

贵州悬钩子属(蔷薇科)一新种——务川悬钩子

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Rubus wuchuanensis S. Z. He, a new species of the Rosaceae from Guizhou, China

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Abstract A new species of the genus *Rubus* (Rosaceae) from Wuchuan County, Guizhou Province, China, *R. wuchuanensis* S. Z. He, is described and illustrated. The new species is similar to *R. wuzhianus* L. T. Lu & Boufford in habit, but differs by having leaves ovate-lanceolate, margin sparsely serrulate, petioles 0.7–1 cm long, inflorescences racemose, terminal and lax, 8–10-flowered, pedicels 3.5–5 cm long, and petals abruptly apiculate at apex.

Key words *Rubus*, *Rubus wuchuanensis* S. Z. He, Rosaceae, new species, Guizhou, China.

摘要 报道了贵州省务川县发现的悬钩子属*Rubus*(蔷薇科Rosaceae)一新种——务川悬钩子*R. wuchuanensis* S. Z. He。该种在体态上与锯叶悬钩子*R. wuzhianus* L. T. Lu & Boufford相近, 区别在于其叶片卵状披针形, 边缘疏生小锯齿; 叶柄较短, 长0.7–1 cm; 花序为顶生稀疏总状花序, 具花8–10朵; 花梗长3.5–5 cm; 花瓣先端具骤突尖头。

关键词 悬钩子属; 务川悬钩子; 蔷薇科; 新种; 贵州; 中国

在整理贵阳中医学院收藏的贵州省悬钩子属*Rubus* L.药用植物标本时, 看到1份采自贵州省务川县锯子山具果的标本, 即务川中药普查队870950。该标本枝圆柱形, 密被紫红色长刺毛和腺毛, 单叶卵状披针形, 无毛, 果梗长达5 cm, 这些特征与锯叶悬钩子*R. wuzhianus* L. T. Lu & Boufford相近, 但花序为总状而与其不同。由于该标本无花, 也为了寻找更多的研究材料, 特别是花期标本, 作者于2004年5月专门前往务川县锯子山进行了调查, 在一山谷灌丛中采到了该植物。经查对文献资料和核对近缘种标本, 确定该植物为悬钩子属一新种。

务川悬钩子 新种 图1

***Rubus wuchuanensis* S. Z. He, sp. nov.** Fig. 1

Species *R. wuzhiano* L. T. Lu & Boufford affinis, a quo differt foliis ovato-lanceolatis, margine sparsim serrulatis, petiolis 0.7–1 cm longis, inflorescentiis racemosis terminalibus laxis, 8–10-floris, pedicellis 3.5–5 cm longis, petalis apice abrupte apiculatis.

Frutex scandens; ramuli teretes, cinereo-brunnei, aculeolis sparsis, setis longis et pilis glandulosis stipitatis purpureis dense armati. Folia coriacea, ovato-lanceolata, 10–16 cm longa, 2.5–3.5 cm lata, apice longe caudata, basi cordata, utrimque glabra, subtus in costis sparsim falcato-aculeolata, margine sparse minuteque serrulata, nervis lateralibus 10–12-jugis; petioli

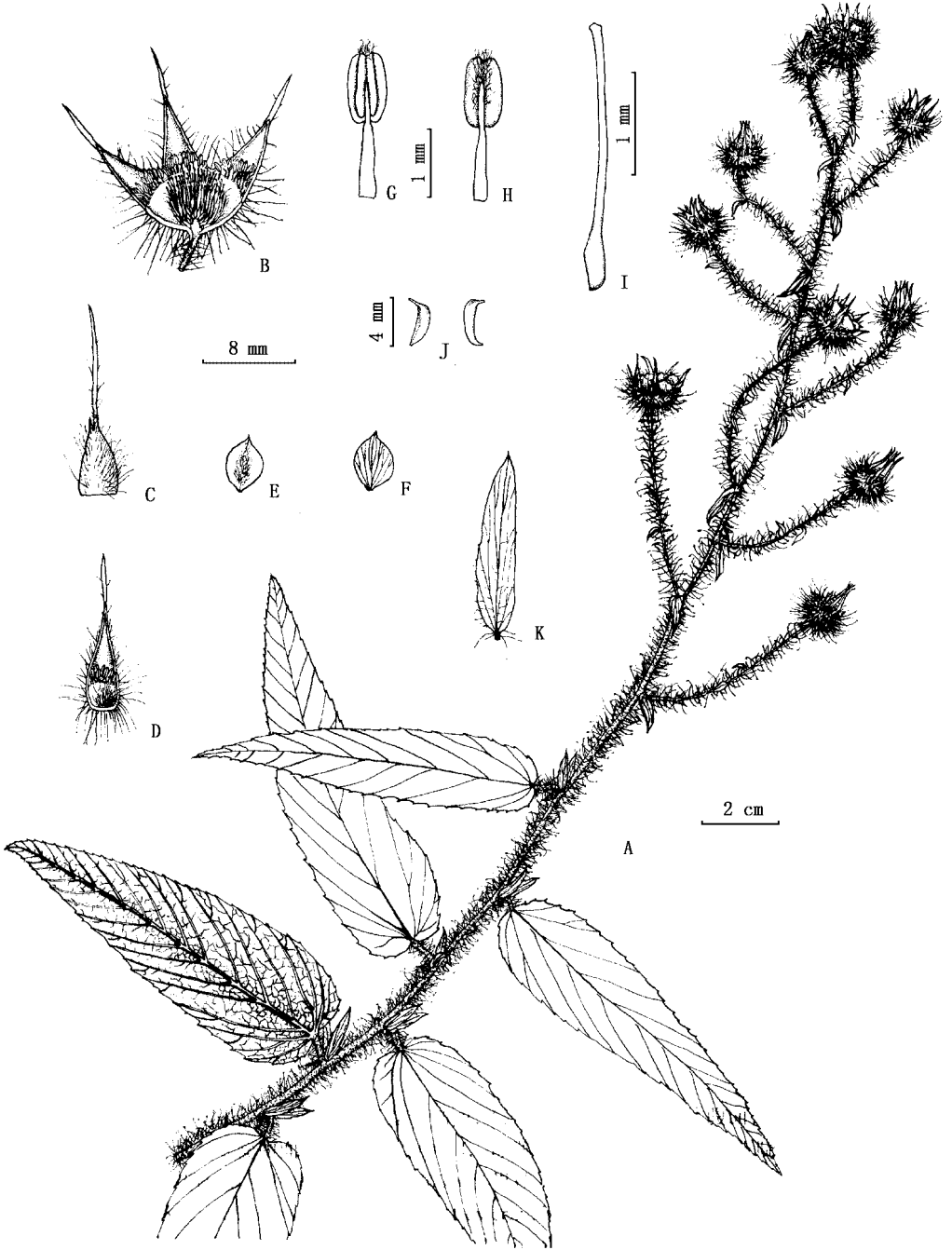


图1 务川悬钩子 A, 花枝; B, 花纵剖面; C, 萼片背面; D, 萼片腹面; E, 花瓣背面; F, 花瓣腹面; G, 雄蕊腹面; H, 雄蕊背面; I, 雌蕊; J, 小核; K, 托叶。(王晓宇根据何顺志等0405034(花枝)、务川中药普查队870950(果枝)标本绘)

Fig. 1. *Rubus wuchuanensis* S. Z. He. A, flowering branch; B, longitudinal section of flower; C, sepal, dorsal view; D, sepal, ventral view; E, petal, dorsal view; F, petal, ventral view; G, stamen, ventral view; H, stamen, dorsal view; I, pistil; J, small drupe; K, stipule. Drawn by X. Y. Wang from the type gathering, S. Z. He et al. 0405034 (flowering branch) and Wuchuan Med. Pl. Exped. 870950 (fruiting branch).

0.7–1 cm longi, setis longis et pilis glandulosis stipitatis purpureis dense instructi; stipulae deciduae, oblongae, 1.5–1.7 cm longae. Flores 8–10 in racemum terminalem dispositi; pedunculi cum pedicellis dense longe purpureo-setosi et stipitato-glandulosi, sparse aculeolati; pedicelli 3.5–5 cm longi; bractaeae oblongae vel ovato-lanceolatae, purpureo-brunneae, margine sparse inaequaliterque setosae et stipitato-glandulosae; flores 1–1.8 cm diam.; calyces extus dense flavo-tomentosi, purpureo-setosi et stipitato-glandulosi, intus dense flavo-tomentosi; sepala ovato-lanceolata, 1–1.5 cm longa, apice longe caudata, externa apice in lacinulas fissa, margine setis sparsis et pilis glandulosis stipitatis instructa; petala ovata, apice abrupte apiculata, extus dense intus sparsim pubescentia; stamina plurima, filamentis linearibus, inferne dilatatis, antheris apice villosis; carpella numerosa, glabra, stylis staminibus longioribus. Fructus subglobosi, ca. 1.5 cm diam., atro-purpurei, glabri e drupeolis rugulosos compositi. Fl. Mai.–Jun. Fr. Jul.–Aug.

China. Guizhou (贵州): Wuchuan (务川), Juzishan (锯子山), among scrub in valley, alt. 800–1000 m, 2004-05-03, S. Z. He et al. (何顺志等) 0405034 (holotype, HGCM; isotype, PE); the same locality, 1987-09-16, *Wuchuan Med. Pl. Exped.* (务川中药普查队) 870950 (paratype, HGCM).

藤状蔓性灌木; 枝圆柱形, 灰褐色, 密被紫红色长刺毛和腺毛, 疏生皮刺。单叶, 革质, 卵状披针形, 长10–16 cm, 宽2.5–3.5 cm, 顶端长尾尖, 基部心形, 两面均无毛, 灰绿色, 叶脉上面平坦, 下面突起, 沿中脉疏生钩状皮刺, 边缘具稀疏小锯齿, 侧脉10–12对; 叶柄长0.7–1 cm, 密被紫红色长刺毛和有柄腺毛; 托叶离生, 早落, 长圆形, 长1.5–1.7 cm。花8–10朵组成稀疏顶生总状花序; 总花梗和花梗均密被紫红色长刺毛和腺毛, 疏生小皮刺; 花梗长3.5–5 cm; 苞片长圆形或卵状披针形, 紫褐色, 边缘疏生不整齐的刺毛和腺毛; 花直径1–1.8 cm; 花萼外面密被浅黄色绒毛和紫红色长刺毛及腺毛, 内面密被浅黄色绒毛; 萼片卵状披针形, 长1–1.5 cm, 顶端长尾状, 外萼片先端条裂, 边缘具疏生长软刺毛和有柄腺毛; 花瓣卵形, 顶端具突尖头, 外面密被柔毛, 内面疏生柔毛, 几无爪; 雄蕊多数, 花丝条形, 下部稍宽, 花药顶端具长柔毛; 心皮多数, 花柱长于雄蕊, 无毛。果实近球形, 直径达1.5 cm, 黑紫色, 无毛; 核具皱纹。花期5–6月, 果期7–8月。

本新种近于锯叶悬钩子 *R. wuzhianus* L. T. Lu & Boufford, 区别在于本种叶片卵状披针形, 边缘疏生小锯齿; 叶柄较短, 长0.7–1 cm; 花序为顶生稀疏总状花序, 具花8–10朵; 花梗长3.5–5 cm; 花瓣先端具骤突尖头。

本种藤状蔓性灌木, 植株密被紫红色长刺毛和腺毛, 疏生皮刺, 单叶, 托叶离生, 系统位置应归于刺毛莓组 *sect. Dalibardastrum* (Focke) Yü & Lu。目前仅见于锯子山原始森林的山谷林下, 海拔800–1000 m, 零星分布。其生境的枯枝落叶和腐殖质层均较厚, 草本、灌木及木本植物生长旺盛。目前发现的植株数量不很多, 因此该种作为药用植物应在保护的前提下进行利用。

致谢 陆玲娣教授审阅全文及模式标本并提出修改意见, 王晓宇先生绘制插图, 在此一并致谢!