

## 云南堇菜属新种<sup>\*</sup>

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摘要: 记述了云南产堇菜属3新种, 鸡足山堇菜, 淡黄堇菜, 宾川堇菜。

关键词: 堇菜属; 新种; 云南

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## New Species of *Viola* from Yunnan

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**Abstract:** Three new species of the genus *Viola* are described from Yunnan, China. They are *Viola jizushanensis*; *V. subdelavayi*; *V. binchuanensis*.

**Key words:** *Viola*; New species; Yunnan

### 鸡足山堇菜 新种 图 1: 1—7

*Viola jizushanensis* S. H. Huang sp. nov

Species haec habitu *V. rockiana* W. Beck. affinis sed a qua foliis minoribus basi leviter cordatis divaricatis subtus dense retiformi-striatis. Floribus minoribus, calcaribus petalorum inferiorum brevibus, calcaribus staminum inferiorum brevicomulatis incurvis bene differt.

Herba perennis, 10—25 cm alta. Rhizoma breve, radicibus nigri-brunneis fibrosis numerosis. Caulis gracilis fasciculatus, parce 2—3-folius, infeme efoliatus. Folia basalia majora, cordata vel reniformes, 8—10 mm longa, 12—15 mm lata, apice obtusa vel acuta, basi leviter cordata, divaricata, margine parce crenata, crenis apice glandulis supra viridia, albo-maculata et breviter hirsuta, subtus viridula, dense retiformi-striata, parce maculata, nervis palmatis 5—6, nervulis inconspicuis, petiolus 4—5 (—7) cm longus, folia caulina minora, petiolis brevioribus stipula obovato-oblonga, circ. 1.5 mm longa, 1 mm lata, apice acuta, margine repanda, extra dense retiformi-striata, intus pilosula. Flores flavi, ex axillis foliorum superiorum prodientes, pedicelli graciles, filiformes 1.5—2.5 cm longi, glabri vel parce pilosi, ad medium hibracteolati, bracteolae lineares, sepala linearia, circ. 3 mm longa, 1 mm lata, glabra, apice acuta, basi appendicibus brevibus, subtruncatis, petala obovato-oblonga, margine crispa, superiora 6 mm longa, 2—2.5 mm lata, apice obtusa, basi attenuata, lateralia 6.5 mm longa, 3 mm lata, apice rotundata, basi attenuata, intus supra basin ebarbata, 3—4-purpureo-striata, inferiora obovato-spathulata, 7 mm longa, 2.5 mm lata, apice rotundata, calcani gibboso, circ. 1.5 mm longo, 1 mm lato, ad extremum rotundato; antherae 1 mm

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图 1 1~7. 鸡足山堇菜 1. 植株; 2. 萼片; 3. 上瓣; 4. 侧瓣; 5. 下瓣; 6. 带距雄蕊; 7. 雌蕊; 8~14. 淡黄堇菜 8. 植株; 9. 萼片; 10. 上瓣; 11. 侧瓣; 12. 下瓣; 13. 带距雄蕊; 14. 雌蕊; 15~22. 宾川堇菜 15. 植株; 16~17. 萼片; 18. 上瓣; 19. 侧瓣; 20. 下瓣; 21. 带距雄蕊; 22. 雌蕊。(吴锡麟绘)

Fig. 1~7. *Viola jizushanensis* S. H. Huang 1. Plant; 2. Sepal; 3. Superior petal; 4. Lateral petal; 5. Inferior petal; 6. Calcarate stamen; 7. Gynecium; 8~14. *Viola subdelavayi* S. H. Huang 8. Plant; 9. Sepal; 10. Superior petal; 11. Lateral petal; 12. Inferior petal; 13. Calcarate stamen; 14. Gynecium; 15~22. *Viola binchuanensis* S. H. Huang, 15. Plant; 16~17. Sepal; 18. Superior petal; 19. Lateral petal; 20. Inferior petal; 21. Calcarate stamen; 22. Gynecium. (Drawn by Wu Xi-lin)

longae, appendicibus (projecturis connectivum) deltoideis, calcaribus (nectaribus) staminum inferiorum brevicomutis, circ. 0.5 mm longis, ad extremum leviter incurvis; ovarium ovoideum, glabrum; stylus clavatus, basi leviter geniculatus, versus apicem sensim spissescens; stigma bilobatum, lobis oblique ascendentibus, poro stigmatis leviter ascendenti.

**Yunnan (云南):** Binchuan (宾川), Jizushan (鸡足山), Jindingsi (金顶寺), alt. 2 900 m, in forest, 1987-07-06. Bao Shi-ying (包士英) 206 (Holotypus in KUN).

本种近圆叶小堇菜 (*V. rockiana* W. Beck.), 但叶更小, 基部稍心形叉开, 叶背面有密集网状条纹。花较小, 下花瓣距短, 下方雄蕊距短角状, 下弯而异。

### 淡黄堇菜 新种 图 1: 8~14

*Viola subdelavayi* S. H. Huang sp. nov.

Species haec habitu *V. delavayi* Franch. affinis, sed a qua foliis anguste ovato-deltoideis, margine grosse crenatis. Floribus flavidis, calcaribus staminum inferiorum breviter deltoideis, circ. 0.5 mm longis, stigma capitatis bilobatis, lobis rotundatis strictis bene differt.

Herba perennis. Rhizoma breve, dense radicibus fibrosis nigro-brunneis numerosis. Caulis simplex erectus, 10-20 cm altus, gracilis, glaber. Folia basalia caducua. Folia caulina anguste ovato-deltoidea, 1.2-2 cm longa, basi 0.8-1 cm lata, apice acuminata, basi leviter cordata vel truncata, margine grosse crenata vel irregulare dentata, supra intense viridia, subtus glauca, alveolata, utrinque glabra; petiolus 1-1.5 cm longus, glaber; stipula chartacea, oblique ovato-deltoidea, vel ovato-oblonga, 5-7 mm longa, 2-5 mm lata, margine grosse dentata, glabra. Flores flavidi, ex axillis foliorum superiorum prodientes; pedicelli 2-2.5 cm longi, graciles, glabri, prope apicem bracteolati 2; bracteolae lineares; sepala viridia, linearia vel linearilanceolata, leviter inaequalia, inferne leviter latera, glabra, 3-3.5 mm longa, 0.6-1 mm lata, apice acuminata, basi appendicibus valde brevibus, truncatis; petala superiora obovato-spathulata, circ. 1 cm longa, superne 5 mm lata, apice rotundata, infeme attenuata, basi 1 mm lata, lateralia leviter breviora, intus supra basin ebarbata, inferiora late obovato-spathulata, 9 mm longa, superne 4 mm lata, infeme attenuata, basi 1 mm lata, calcani gibboso, 1.5 mm longo, ad extremum obtuso; antherae circ. 1 mm longae, appendicibus deltoideis, circ. 0.5 mm longis, calcaribus staminum inferiorum brevi-deltoideis, 0.5 mm longis, ovarium ovoideum, glabrum; stylus clavatus, ovario breviora, inferne gracilis, leviter incurvus; stigma capitatum, bilobatum, lobis rotundatis, strictis, antice rostellatum. Capsulae immaturae.

**Yunnan (云南):** Binchuan (宾川), Jizushan (鸡足山), Jindingsi (金顶寺), alt. 2 500 m, in forest, 1987-07-06. Bao Shi-ying (包士英) 264 (Holotypus in KUN); ibid. Zhushengsi (祝圣寺), alt. 2 300 m, in forest, 1987-07-03. Bao Shi-ying (包士英) 90 (KUN).

本种近灰叶堇菜 (*V. delavayi* Franch.), 但本种叶狭卵状三角形, 边缘具粗圆齿。花淡黄色, 下方雄蕊距短三角形, 长约 0.5 mm, 柱头头状二裂, 裂片圆形直立而异。

### 宾川堇菜 新种 图 1: 15-22

*Viola binchuanensis* S. H. Huang sp. nov.

Species haec habitu *V. moupinensis* Franch. affinis, sed a qua plantis minoribus, floribus minoribus, albis, calcaribus patalonum inferiorum gibbosis; calcaribus staminum inferiorum longideltoideis, horizontalibus, 1.5-2 mm longis, ad extremum acuminatis bene differt.

Herba perennis, acaulis. Planta 5-10 cm alta. Rhizoma breve, radicibus fibrosis numerosis. Folia basalia late ovata vel ovato-deltoidea, 1.8-2.2 cm longa, 1.3-2.2 cm lata, apice leviter acuta vel obtusa, basi cordata, margine crenata, supra viridia, parce puberula, subtus viridula, glabra, punctato-glandulosa; petiolus 2-4 cm longus,

anguste alatus; stipula liberata, lanceolata, vel anguste ovata, 4—5 mm longa, 1.5—2 mm lata, apice acuminata, margine parce fimbriato-dentata. Flores albi; pedicelli 4—5 cm longi, glabri, leviter foliis longioribus, prope medium bracteolati 2; bracteolae oblongae, 5—6 mm longae, 1.5 mm latae, apice obtusae, glabrae, virides; sepala elliptica, vel oblonga, viridia, inferiora 2 leviter latiora, 4—5 mm longa, 2—2.5 mm lata, apice leviter acuta, basi appendicibus brevissimis, circ. 0.5 mm longis, obtusis; petala superiora obovata vel suborbiculata, 7 mm longa, 4 mm lata, apice rotundata, basi attenuata, circ. 1 mm lata, glabra, lateralia obovato-oblonga, 7 mm longa, suprema 3.5 mm lata, inferne attenuata, intus supra basin ebarbata, inferiora obovato-spathulata, cum calcani 9.5—10 mm longa, apice leviter emarginata, calcani crasso gibboso, 4.5 mm longo, 3.5 mm diam., ad extremum obtuso; antherae 1.5 mm longae; calcanibus staminum inferiorum longideltoideis, horizontalibus, 1.5—2 mm longis, ad extremum acuminatis; ovarium ovoideum, glabrum; stylus clavatus, basi leviter geniculatus, versus apicem sensim spissescens, stigma utroque latere et post leviter crasso-marginatum, antice rostellatum. Capsulae ellipticae, circ. 5.5 mm longae, 4 mm diam.

**Yunnan** (云南): Binchuan (宾川), Jizushan (鸡足山) alt. 1 900 m, in forest, Li Heng *et al.* (李恒等) 417 (Holotypus in KUN).

本种近 *V. moupinensis* Franch., 但本种植株较小, 花较小, 白色, 下花瓣距短, 浅囊状, 下方雄蕊距长三角形, 水平伸出, 长 1.5~2 mm, 先端渐尖易区别。

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云南马唐属一新变种\*

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A New Variety of *Digitaria* from Yunnan

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**Key words:** *Digitaria*; *Digitaria jubata* var. *brevigluma*; New variety

关键词: 马唐属; 短颖棒毛马唐; 新变种

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短颖棒毛马唐 新变种

*Digitaria jubata* (Griseb.) Hearard var. *brevigluma* H. Peng, var. nov.

A typo gluma superiore brevi, circa 1/2 parte spiculae aequante, aneura vel 1-neura differt.

**Yunnan** (云南): Luquan Xian (禄劝县), Sayingpan (撒营盘), Minglehe (民乐河), grass slope by riverside, alt. 2 140 m, 2002—10—02, Li Rong-Chun (李荣春) *et al.* 0204636 (Holotype KUN, Isotype NAS).

本变种与原变种的区别在于小穗第二颖短小, 仅达小穗的一半, 无脉或仅具 1 脉。

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