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南溪楼梯草, 云南荨麻科一新种

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摘要: 该文描述了自云南东南部发现的荨麻科楼梯草属一新种, 南溪楼梯草 (*Elatostema nanxiense*)。此新种与田林楼梯草 (*E. tianlinense*) 相似, 但其叶具三出脉, 边缘具浅圆齿或小钝齿, 雄总苞苞片较少, 8 枚, 排成一层, 背面有 1~3 条纵肋, 只 1 枚在顶端具角状突起而与后者相区别。此外, 此新种与盘托楼梯草系的广布种盘托楼梯草 (*E. dissectum*) 的区别在于其茎被糙伏毛, 叶呈椭圆形, 具三出脉, 雄头状花序的花序梗较短, 雄总苞苞片较少, 呈宽卵形或横长方形, 背面有 1~3 条纵肋, 雄小苞片有缘毛。

关键词: 荨麻科, 楼梯草属, 新种, 云南

中图分类号: Q949.737.5 **文献标识码:** A **文章编号:** 1000-3142(2019)03-0294-03

Elatostema nanxiense, a new species of Urticaceae from Yunnan Province

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Abstract: A species of the genus *Elatostema* (Urticaceae), *E. nanxiense*, is described as new from southeastern part of Yunnan Province. It is similar to *E. tianlinense* W. T. Wang, differing from the latter in its crenate or obtusely denticulate, trinerved leaves, and fewer 1-seriate and 1-3-ribbed staminate involucral bracts. Besides, it differs from *E. dissectum*, which is a wide-spread species in sect. *Elatostema* ser. *Dissecta* W. T. Wang, in its strigillose stems, elliptic and trinerved leaves, shorter staminate peduncles, fewer broadly ovate or transversely rectangular and 1-3-ribbed staminate involucral bracts, and glabrous staminate bracteoles.

Key words: Urticaceae, *Elatostema*, new species, Yunnan Province

南溪楼梯草 图 1

sp. nov. Fig. 1.

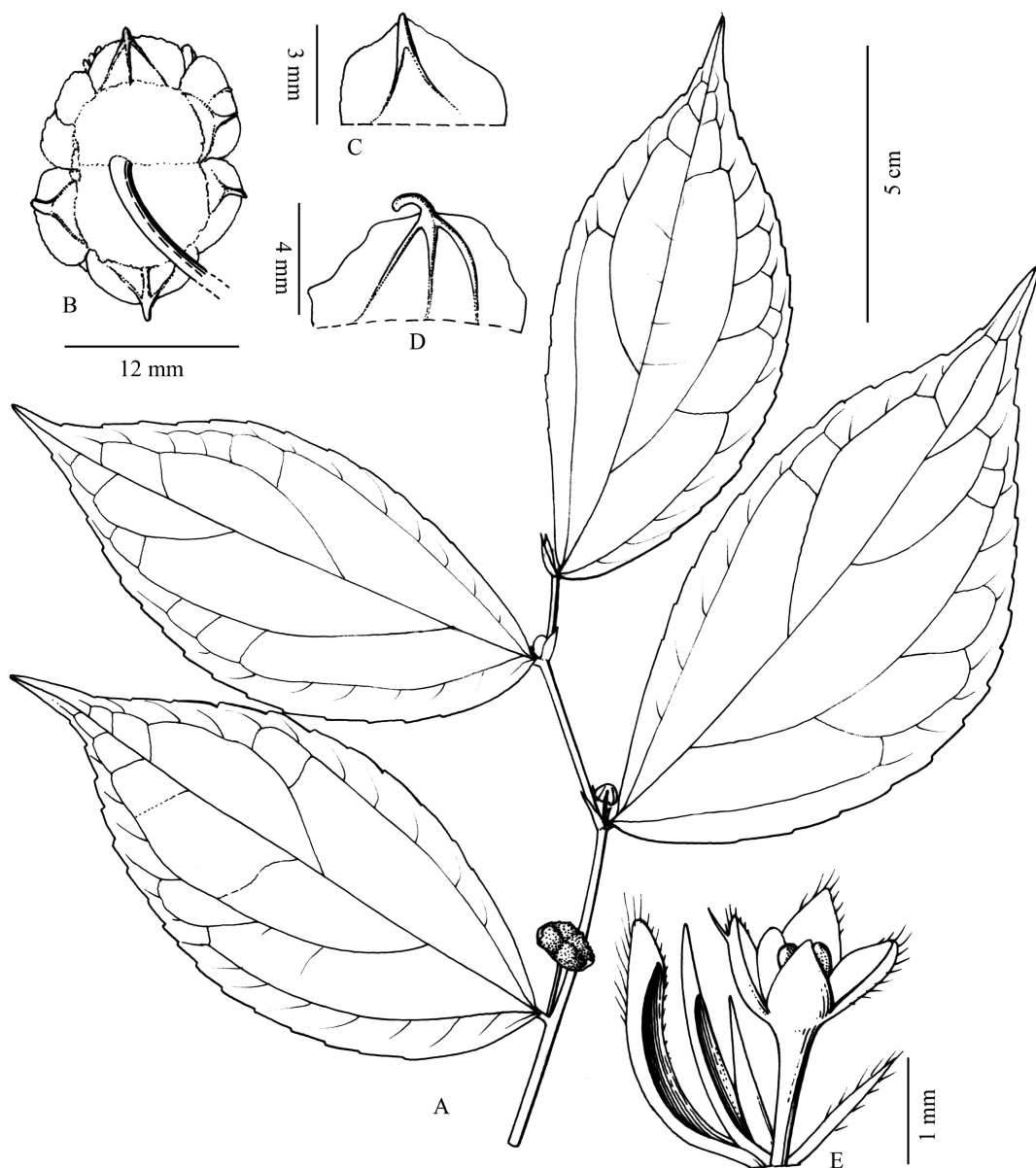
Elatostema nanxiense W. T. Wang & Zeng Y. Wu,

(Sect. *Elatostema* ser. *Dissecta* W. T. Wang)

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注：A. 开花植株上部；B. 雄头状花序；C. 二对生长较大雄总苞苞片；D. 雄花及4雄小苞片。（来自模式标本）

Note: A. Upper part of flowering stem; B. Staminate capitulum; C. Two opposite larger staminate bracts; D. Staminate flower and four staminate bracteoles. (From holotype)

图 1 南溪楼梯草

Fig. 1 *Elatostema nanxiense*

Ob pedunculos capitulorum staminatorum quam receptacula leviter longiores et receptacula late rectangularia species nova haec est similis *E. tianlinense* W. T. Wang, a quo foliis margine crenatis vel obtuse denticulatis trinerviis, bracteis involucralibus staminatis

paucioribus 8, 1-seriatis tantum singularibus apice corniculatis differt; in *E. tianlinense*, folia margine acute dentata, semi-triplinervia, et bracteae involucales staminatae multiores ca. 20, 2-seriatae, 6 externae omnes apice corniculatae sunt. Etiam ab *E. dissecto*

Wedd., quod una species late distributa in sect. *Elatostema* ser. *Dissectis* W. T. Wang est, caulibus strigillosis, foliis ellipticis trinerviis ventre ad nervos basales strigillosis, capitulis staminatis brevius pedunculatis (pedunculis 1–1.8 cm longis), bracteis involucribus staminatis paucioribus 8 late ovatis vel transverse rectangularibus dorso longitudinaliter 1–3-costatis, bracteolis staminatis superne ciliatis facie recedit; in *E. dissecto*, caules glabri, folia oblique oblonga semitripplinervia glabra, capitula staminata saepe longe pedunculata (pedunculi 1.5–8 cm longi), bracteae involucrales staminatae saepe multiores lineares vel anguste lanceolatae omnes haud costatae, bracteolae staminatae glabrae sunt.

Perennial herbs. Stem ca. 25 cm tall, below ca. 2.5 mm in diam., strigillose, simple, ca. 6-leaved. Leaves alternate; blades papery, obliquely elliptic, 11–13.5 × 4.2–5.8 cm, apex acuminate, base obliquely and broadly cuneate, margin crenate or obtusely denticulate; surfaces adaxially glabrous, abaxially on basal nerves strigillose; nervation trinerved, with basal nerves adaxially flat and abaxially slightly prominent, and with two pairs of secondary nerves; cystoliths numerous, dense, bacilliform, 0.25–0.5 mm long; petioles 1–3 mm long; stipules papery, broadly to narrowly triangular, 4–4.2 × 1.2–2.2 mm, glabrous, at apex acute, greenish and with whitish margins. Staminate capitula singly axillary, pedunculate; peduncles 1–1.8 cm long, glabrous or with a few short hairs; receptacles broadly rectangular, obscurely bilobulate, 8–10 × 4–5.5 mm, glabrous; involucrial bracts 8, 1-seriate, membranous, glabrous, rarely on ribs with sparse short hairs, 2 opposite bracts larger, very broadly ovate, 3–4 × 5–7 mm, abaxially longitudinally 2–3-ribbed, in the largest bract, abaxially 3-ribbed and the apex of the central rib protruding out to form a horn-like projection ca. 0.6 mm long, the two pairs of the lateral bracts transversely rectangular, 3.2 × 4–5 mm, all abaxially longitudinally 1-ribbed and not corniculate; bracteoles numerous, very dense, membranous, white, linear, narrowly linear, or

linear-oblongate, 1–2.2 × 0.2–1.8 mm, above and on apex ciliate. Staminate flowers numerous, very dense, pedicellate; pedicels 0.3–1 mm long, subglabrous; tepals 4, membranous, white, broadly triangular, 1 × 0.5 mm, apex acute, ciliate; stamens 4, glabrous, with very short filaments, anthers yellowish, oblong, ca. 0.8 mm long; pistillode absent. Pistillate capitula and pistillate flowers unknown.

云南 (Yunnan): 河口县, 南溪镇, 马革, 白沙河 (Hekou County, Nanxi Town, Mage, Baisha River), alt. 388 m, 河边雨林里路边 (at road-side in rain forest near river), 2010-08-01, 吴增源 (Zeng Y. Wu) 10171 (♂, **holotype**, PE).

南溪楼梯草的雄头状花序的花序梗比花序托稍长, 雄花序托宽长方形, 与具上述特征的田林楼梯草 (*Elatostema tianlinense* W. T. Wang) 相似。两者的区别在于南溪楼梯草的叶在边缘具浅圆齿或小钝齿, 具三出脉, 雄总苞苞片数目较少, 8 枚, 排成一层, 只 1 枚在顶端具角状突起; 而田林楼梯草的叶在边缘具尖牙齿, 具半离基三出脉, 雄总苞苞片数目较多, 约 20 枚, 排成二层, 外层 6 枚均在顶端具角状突起。南溪楼梯草与骤尖楼梯草组盘托楼梯草系 (sect. *Elatostema* ser. *Dissecta* W. T. Wang) 中的广布种盘托楼梯草系 (*E. dissectum* Wedd.) 的区别在于南溪楼梯草的茎被短糙伏毛, 叶呈椭圆形, 具三出脉, 下面基出脉上被短糙伏毛, 雄头状花序的花序梗较短, 长 1~1.8 cm, 雄总苞苞片较少, 8 枚, 宽卵形或横长方形, 背面具 1~3 条纵肋, 雄小苞片上部被缘毛; 而盘托楼梯草的茎无毛, 叶斜长圆形, 具半离基三出脉, 无毛, 雄头状花序的花序梗多较长, 长 1.5~8 cm, 雄总苞苞片常较多, 呈条形或狭披针形, 无肋, 雄小苞片无毛 (王文采, 2014)。

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