

新疆新植物^{*}

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摘要 报道新疆植物区系 7 个新种及 1 个新记录种. 新种是垂梗麻黄、异蕊铁线莲、新疆董菜、片萼点地梅、丁刺茄、宽苞独尾草和尖被韭; 新记录种是密花棘豆. 全部模式标本存中山大学植物标本室.

关键词 新疆植物区系, 新种及新记录种

分类号 Q 949.4

1 垂梗麻黄

Ephedra nutans Miao et Pan, sp. nov.

Species nova ambitu *E. equisetina* Bunge optime similis, sed plantis pumilioribus, foliis 2-lobatis usque ad 1/2, bracteis strobili feminei ovatis, stipitibus brevibus nutantibus, semine delteo-ovoideo differt.

Frutex herbaceus, circ. 20 cm altus; caules lignosi breviores, erecti, circ. 3 mm diam., rubidobrunnei, basi ramigeni; ramis lignosis nonnullis marroninis, circ. 1~2 cm longis; ramulis in nodi oppositis, sulco longitudinali manifesto obsitis, internodio 0.8~2.3 cm longo, circ. 1 mm diam., griseo-viridibus. Folia 2~3 mm longa, 2-lobata? usque 1/2, lobi deltei apice acuti vel obtusi. Strobili unisexuales monoecii; strobilus masculus ovoideus circ. 5 mm longus circ. 2~5 mm latus, breviter stipitatus; bractee 3-jugatae, inferiore 1-jugatae crasse membranaceae, ovatae, circ. 2 mm longae, apice acutae, basi connatae; superiore 2-jugatae dilute parvae, late delteo-ovatae, medio carinatae; pseudotepalum late obovato-orbiculatum, apice rotundum; stamina 6, filamentis omnino connatis, antheris sessilibus; strobilus femineus 2~3 in nodo fasciculatus vel solitarius, stipitatus; stipites 2~3 mm longi nutantes; bractee 3-jugatae, ovatae, inferiore 1-jugatae minimae, tantum basi conjunctivae, sursum gradatim ampliatae, superme 1-jugatae fere 1/2 connatae; integumentum tubus circ. 0.5 mm longus. Semen 1, delteo-ovoideum, circ. 5 mm longum, circ. 2 mm diam., opace nigrum, nulle nitidum.

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Singkiang (新疆): sine data, Depart. Biol. Singkiang Univ. 2167 (Jypus, SYS).

草本状灌木, 小枝对生, 叶顶端 2 裂, 形态上颇似木贼麻黄 *E. equisetina* Bunge, 惟其植株较矮小; 叶 2 裂较深; 雌球花苞片卵形, 短梗下垂; 种子三角状卵圆形等而不同.

2 异蕊铁线莲

Clematis heterostemonis Miao et Pan, sp. nov.

Species *C. orientalis* Linn. proxima, sed foliis biternatis et pinnatis, foliolis subtus sparsim pubescentibus, pedicellis articulatis, sepalis extus glabris intus dense pubescentibus differt.

Liana herbacea. Caules griseo-fulvidi, sparsim pubescentes, longi tudinaliter angulares, nodo leviter dilatato obsiti. Folia biternata, interdum pinnata, 10.5~12 cm longa cum petiolo; foliolis saepe 3-partilis raro 2-fidis vel non lobatis, ovatis, apice obtusis et mucronatis, basi cuneatis usque obtusis, 1.7~3.3 cm longis, 1~2 cm latis, supra glabris, subtus sparsim pubescentibus; petioulis vix nullis usque ad 1.1 cm longis; petiolo 3.7~6 cm longo, basi decurrenti in stenoalas conjunctas inter petiolos oppositos. Cymae axillares, 3-floriferae; pedunculi circ. 2 cm longi, summo 2-involucrati; involucra foliacea, oblonga, circ. 1.5 cm longa, 0.6 cm lata, apice obtusa et mucronata, basi cuneata; pedicelli 2.6~3 cm longi, summo nutantes, pedicelli 2-laterales articulati, articulo 2-bracteati, basi 7 mm distant, bractee angustato-oblongae, 4 mm longae, 1 mm latae, apice acutae; flores campanulati, 2.1 cm diam., sepalia 4, steno-oblonga, circ. 1.2 cm longa, circ. 4 mm lata, extus glabra, intus dense pubescentia, margine cane tomentosa; stamina multa heteromorpha 3-verticillata, serie externa brevissima, intermedia circ. 5 mm longa, interna circ. 6 mm longa; filamenta plana, manifesto ampliata, usque ad 1 mm lata, extus glabra, intus medio et lateribus ambibus dense villosa; antherae oblongae interne insertae, 2~2.5 mm longae; ovarium oblique ovoideum, fere 1 mm altum, pubescens; stylo gracili, circ. 6 mm longo, villoso. Achenia compressa et oblique ovoidea, circ. 1.5 mm alta, pubescentia; stylis persistentibus, circ. 1.5 cm longis, cane villosis.

Singkiang (新疆): Ta-Cheng (塔城), Wu-La-Si-Xiang (乌拉斯乡), 9 Aug. 1984, Depart. Biol. Singkiang Univ. North-2-44 (Typus, SYS).

本种与东方铁线莲 *C. orientalis* Linn. 的区别在于叶具 1 回羽状复叶的同时, 还有 2 回 3 出复叶, 小叶片下面被疏柔毛; 花梗具关节; 萼片外面无毛, 内面密被长柔毛等.

3 密花棘豆

Oxytropis pseudocoerulea P. C. Li in Act. Bot. Yun. 3: 300. 1989

新疆: 八一林场, 1989年 6 月 24 日, 新疆大学生物系 2094.

分布: 云南、新疆. 新疆是新分布.

4 新疆董菜

Viola singkiangensis Miao et Pan, sp. nov.

Species haec *V. kunawarensi* Royle arcte similis, sed planta pumiliore, foliis margine 1~2-emarginatis, stipulis lanceolatis adenodentatis, bracteolis linearilanceolatis

adenodontatis in pedicelli medio vel subsummo positis, petalis puberulis etc. differt.

Herbae parvae, circ. 2.5 cm altae, omnino glabrae, radice stricta singulari perenni obsitae. Folia basalia, ovata, 1~ 1.2 cm longa, circ. 6.5 mm lata, apice obtusa vel rotundata, basi cuneata et decurrentia in stenoalam secus petioli utroque latere, margine integra, sed interdum 1~ 2-emarginata, costa media supra planiuscula, subtus conspicue elevata, nervis lateralibus 3~ 4-jugatis, supra obscuris, subtus manifestis; petiolus planus, 0.7~ 1.5 cm longus; stipulae pro parte minore petiolo adnatae, lanceolatae, margine sparsim glanduloso-dentatae. Pedicellus 0.5~ 20 mm longus, summo recurvus; bracteolae 2 in pedicelli medio vel subsummo positae, lineari-lanceolatae, circ. 0.4 cm longae, margine sparsim glanduloso-dentatae; sepala lanceolata, circ. 3 mm longa, appendicis organum brevis; petala caeruleo-purpurata, utrinque puberula, superiore 2 spathulata, 4~ 5 mm longa, circ. 3 mm lata, apice rotundata; lateribus 2 obovato-lanceolata, circ. 5 mm longa, apice rotundata; inferiore 1 spathulata, cum calcar. 5 mm longa, calcar robustum et brevis, cucullatum circ. 1.5 mm longum, apice rotundatum; filamenta brevissima, antherae biloculares longistrorsum dehiscentes, appendix connectivi luteo-fusca membranacea suborbicularis apice rotundata; ovarium ovoideum glabrum circ. 1 mm altum, stylo complanato glabro circ. 1.5 mm longo, stigmatate rostrato apice poroso.

Singkiang (新疆): sine loc., 2 Jul. 1987, Depart. Biol. Singkiang Univ. 2192 (Typus, SYS).

本种与藏东董菜 *V. kunawarensis* Roule 酷似, 但植株更矮小; 叶边缘有 1~ 2 个微缺刻; 托叶披针形, 有腺齿; 小苞片位于花梗中部或上部, 线状披针形, 有腺齿; 花瓣有微毛而不同. 按《Флора Казахстана》第 6 卷的记载和附图, 本种与天山董菜 *V. tianshanica* Maxim. 亦近似, 但后者的植株略高大; 直根较粗壮; 萼片卵形; 花瓣圆卵形, 无毛而不同.

5 片萼点地梅

Androsace lamelloso-scapa Miao et Pan, sp. nov.

Sect. *Chamejasme* Koch

Herba parva, circ. 4.5 cm alta. Sterigma rosulatum solitarium, circ. 2 cm diam.. Folia obscure dimorpha, in strato ex terno lingulato-lanceolata, 1.3~ 1.4 cm longa, circ. 2 cm lata, apice acuta, basi gradatim angustata, subtus glabra, supra minute stellato-pilosa, margine integra; interno lingulata, 0.9~ 1.1 cm longa, apice leviter obtusata, basi leviter angustata, subtus glabra, supra pilis stellatis minutis obsita, margine integra, sed interdum 1~ 2-dentata. Scapi 2 e folii fasciculo exeuntes, lamellati, interne concavi, circ. 3 mm alti, utringue luteole stellato-pilosi; umbellae multiflorae; bracteae lanceolatae, naviculares, circ. 3 mm longae, sparsim stellato-pilosae; pedicelli filiformes, non aequilongi, 0.3~ 2.8 cm longi, minute stellato-pilosi; calyx cupularis, circ. 3 mm longus, 5-fidus, lobi deltei, apice arguti vel obtusiusculi. Capsulae subglobosae, luteolae, calycem paulo superantes, 5-valvatae, valvae apice leviter argutae, semina 5, nigro-brunnea, ovoidea, apice obtuse acuta, dorso laevia, ventice triangularia.

Singkiang (新疆): sine data, Depart. Biol. Singkiang Univ. s. n., Her. Sunyatsen

Univ. no. 167730 (Typus, SYS).

本种的花萼薄片状, 2枚, 其上长许多伞形花序, 在点地梅属中显得较特殊.

6 丁刺茄

Solanum acanthoversabilis Miao et Pan, sp. nov., Sect. Solanum

In aliquot characteribus, ut foliis ovatis utrinque pubescentibus, cymis scorpioideis etc. species haec *S. nigro* Linn. plus minusve proxima, sed caulibus frutescentibus, glabris, ramis juvenilibus steno-alatis, alae spinis versabilibus obsitae etc. differt.

Caulis erecti, frutescentes, ramosi; rami veteres robusti griseo-luteoli glabri; juveniles purpurascens angulate stenoalati, alae spinis setaceis versabilibus basi tubercularibus obsitae. Folia chartacea, late ovata usque lanceolata, 2.8~7.5 cm longa, 2.5~4.3 cm lata, apice longe acuminata, basi late cuneata atque decurrentia, margine integra vel repandula, utrinque pubescentia; nervis lateralibus utroque 5~6 petiolus 1~2 cm longus, stenoalatus. Infructescentia scorpioidea in parte exteriori axillae inserta, 8~12-fructifera, pedunculus fructifer 1.5~3 cm longus, glaber, pedicello leviter gracili, 1~9 mm longo. Baccae globosae, circ. 7 mm diam., in sicco rubrae vel nigro-purpureae, basi calyce persistenti 5-fido obsitae, lobi deltei, apice acuti vel obtusi, sparsim pubescentes; semina plurima, ovoidea, circ. 2 mm diam., luteola, utroque latere compressa.

Singkiang (新疆): Tacheng (塔城), Wu-La-Si Xiang (乌拉斯乡), 9. Aug. 1984, Depart. Biol. Singkiang Univ. North-2-54 (Typus, SYS).

本种形态上的某些特征接近龙葵 *S. nigrum* L., 如叶卵开, 两面被短毛, 蝎尾状聚伞花序等, 但不同的是, 本种为灌木状, 茎无毛, 幼枝具窄翅, 翅上具刚毛状的丁字刺.

7 宽苞独尾草

Eremurus latibracteatus Miao et Pan, sp. nov.

Ebracteae forma species nova *E. anisoptero* (Kar. et Kir.) Regel paulo similaris, sed caulibus pubescentibus, bracteis brevioribus, tantum 6 mm longis, tepalis basi 3-nervis differt.

Herba robusta, circ. 50 cm alta. Radicibus carnosis multis circ. 6 mm crassis. Caulis erecti, simplices, cane pubescentes, basi residuis fibrosis et vaginis membranaceis luteo-fuscis obsiti, vaginae multinerves apice acutae. Folia basilaria, ensiformia, circ. 32 cm longa, circ. 1.5 cm lata, utrinque subglabrae, margine sparsim pubescentia, apice acuta. Flores multi, secus scapan in racemum densum dispositi, rhachidibus dense pubescentibus, in fructu pilositate sparsis; bracteae lanceolatae, circ. 6 mm longae, apice longe caudatae, margine dense villosae, dorso costa 1 brunnea pubescenti obsitae; pedicelli circ. 1 cm longi, superiore articulati; tepala lanceolato-oblonga, circ. 1.1 cm longa, apicis margine puberula, inferiore 3-nervosa, supra submedium in nervum 1 connata; filamenta circ. 1.1 cm longa, infra medium gradatim ampliata, basi circ. 1 mm lata. Capsulae globosae, 1.1 cm diam., superficie rugosae, viridiluteolae; semina triangularia, membranaceae alata.

Singkiang (新疆): sine loco accurato, sabuleta, Depart. Biol. Singkiang Univ. 90-

0696, 90-0671 (Typus, SYS).

从苞片形态来看, 新种颇似异翅独尾草 *E. anisopterus* (Kar. et Kir.) Regel, 但茎被短柔毛, 苞片较短, 长只 6 cm, 花梗具关节, 花被片基部有 3 脉等而不同.

8 尖被韭

Allium acrotepalum Miao et Pan, sp. nov. Sect. *Rhiziridium* G. Don

Herba perennis circ. 30 cm alta; bulbi aliquot congesti, cylindrati, 0.6 cm crassi, tunicis nigrobrunneis, unilatetaliter dehiscentibus, apice sublaceris. Folia 2~ 3, late linearia, scapo longiora, 1.5~ 3 mm lata. Scapus cylindratus, gracilis, 17~ 22 cm altus, summo involucri remanentibus albescentibus membranaceis obsitus, umbellae aliquot florigerae, laxae; pedicelli subaequilongi, circ. 7 mm longi, graciles, stenopteri et summo praesertim conspicui, basi ebracteolati; tepala oblongo-lanceolata, circ. 7 mm longa, circ. 2 mm lata, apice acuminata, acumine in longe rostrum saepe angustato; filamenta aequilonga, circ. 8 mm longa, tepalum paulo superpendentia, basi conjuncta atque tepalis adnata, infimo partis liberae ampliata, fere 1 mm lata, sursum ad apicem sensim attenuata in subula; antherae steno-oblongae dorsales; ovarium ellipsoideo-trigonum, apice concavum, stylus filamentum subaequilongus gracilis glaber, stigmatibus arguto.

Singkiang (新疆): sine data, 3 Aug. 1983, Depart. Biol. Singkiang Univ. s. n., Herb. Sunyatsen Univ. no. 167769 (SYS)

从鳞茎、花被、花丝等形态上有点类似长喙葱 *A. globosum* M. Bieb. ex Redoute, 惟本种叶条形非半圆柱形; 伞形花序松散, 具较长的小梗, 而非球形, 可作区别.

New Taxa of Singkiang Flora

Miao Ruhuai* Pan Xiaoling

Abstract In this paper 7 new species and 1 new record from Singkiang Flora are reported. The new species are *Ephedra nutans* Miao et Pan, *Clematis heterostemonis* Miao et Pan, *Viola singkiangensis* Miao et Pan, *Androsace lamellosa-scapa* Miao et Pan, *Solanum acanthoversabilis* Miao et Pan, *Eremurus latibraceatus* Miao et Pan and *Allium acrotepalum* Miao et Pan. But *Oxytropis pseudocerulea* P. C. Li is treated as a new record in the Flora. The Types are all deposited at Sunyatsen University Herbarium (SYS).

Keywords Singkiang Flora, new species, new record

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