

中国茜草科资料

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摘要 在编研《中国植物志》茜草科的过程中, 作者对耳草属植物作了进一步检查和整理, 共发现 *Hedyotis lianshanensis*, *H. Baotingensis*, *H. cantonensis*, *H. dinxiensis*, *H. vangchunensis* 等 5 新分类群; 在新耳草属亦发现 1 个新变型 *Neanotis ingrata* f. *parvifolia*, 新种的模式标本保存在中国科学院华南植物研究所标本馆 (IBSC).

关键词 茜草科; 耳草属; 新耳草属

中图分类号 Q949.781.1

1 耳草属 — *Hedyotis* Linn.

1.1 连山耳草 新种 图 1

Hedyotis lianshanensis Ko, sp. nov.

Simillis *H. platystipuliae* Merr. quae stipulis magnis reniformibus 1 cm longis 1.5 cm latis apice nec partitis.

Subfrutex erectus 60~80 cm altus; Ramus juvenilis striatus deinde teretisculus; internodiis 4~4.5 cm longis. Folia opposita chartacea anguste oblonga vel anguste elliptica 7~10 cm longa 1.5~2.5 cm lata, apice longe acuminata, infra medium attenuata versus petiolum 8~10 mm longum; stipulis 7~10 mm longis 5~8 mm latis apice margineque partitis; lobis linearibus. Flos breviter pedicellatus axillaris fasciculatus; calycis tubo cupiformi 1~1.2 mm longo externo pubescenti; lobis 4, lanceolatis 2.5 mm longis; corolla glabra conspicue striata, lobis 4, recurvis lanceolatis 2.5 mm longis, staminibus ad faucem corollae insertis; filamentis brevibus; stylo 4 mm longo puberulo; stigmatibus bifido scabrullo. Fructus

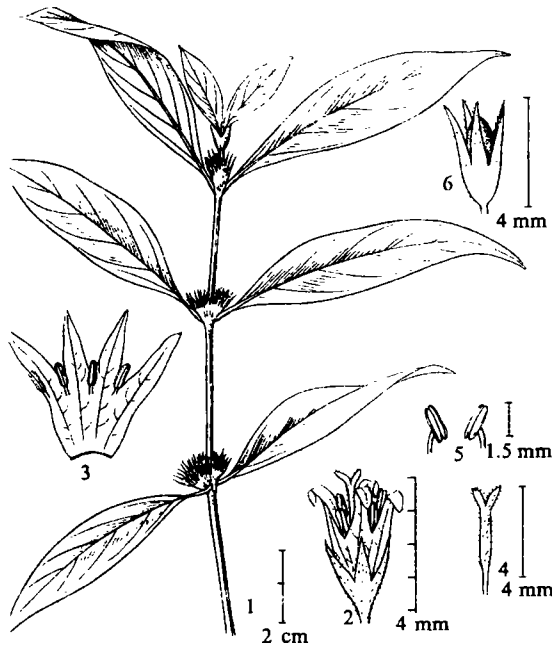


图 1 连山耳草 *Hedyotis lianshanensis* Ko (邓晶发绘)

1 植株; 2 花; 3 花冠展开;
4 雌蕊; 5 雄蕊; 6 果实

ellipticus 2 mm longus ad maturitatum indehiscens; semina parva striata.

Guangdong(广东): Lianshan Xian (连山县), rare, growing on ravine side; Fl. green, May 23, 1958. P. C. Tam 谭沛祥 58019.

直立亚灌木,高 60~80 cm,初时具棱,后变圆柱形,节间距离 4~4.5 cm。叶对生,纸质,狭长圆形或狭椭圆形,长 7~10 cm,宽 1.5~2.5 cm。顶端长渐尖,中部以下渐狭至叶柄;叶柄长 8~10 mm;托叶长 7~10 mm,宽 5~8 mm,顶部和边缘撕裂,裂片线形。花具短梗成束腋生;萼管杯形,长 1~1.2 mm,外面被毛,萼檐裂片 4,披针形,长 1.5 mm,花冠无毛,有明显的条纹,裂片 4,外反,披针形,长 2.5 mm;雄蕊生于冠管喉部,花丝短;花柱被毛,长 4 mm,柱头 2 裂,粗糙。果椭圆形,长 2 mm,成熟时不开裂;种子微小,具条纹。

广东省连山县:少见,生于山谷两旁;花绿色,1958 年 5 月 23 日,谭沛祥 58019(模式)。

本种与 *H. platystipulis* 很相似,不同之处在于后者托叶比较大,肾形,顶部不分裂成线形的小裂片。

1.2 广州耳草 新种 图 2

Hedyotis cantoniensis How ex Ko sp.nov.

Similis *H. vachellii* Hook. et Arn. quae foliis oblongo-lanceolatis; stipulis haud glanduloso-denticulatis.

Suffrutex erectus glaberrimus 30~60 cm altus; caulis subteretis cinereo-stramineus, internodiis brevibus 1~2 cm longis; ramis ramulisque subteretibus striatis. Folia opposita brevissime petiolata subcoriacea ovato-vel oblongo-elliptica, 3~7 cm longa 1~3 cm lata, utrinque acuta, costa supra canaliculata subtus elevata; stipulae triangulares 2~3 mm longae, integrae vel apice minutissime glanduloso-denticulatae. Inflorescentia terminalis vel ad apices ramulorum eaillaris, 1~3 cm longa et lata, flores brevissime pedicellati in densifloris cymis aggregati; calyx 2~2.5 mm longus, tubo subgloboso, lobis 4 triangularibus, tubo leviter brevioribus; corolla alba, 5~6 mm longa, lobis oblongo-lanceolatis acuminatis tubo leviter brevioribus. Fructus parvus globosus cum calyce 2~2.5 cm longus, in sicco reticulatus sero dehiscens.

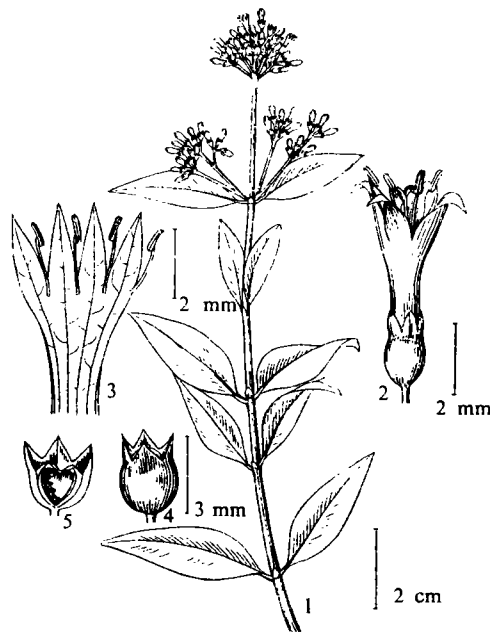


图 2 广州耳草 *Hedyotis cantoniensis* How ex Ko (邓晶发绘)

1 花枝; 2 花; 3 花冠展开; 4 果实; 5 果纵切面

Guangdong(广东) Guangzhou(广州) White cloud Mt.(白云山) white cloud monastery, (白云庵) rare in thickets, flowers white, Jan. 1951, S. H. Chun 陈少卿 7108.

直立无毛亚灌木,高 30~60 cm;茎近圆柱形,灰禾草色,节间距离短,长 1~3 cm,枝和小枝近圆柱形,具条纹。叶对生,具短柄,薄革质,卵形或长椭圆形,长 3~7 cm,宽 1~3 cm,

两端短尖,中脉上面下陷,下面突起;托叶长2~3 mm,全缘或顶端具微细腺齿。花序顶生或在上部小枝上的腋生,长和宽1~3 cm;花密集成伞形花序状;萼管近球形,长1.5~2 mm,裂片4,三角形,比管短;花冠白色,长5~6 mm,裂片长圆状披针形,渐尖,比冠管略短。果小型,球形,连宿存萼檐裂片长2~2.5 mm,干后有网状纹,迟开裂。

广州市:白云山,白云庵旁的灌丛中,少见,花白色。1951年,陈少卿 7108(模式)

本种与 *H. vachellii* 很相似,不同之处在于后者叶长圆状披针形。托叶不具腺状小齿。

1.3 保亭耳草 新种 图3

Hedyotis baotingensis Ko, sp. nov.

Simillis *H. paridifoliae* Dunn quae fructibus ovoideis 2~2.5 mm diam. calycis lobis 4 vel 2~3.

Herba prostrata 40~60 cm alta; caulibus teretibus 2.5~4 mm diam. in sicco castaneis, prope basin internodiis brevibus persaepe ad nodos radicanibus. Folia chartacea elliptica vel ovata, 4~8 cm longa rairo 13 cm longa 3~6 cm lata, apice acuta basi cuneata vel late cuneata, in sicco olivaceo-brunneola supra glabra, subtus ad costam mediam et venulos adpresse pubescentia; nervis lateralibus utrinsecus 5~12, curvatin adscendentibus; petiolo robusto 11.5 cm longo; stipulis anguste triangularis apice acuminatis. Flores ignoti. Fructus orbiculatus vel ellipticus 1~1.5 mm diam. pilosus. maturus indehiscens. calycis lobis persistensibus 4 nec 2 vel 3, anguste lanceolatis 5 mm longis; striatis, glomeratus terminatus sessilis 2~2.5 cm latus, foliis quaters in quisque verticillatis duo majoribus duo parvis suffultis. semina 3~4 angulosa parva in siccitate nigrescens.

Hainan(海南): Baoting Xian(保亭县): in thicket or forests or moist gentle slope, Oct. 1936 S. K. Lau(刘心祈).

平卧草本,高40~60 cm;茎圆柱形,直径2.5~4 mm,干后褐色,靠近基部处的节间距离较短,常在节上生根。叶纸质,椭圆形或卵形,长4~8 cm,罕有长达13 cm,宽3~6 cm,顶部短尖,基部楔形或宽楔形,干后绿褐色,上面无毛,下面中脉和小脉被紧贴柔毛;侧脉每边5~12条,弯拱向上;叶柄粗,长1~1.5 cm;托叶狭长三角形,顶部渐尖。花未见。果圆形或椭圆形,直径1~1.5 mm,密集成圆球状,顶生,无总花梗,直径2~2.5 cm,有4枚轮生叶

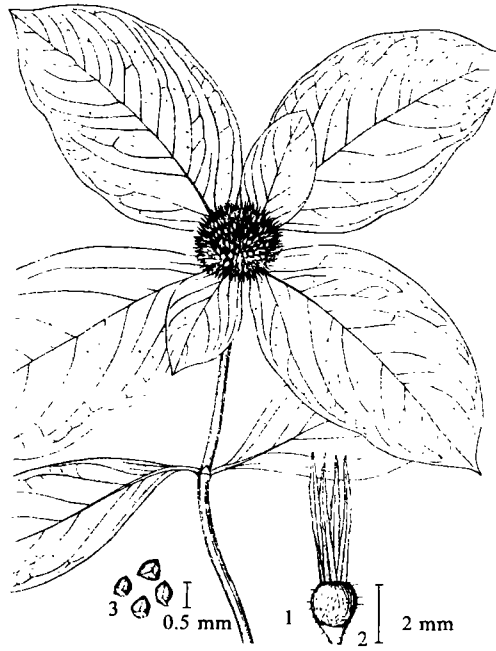


图3 保亭耳草 *Hedyotis baotingensis* Ko
(邓晶发绘)

1 果枝; 2 果和宿存萼檐裂片; 3 种子

片,两枚较大,两枚较小承托着;种子细小,3~4粒,干后变黑色。

海南省保亭县。生于丛林下湿润的缓坡上。少见。1936年10月,刘心祈 27072(模式)。

本种与 *H. paridifolia* 极相近似,不同之处在于后者果卵形,直径2~2.5 mm,宿存萼裂片4或2~3枚。

1.4 滇西耳草 新种 图4

Hedyotis dianxiensis Ko, sp. nov.

Similis *H. capotallatae* Wall. et G. Don var. *mollissimiae* (Petard.) Ko quae floribus sessilibus, corollae lobis in sinu nec spinulis.

Herba volubilis vel scandens corollam exclusis ubique in sicco lutea pubescans vel pilosa; internodiis 4~10 cm longis. Folia opposita chartacea lanceolata vel anguste ovata, 4~7 cm longa 0.6~1.5 cm lata, apice acuminata basi cuneata vel lata cuneata; nervis lateralibus utrinsecus 3~4 gracilibus, inconspicuis; petiolis 1.5~2 mm longis; stipulae interpetiolatae apice mutipartitae, lobis linearibus. Capitula terminalis, 1~2 cm diam., pedunculis 1~1.5 cm longis. Flores breviter pedicellati: calvcis tubo globoso 4 mm longo. lobis oblongis, 2 mm longis; corolla glabra, in fauce barbata, tubo 2 mm longo, lobis oblongis, 4 mm longis, reflexis, apice acutis basi villosis, in sinu spinulis, filamentis 0.8~1 mm longis puberulis, antheris oblongis apice basique obtusis, 1.2 mm longis; stylo exserto, 8 mm longo apice 2-fido. Capulae subglobosae, 2 mm diam., apice projectae; seminibus parvis angulatis.

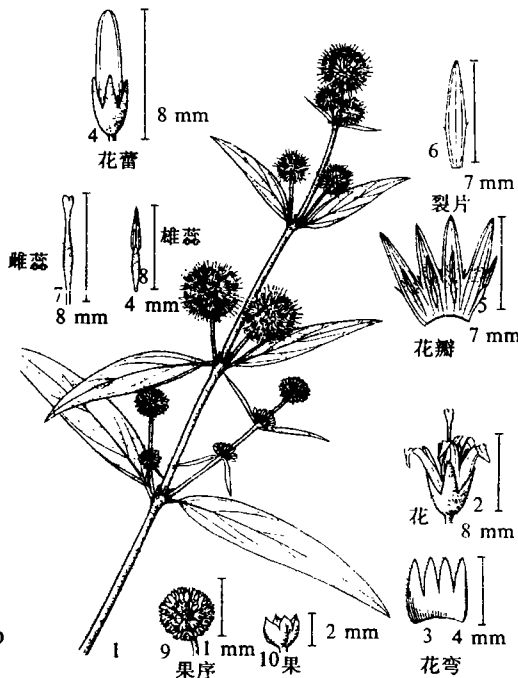


图4 滇西耳草 *Hedyotis dianxiensis* Ko (邓晶发绘)

1 花枝; 2 花; 3 花萼; 4 花蕾; 5 花冠展开; 6 花冠裂片隙处的短刺; 7 雌蕊; 8 雄蕊; 9 果序; 10 果

Yunnan(云南): Man-chiao Xian(勐养县), thicket near ravine; April 1958. Exped. 57(实习队) 911(Type).

缠绕或攀缘草本,除花冠外,干后全株被黄色柔毛或长柔毛;节间距离长4~10 cm。叶对生,纸质,披针形或狭卵形,长4~7 cm,宽0.6~1.5 cm,顶端渐尖,基部楔形或阔楔形;侧脉每边3~4条,纤细,不明显;叶柄长1.5~2 mm;托叶在叶柄间,顶部分裂,裂片线形。头状花序顶生,直径1~2 cm,有1~1.5总花梗;花具短梗,萼管圆形,直径4 mm,萼檐裂片长2 mm;花冠无毛,喉部有髯毛,管长2 mm,裂片长圆形,长4 mm,外反,顶部短尖,基部被长柔毛,在每片裂片隙处均有短的小刺;花丝长0.8~1 mm,被柔毛,花药长圆形,两端钝,长1.2 mm;花柱伸出冠管外,长8 mm,顶端2裂。蒴果近球形,直径2 mm,顶部隆起;种子细小,具棱。

云南,勐养,溪旁灌丛中,1958年,57实习队911(模式)。

本种与 *H. capitellata* var. *mollissima* 很相似, 不同之处在于后者的花无梗, 花冠裂片间隙处均具 1 短小刺。

1.5 阳春耳草 新种 图 5

Hedyotis yangchunensis Ko et Zhang sp. nov.

Similis *H. bracteosae* Hance quae stipulis apice margineque integris; capitulis 2~2.3 cm diam. ad basim bracteis 4, ovatis.

Herba subfruticosa erecta glabra, 30~59 cm alta; caule robusto superm quadrangulato inferne subteretiuculo; internodiis 0.8~1.5 cm longis. Folia opposita papyracea oblona vel obongo-elliptica 8~12 cm longa 3~4.5 cm lata, ad ramos florigeris diminuta, apice acuta basi in petiolum decurrentia, costa utraque fascia plana vel supra impressa subtus elevata; nervis lateralibus inconspicuis utrinsecus 5~7 gracilibus erecto-adscentibus; petiolis 1~1.5 cm longis; stipulis interpetiolatis lata triangularibus apice margineque partitis; lobis linearibus. Flores caduci; infructescentia glomerata 2~2.5 diam. persaepe 3 in apice ramulorum raro solitaria; pedunculis 3~4 cm longis prope basi 2 diminuto-foiatis; bracteis ovatis, 1.5 cm longis 5~6 mm latis. Capsula parva anguste elliptica vel subobovata 3 mm longa 2 mm lata, calycis lobis 4, persistentibus, 5~6 mm longis 2~3 mm latis in sicco reticulatis sero dehiscentibus; semina angulosa parva in siccitate nigrescents.

Guangdong (广东): Yangchun Xian (阳春县), fairly common; growing in thicket near a ravine. May 27, 1957. Yangjiang Exped. (阳江植物调查队) 03241 (Type).

直立、无毛亚灌木状草本, 高 30~50 cm; 茎粗壮, 上部 4 棱柱形, 下部近圆柱形, 节间距离 0.8~1.5 cm。叶对生, 纸质, 长圆形或长圆状椭圆形, 长 8~12 cm, 宽 3~4.6 cm, 在生花的枝上比较小, 顶端短尖, 基部下延至叶柄; 中脉在两面平坦或上面下陷, 下面突起, 侧脉不明显, 每边 5~7 条, 纤细, 弯拱向上; 叶柄长 1~1.5 cm; 托叶在叶柄间, 阔三角形, 顶部和边缘分裂, 裂片线形。花早凋谢。果序球形, 直径 2~2.5 cm, 常常 3 个生于枝顶, 罕有单个;



图 5 阳春耳草 *Hedyotis yangchunensis* Ko et Zhang (余峰绘)

1 果序; 2 外层苞片; 3 内层苞片; 4 果。(余峰绘)

总花梗长3~4 cm, 靠近基部有2枚小叶片; 苞片卵形, 长1.5 cm, 宽3~6 mm。蒴果狭椭圆形或近卵形, 长3 mm, 宽2 mm, 宿存萼檐裂片长5~6 mm, 宽2~3 mm, 干后呈显网纹, 迟开裂; 种子小, 具棱, 干后变黑色。

广东省, 阳春县河尾: 生于山谷灌丛中, 1957年3月27日, 阳江植物调查队03241(模式)。

本种与 *H.bracteasae* 很近似, 其不同之处, 在于后者托叶顶部和边缘全缘; 花序基部有4枚卵形苞片。

2 新耳草属——*Neanotis* W. H. Lewis

2.1 小叶嗅味新耳草 新变型

Neanotis ingrata (Wall. ex Hook. f.) W. H. Lewis f. *parvifolia* How ex Ko f. nov.

A type recedit planta parvis 40 cm alta; foliis anguste ovatis 1.5~2.5 cm longis 0.7~1 cm latis.

本变型植株矮小; 叶狭卵形, 长1.5~2.5 cm, 宽通常仅有0.7 cm 是很容易识别。

四川綦江县, 方文培 W. P. Fang 1308(模式), 峨眉山, 方文培 175690。

MATERIALS FOR CHINENSIS RUBIACEAE

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Abstract

In this paper five new taxa of Rubiaceae from China, i. e. *Hedyotis lianshanensis*, *H.baotingensis*, *H.cantonensis*, *H.dianxiensis*, *H.yangchunensis* and *Neanotis ingrata* f. *parvifolia* are described and illustrated.

Key words Rubiaceae; *Hedyotis*; *Neanotis*

* Ko Wan Chang