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A New Species of Paraboea from Hainan

[121]

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LI Ze-Xian

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Keywords: *Paraboea*; *P. changjiangensis*: New species

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"The Chang Jiang [Yangtze River] Paraboea" New species Figure 1

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Paraboea changjiangensis Xing et Z. X. Li, sp. nov.

.....

Hainan: ... Z. X. Li (Li Zexian) & F. W. Xing (Xing Fuwu) ...

[122]

Figure 1 *Paraboea changjiangensis* Xing et Z. X. Li

1. Habit; 2. calyx outer view; 3. flower; 4. corolla opened showing stamens; 5. pistil; 6. stamen; 7. capsule; 8. seed. (Drawn by Deng Pinfa)

This species is related to *P. swinhoii* (Hance) Burtt, but can be distinguished by its serrulate leaf margins, umbellate cymes, axillary, corolla light purple, corolla lobes relatively long, and capsules relatively short, only 0.8-1.5 cm long.

Subshrub, 4-40 cm tall, stem terete [columnar?], unbranched, with dense _____ indument. Leaves opposite, thin chartaceous, elliptic or oblong, 2-7 cm long, 1-3 cm broad, apex acute, base _____, upper side densely puberulent, lower side with dense _____ indument, margin crenate, midvein somewhat emersed on the upper side, emersed on the lower side, lateral veins 5-7(8) on each side, upper side _____ or somewhat emersed; petioles 1-2.5 cm long, with dense _____ indument, inner margin _____. Cymes umbellate,

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axillary, 5-10-flowered; peduncles 4-5 cm long, sometimes densely puberulent, later becoming glabrous; bracts small, caducous [?]; pedicels ca. 0.5-1 cm long and puberulent. Calyx campanulate, of 5 lobes divided to the base,

griffithii) 的区别为全株被白色长柔毛且苞片红色(幼小标本)。

致谢 本工作承蒙 BM, BNU, E. K. KUN, PE 等标本馆室在鉴定上提供方便; 承蒙 A(GH), G. LE. NY, P. UPS, W. WU, XJA, XJBI 等惠借标本; David E. Boufford(A), 赵淑妙, 林淑芊, (HAST), Roger M. Porhill(K), 和 M. Gilbert 提借资料, 夏振岱女士全力协助。

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海南蛛毛苣苔属—新种

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A NEW SPECIES OF PARABOEA FROM HAINAN ISLAND

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关键词 蛛毛苣苔属; 昌江蛛毛苣苔; 新种

Key words *Paraboea*; *P. changjiangensis*; New species

昌江蛛毛苣苔 新种 图 1

Paraboea changjiangensis Xing et Z. X. Li, sp. nov.

Species *P. swinhoii* (Hance) Burt affinis, sed foliis margine obtuse dentatibus, cymis umbelliformibus axillaribus, corollis lilacino-albis, lobis corollarum longioribus, capsulis brevioribus tantum 0.8—1.5 cm longis differt.

Suffrutex 9—40 cm altus. Caulis simplex cylindricus, dense cinereo-lanatus. Folia opposita, crasse papyracea, elliptia vel oblonga, 2—7 cm longa, 1—3 cm lata, apice obtusa, basi cuneata, supra dense pubescentia, subtus densissime cinereo-lanata, margine obtuse dentata, costa supra prominula subtus prominenti, nervis lateralibus 5—7(8)-jugis supra planis vel prominulis; petioli 1—2.5 cm longi, dense cinereo-lanati, intus canaliculati. Cymae umbelliformes axillares, 5—10-florae; pedunculi 4—5 cm longi, juventute dense puberuli post glabrescentes; bractae minutae, caducae; pedicelli 0.5—1 cm longi puberuli. Calyx campanulatus, prope basin 5-sectus, segmentis lanceolatis 1.5—2 mm longis, 0.5—1 mm latis, extus puberulis. Corolla lilacino-alba, tubo 3—5 mm longo, limbo bilabiato patenti, labio postico 2-fido, lobis aequalibus ovatis c. 3—3.5 mm longis, 2—2.5 mm latis, apice obtusis, labio antico 3-fido, lobis inaequalibus, eo centrali longiore c. 5 mm longo, apice obtuso leviter sinuoso, eis lateralibus oblongis c. 3 mm longis, 2.6 mm latis. Stamina 2, inclusa filamentis complanatis c. 1.5—2 mm longis, prope corollae basin insertis, antheris oblongis c. 2—2.5 mm longis apice cohaerentibus; staminodia 2, prope corollae basin

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inserta. Discus nullus. Pistillum c. 9mm longum, glabrum, ovario oblique oblongo cum stylo 9 mm longo, stigmatibus indiviso. Capsula lineari-subulata c. 0.8—1.5 cm longa 1.5—2 mm lata, valde torta, lucida; seminibus oblongis vel ovatis c. 0.4 mm longis, testa nitida.

Hainan (海南): Changjiang xian (昌江县), Wang-xia (王下), alt. 600m, on calcareous formations, Jul. 25, 1989. Z. X. Li (李泽贤) & F. W. Xing (邢福武) 5134 (Typus SCBI); same locality, Sept. 30, 1989, F. W. Xing 5142.

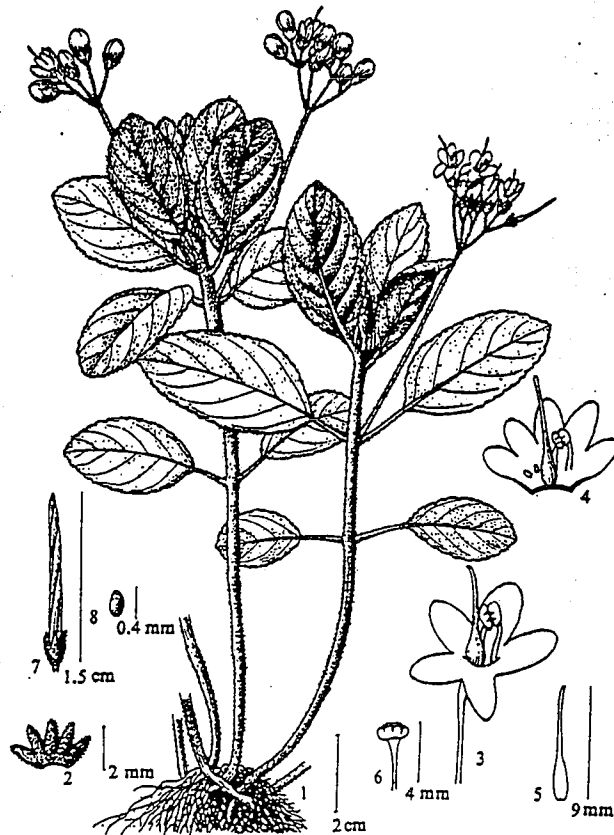


图1 昌江蛛毛苣苔 *Paraboea changjiangensis* Xing et Z. X. Li

1.植株; 2.花萼外观; 3.花; 4.花冠展开示雄蕊着生; 5.雌蕊;
6.雄蕊; 7.蒴果; 8.种子。(邓品发绘)

本种与锥序蛛毛苣苔 *P. swinhoii* (Hance) Burtt 近缘, 不同在于叶缘具钝牙齿, 聚伞花序伞形, 腋生, 花冠淡紫白色, 花冠裂片较长, 蒴果较短, 长仅 0.8—1.5cm, 易于区别。

亚灌木, 高 4—40 cm, 茎圆柱形, 不分枝, 密被灰绵毛。叶对生, 厚纸质, 椭圆形或长圆形, 长 2—7cm, 宽 1—3cm; 先端钝, 基部楔形, 上面密被短柔毛, 下面密被灰绵毛, 边缘具钝牙齿, 中脉在上面稍凸起, 下面凸起, 侧脉每边 5—7 (8) 条, 上面平坦或稍凸起; 叶柄长 1—2.5 cm, 密被灰绵毛, 内侧具槽。聚伞花序伞形, 腋生, 具花 5—10 朵; 总花梗长 4—5cm, 幼时密被短柔毛, 后变无毛; 苞片小, 早落; 花梗长约 0.5—1cm, 被短柔毛。花萼钟状, 5 裂至基部, 裂片披针形, 长 1.5—2 mm, 宽 0.5—1 mm, 外面被短柔毛。花冠淡紫白色, 筒长 3—5 mm, 冠檐两唇形, 伸展, 上唇两裂, 裂片等长, 卵形, 长约 3—3.5

mm, 宽 2—2.5 mm, 先端钝, 下唇三裂, 裂片不等长, 中间的 1 片较长, 长达 5mm, 先端钝, 微波状, 侧边的一对长圆形, 长约 3 mm, 宽 2.6 mm。雄蕊 2, 内藏; 花丝扁平, 长 1.5—2 mm, 近花冠基部着生, 花药长圆形, 长 2—2.5 mm, 顶端连着; 退化雄蕊 2, 近花冠基部着生; 花盘缺。雌蕊长约 9mm, 无毛, 子房斜长圆形, 连花柱长约 9mm, 柱头不分裂。蒴果线状钻形, 长约 0.8—1.5 cm, 宽 1.5—2 mm, 极扭曲, 具光泽; 种子长圆形或卵形, 长约 0.4 mm, 外种皮具光泽, 花期 7 月, 果期 9 月。

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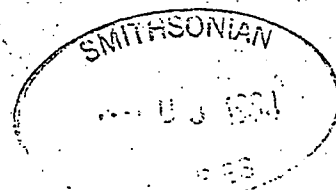
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