒴苣苔属;红苞半蒴苣苔;苦苣苔科;新种;广西;中国

本文第二作者在最近的广西岩溶洞穴植物考察中,在靖西县古龙山采集到一种稀有的苦苣苔科 Gesneriaceae 半蒴苣苔属 *Hemiboea* Clarke 植物,并对其进行了野外定点观察和引种栽培。该类型在有关论著(李振宇,1983,1987;王文采等,1990;韦毅刚,文和群,1995;Wang et al.,1998)中尚无记载。经鉴定,该种为半蒴苣苔属一新种,现报道如下。

红苞半蒴苣苔 新种 图 1

Hemiboea rubribracteata Z. Y. Li & Yan Liu, sp. nov. Fig. 1

Affinis *H. cavaleriei* Lévl., a qua cauli robusto 10-13 mm crasso, rigido, involucro rubro, calycis segmentis longioribus 8-15 mm longis, corolla extus alba glabra, labio antico ad medium 3-lobato.

Herba perennis vel suffrutex. Caules ascendentes, subteretes, 0.4-1.5 m alti, 10-13 mm crassi, rigidi, purpureo-punctati glabri, simplices vel ramosi, superne foliis 3-10-jugis praediti, nodis 5-25. Folia opposita; laminae in vivo leviter succulentae, in sicco herbaceae, oblongo-lanceolatae vel ovato-lanceolatae, 4-18 cm, longae, 3-10 cm latae, apice acuminatae vel



图1 红苞半蒴苣苔 A, 花枝; B, 花萼; C, 花冠、雄蕊和退化雄蕊; D, 花盘与雌蕊; E, 蒴果。(何顺清根据刘演 L0997 (A-D) 和李振宇 11352 (E) 号标本绘)

Fig. 1. *Hemiboea rubibracteata* Z. Y. Li & Yan Liu. A, flowering branch; B, calyx; C, corolla opened with stamens and staminodes; D, disc and pistil; E, capsule. Drawn by S. Q. He from Yan Liu L0997 (A-D) and Z. Y. Li 11352 (E).

acutae, basi cuneatae vel anguste cuneatae, valde obliquae, margine multi-serratae vel repando-crenatae, supra saturate virides, subtus pallidae, utrinque glabrae vel secus costam nervosque laterales sparse puberulae, nervis lateralibus utrinsecus 6–15, circum fasciculum vascularem costae sclereidibus vermicularibus praeditae; petioli 1–4.5 cm longi, glabri. Cymae axillares vel subterminales, 6–9 vel pluri-florae; pedunculi robusti, 3–9 cm longi, glabri purpureo-punctati; involucri subglobosa, apiculata, 2.2–3.5 cm diam., rubra, glabra; pedicelli 3–5 mm longi glabri. Calyx albus, roseus vel lilacinus, glaber, in sicco membranaceus, ad basin 5-sectus, segmentis oblongis vel linearibus, 8–15 mm longis, 2–4 mm latis, apice acutis. Corolla alba, intus prope faucem lilacino-striata, 3.5–5.5 cm longa, extus glabra, intus puberula et glanduloso-puberula, ad 5–7 mm supra basin corollae pilorum annulo praedita, tubo infundibuliformi-tubulari 2.5–4 cm longo supra basin 4–6 mm diam. ore 10–15 mm diam., labio postico 6–10 mm longo 2-partito, lobis semiorbicularibus, labio antico 10–15 mm longo ad medium 3-lobato, lobis inaequalibus, eo centrali suborbiculari, eis lateralibus late ovatis. Stamina 2, glabra, inclusa, 9–10 mm prope corollae basin inserta, filamentis anguste linearibus 10–15 mm longis, antheris ovato-ellipticis 2–3 mm longis apice cohaerentibus. Staminodia 3, ad 10–11 mm supra basin corollae inserta, glabra; ea lateralia anguste linearia, 8–10 mm longa, apice minute capitata, cohaerentia; id medium lineare, circ. 3 mm longum, apice truncatum. Discus annularis, 1.2–1.5 mm altus. Pistillum 2–2.8 cm longum, glabrum, ovario lineari, 5–6 mm longo, stigmatibus subtruncato. Capsulae 14–18 mm longae, circ. 4 mm latae, glabrae. Fl. Jun. – Oct. Fr. Aug. – Dec.

多年生草本或半灌木。茎上升,近圆柱形,高0.4–1.5 m,粗壮,直径10–13 mm,坚硬,散生紫斑,无毛,不分枝或分枝,具5–25节,上部具3–10对叶。叶对生,叶片新鲜时稍肉质,干后草质,长圆状披针形或卵状披针形,长4–18 cm,宽3–10 cm,先端渐尖或急尖,基部楔形或狭楔形,常不相等,边缘具多数锯齿或浅钝齿,上面深绿色,下面淡绿色,两面无毛或仅脉上疏生短柔毛,蠕虫状石细胞嵌生于维管束周围,侧脉每侧6–15条;叶柄长1–4.5 cm,无毛。聚伞花序腋生或假顶生,具6–9或更多花,花序梗粗壮,长3–9 cm,无毛,散生紫斑。总苞近球形,先端具小尖头,红色,直径2.2–3.5 cm,无毛;花梗长3–5 mm。萼片5,白色、粉红色或淡紫色,无毛,长圆形至线形,长8–15 mm,宽2–4 mm。花冠外面白色,喉部内面具淡紫色条纹,长3.5–5.5 cm,外面无毛,筒长2.5–4 cm,内面疏生短柔毛和腺状短柔毛,基部上方5–7 mm处有一毛环,口部直径10–15 mm,基部上方直径4–6 mm;上唇长6–10 mm,2深裂,裂片半圆形,下唇长10–15 mm,3中裂,裂片不相等,中裂片近圆形,侧裂片宽卵圆形。雄蕊2,着生于距花冠基部9–10 mm处,无毛,内藏,花丝狭线形,长10–15 mm;花药卵状椭圆形,长2–3 mm,顶端连着,退化雄蕊3,着生于距花冠基部10–11 mm处,无毛,中间1个线形,长约3 mm,顶端截形,侧面2个狭线形,长8–10 mm,顶端小头状,连着。花盘环状,高1.2–1.5 mm。雌蕊长2–2.8 cm,无毛,子房线形,长5–6 mm,柱头近截形。蒴果长14–18 mm,宽约4 mm。花期6–10月,果期8–12月。

China. Guangxi (广西): Jingxi (靖西), Hurun (湖润), Gulongshan (古龙山), on limestone in valley, alt. 550 m, 2004-06-21, Yan Liu (刘演) L0997 (holotype, IBK; isotype, PE); Guilin (桂林), Yanshan (雁山), cultivated, introduced by Yan Liu from the type locality, 2004-06-12, Yan Liu (刘演) L0977 (IBK), 2004-07-14, Yan Liu (刘演) L1010 (IBK); the same locality, 2004-04-25, Z. Y. Li (李振宇) 11352 (PE).

本种与贵州半蒴苣苔 *H. cavaleriei* Lévl. 相近, 不同在于茎粗壮, 直径 10 – 13 mm, 坚硬, 总苞红色, 萼片较长, 8 – 15 mm, 花冠白色, 外面无毛, 下唇 3 中裂。后者茎较细而柔软, 总苞绿色或褐绿色, 萼长 5 – 7 mm, 花冠通常淡黄色, 外面疏生腺状短柔毛, 下唇 3 浅裂。

该种目前仅发现一个居群, 个体总数不足 60 株, 生于石灰岩山地峡谷疏林中潮湿岩石上, 附近常见树种有董棕 *Caryota urens* L., 菜豆树 *Radermachera sinica* (Hance) Hemsl. 和蚬木 *Excentrodendron hsienmu* (Chun & How) H. T. Chang & R. H. Miao 等。

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