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金盞苣苔属一新种*

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A NEW SPECIES OF *ISOMETRUM* CRAIB

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Key words *Isometrum*; *I. nanchuanicum*

关键词 金盞苣苔属; 南川金盞苣苔

南川金盞苣苔 图 1: 1—7

Isometrum nanchuanicum K. Y. Pan et Z. Y. Liu sp. nov.

Affine *I. fargesii* (Franch.) Burtt, a quo foliis ovatis, 2.2—6 cm longis, 1.2—3.6 cm latis, basi cordatis, margine serratis, petiolis longioribus, 1.2—8.3 cm longis, pedunculis, pedicellis cum calycibus brunneo-puberulis et glanduloso-puberulis, corollis urceolatis faucibus constrictis, labiis posticis 2-sectis lobis oblongis circ 2.2 cm longis differt.

Herba perennis acaulis. Rhizoma circ. 1.5 cm longum, circ. 4 mm diam. Folia omnia basalia, petiolata, laminae ovatae 2.2—6 cm longae, 1.2—3.6 cm latae, apice acutae, basi cordatae obliquae, margine serratae, supra cinereo-albae pubescentes, subtus brunneo-puberulae, nervis lateralibus utrinque 3—5, supra conspicuis subtus leviter prominulis; petioli 1.2—8.3 cm longi, circ. 2 mm diam. brunneo-puberuli. Cymae vel dichasia 1—2, 3—7-flora; pedunculi 8.8—11.5 cm longi, brunneo-puberuli et glanduloso-puberuli; bractae 2 (—3), lineares, 4—5 mm, longae, 2 mm latae, brunneo-puberulae; pedicelli 1.2—3 cm longi, brunneo-glanduloso-puberuli. Calyx campanulatus, ad basin 5-sectus, segmentis lanceolatis, 3—4 mm longis, circ. 1 mm latis, apice acuminatis, regularibus extus brunneo-puberulis, intus glabris. Corolla urceolata, purpureo-brunnea, 8—9 longa, glabra, fauce constricta, tubo 6—7 mm longo, 5—6.5 mm diam., limbo bilabiato, labio postico labio an-

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tico longius, 3—4 mm longo, 2-sectis, lobis oblongis, circ. 2.2 mm longis, circ. 2.2 mm latis, labio antico circ. 1.9 mm longo, 3-fido, lobis late ovatis, 1.2 mm longis, 1.2 mm latis. Stamina 4, glabra, ea postica 4.4—5.5 mm longa, ad 1.2—2 mm supra corollae basin inserta, ea antica 4—5 mm longa, ad 1.4—3.4 mm supra corollae basin inserta, filamentis

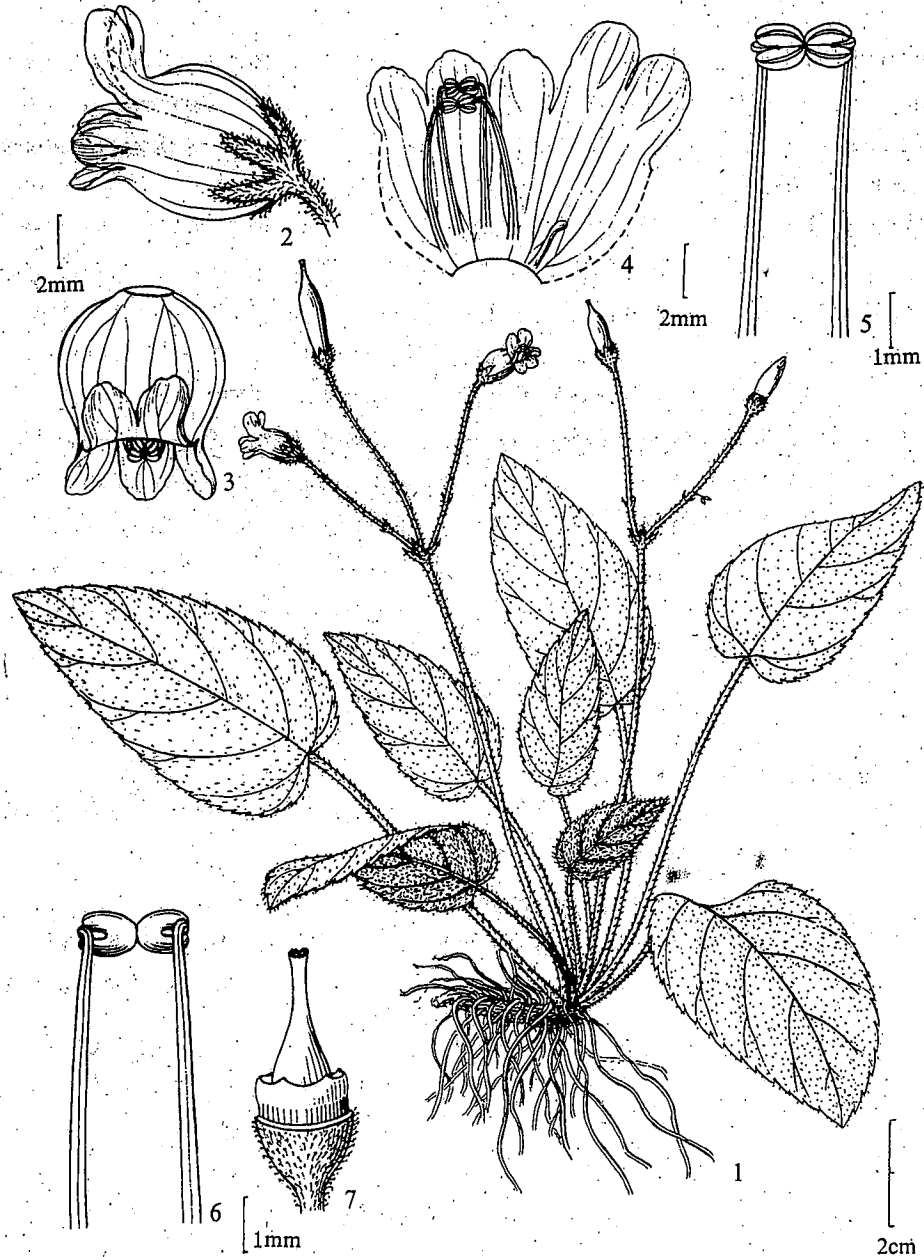


图1 南川金盏苣苔 1. 植株全形; 2, 3. 花冠; 4. 花冠打开; 5, 6. 雄蕊; 7. 花盘及雌蕊 (张泰利绘).
Fig. 1 *Isometrum nanchuanicum* K. Y. Pan et Z. Y. Liu, 1. habit; 2, 3. corolla; 4. corolla opened up, showing stamens; 5, 6. stamens; 7. flower with corolla and calyx removed, showing disk and pistil.

apice cum antheris sub angulo recto abrupte curvatis, antheris ovatis, 0.4 mm longis, per paria apice cohaerentibus, loculis haud confluentibus. Staminiodium 1, circ. 0.7 mm longum, ad 0.2 mm supra corollae basin insertum. Discus annularis, ad 2—2.4 mm altus, circ. 1.2 mm diam, margine sinuolatus. Pistillum glabrum, calyce longius, ovario oblongo, 2.8—3 mm longo, 1.3—1.6 mm diam, stylo 1 mm longo, stigmatibus leviter concavis. Capsulae oblanceolatae, 2.7 cm longae, 2.5 mm latae.

Sichuan (四川): Nanchuan (南川), Jinfu Mt. (金佛山) Banhe (半河), Laolongdong (老龙洞), on rocks by stream, alt. 720 m, 15—20 cm high, corolla purple-brown, 1990-10-23, Liu Zhen-yu (刘振宇), 12936 (holotype PE); Jinfu Mt. (金佛山), 1993-08-12, Liu Zhen-yu (刘振宇) s. n. (PE).

多年生无茎草本。根状茎长约1.5 cm, 直径约4 mm。叶全部基生, 5—7枚, 具长柄; 叶片卵形, 长2.2—6 cm, 宽1.2—3.6 cm, 顶端锐尖, 基部心形, 偏斜, 边缘具锯齿, 上面被灰白色短柔毛, 下面被褐色柔毛; 侧脉每边3—5条, 上面明显, 下面稍隆起; 叶柄长1.2—8.3 cm, 直径约2 mm, 被褐色柔毛。聚伞花序或二歧聚伞花序, 1—2条, 3—7花; 花序梗长8.8—11.5 cm, 被褐色柔毛和腺状柔毛; 苞片2(—3)线形, 长4—5 mm, 宽2 mm, 被褐色柔毛; 花梗长1.2—3 cm, 被褐色腺状柔毛。花萼钟状, 5裂至基部, 裂片披针形, 长3—4 mm, 宽约1 mm, 顶端渐尖, 全缘。花冠坛状, 紫褐色, 长8—9 mm, 无毛, 喉部缢缩, 筒部长6—7 mm, 直径5—6.5 mm, 檐部二唇形, 上唇长于下唇, 长3—4 mm, 2裂, 裂片长圆形, 长约2.2 mm, 宽约2.2 mm, 下唇长2 mm, 3裂, 裂片相等, 宽卵形, 长1.2 mm, 宽2.6 mm。能育雄蕊4, 无毛, 上雄蕊(后)长4.4—5.5 mm, 着生于距花冠基部1.2—2 mm之上处, 下雄蕊(前)长4—5 mm, 着生于距花冠基部1.4—3.4 mm之上处, 花丝顶端与花药成直角弯曲, 花药卵形, 长0.4 mm, 顶端成对连着, 药室不汇合。退化雄蕊I, 长约0.7 mm, 着生于距花冠基部0.2 mm之上处。花盘环状, 高2—2.4 mm。直径约1.2 mm, 边缘浅波状。雌蕊无毛, 比花萼长, 子房长圆形, 长2.8—3 mm, 直径1.3—1.6 mm, 花柱长1 mm, 柱头头状, 微凹。蒴果倒披针形, 长2.7 cm, 宽2.5 mm。

本种与城口金盞苣苔 *I. fargesii* (Franch.) Burt. 相近, 但叶卵形, 长2.2—6 cm, 宽1.2—3.6 cm, 基部心形, 边缘具锯齿, 叶柄较长, 长1.2—8.3 cm; 花序梗, 花梗及花萼外面被褐色柔毛和腺状柔毛, 花冠坛状, 喉部缢缩, 上唇深2裂, 裂片长圆形, 长约2.2 mm, 宽约2.1 mm。