

## 青海齿缘草属(紫草科)一新种

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A NEW SPECIES OF ERITRICHIUM  
SCHRAD. (BORAGINACEAE) FROM QINGHAI

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【摘要】紫草科 Boraginaceae 青海齿缘草属 (*Eritrichjum*) 新种, 互助齿缘草 *E. huzhuense*.

关键词 青海 互助齿缘草 新种

Key words: Qinghai; *Eritrichium huzhuense*; New species

互助齿缘草 图 1:1—9

*Eritrichium huzhuense* X. F. Lu et G. R. Zheng, sp. nov.

Affine *E. petiolaris* W. T. Wang, a quo reliquiis petiolorum foliorum basi dilatatis, late ovatis membranceis, alatis, foliis basalibus valde majoribus, foliis caulinis eis dimidio minoribus, basi breve angustatis vel late cuneatis, manifeste brevissime petiolatis, pedicello longiore sub fructu curvato, nuculae spinis basi in alam latam angustamve connatis, nucula ventre prope apicem cicatrice praedita differt.

Herba perennis, 20–30 cm alta. Radix subcarnosa, simplex; rhizoma abbreviatum, non ramosum, rectum reliquiis petiolorum foliorum emortuorum basi dilatatis, late ovatis membranceis nigro-brunneis, alatis vestitum. Caules singulares vel nomnuli, superne sparsim dichotome ramosi, sparsim strigosi. Folia basalia densa, longe elliptica, oblanceolata vel oblonga, 2.8–10 cm longa, 8–19 mm lata, apice acuta, basi utrinsecus deorsum in petiolum breve angustata, costa manifesta, venulis valde obscuris sub apice evannidis, supra sparsim strigosa, subtus strigis discis basalibus instructis vestita, petiolis 15–30 mm longis; folia caulina pauca ovato-lanceolata vel elliptica, plerumque foliis basalibus dimidio minora, basi rotunda vel late cunea-

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ta, petiolis brevioribus, non ultra 8 mm longis.

Inflorescentiae terminales, racemiformes graciles, sub fructu elongatae ad 20 cm longae pendulae, floribus super-vel extra-axillaribus, saepe secundis; bracteis inferis foliaceis, sed minoribus, superis linearibus ca. 5 mm longis; pedicellis sub anthesi rectis, 4-8 mm longis, sub fructu elongatis ad ca. 20 mm longis (infimo usque ad ca. 30 mm longo), pendulis; calycis lobi lineari-ovati vel anguste lanceolati, 2-2.4 mm longi, sub fructu paulo dilatati usque 3.5 mm longi, extus strigosi vel hispidi, intus prope apice strigosi; corolla pallide caerulea usque cyanea, fauce armeniaca, tubo 1.5-1.8 mm longo, limbo rotato, 7-8 mm diam, lobis late obovato-rotundis, 3.5-4 mm latis, fornicibus trapezoideis, 0.5-0.8 mm altis, prominulis vel paulo exsertis, apice retusis, margine dense papillois; stamina prope medium tubo corollae inserta, antheris ellipticis, ca. 0.8 mm longis, filamentis brevissimis; stylus ca. 2 mm longus. Nuclae dorsi-ventraliter compressae, strigulosae, ovato-oblongae spinis exceptis 2-2.5 mm longae, ca. 1.5 mm latae, dorso ad centrum obscure costatae, ventre prope apicem cicatricibus praeditae, spinis glochidiatis ca. 1-1.5 mm longis, basi triangulatis in alam latam angustamve connatis.

Qinghai(青海): Huzhu County(互相县), Beishan Forestry Centre(北山林场), Qinggangxia(青岗峡), on grassland under cliff, Aug., 1988, Zheng Guangrong(郑光荣), s. n. (Type: HNWP).

多年生草本,高 20—30 cm。根近肉质,不分枝;

根茎缩短,不分枝,直,外被宿存枯叶柄,枯叶柄基部变宽为宽卵形、膜质、黑褐色的翅。茎单出或数枚,上部有疏的二叉状分枝,疏被糙伏毛。基出叶密集成丛,长椭圆形、倒披针状或长圆形,长 2.8—10cm,宽 8—19mm,顶端急尖,基部两边向下急狭成柄,中脉明显,侧脉极不清晰并于顶端消失,上面疏被糙伏毛,下面被具基盘糙伏毛;叶柄长 15—30mm;茎生叶较少,卵状披针形或长椭圆形,至多仅基出叶一半大小,基部近圆形或宽楔形,叶柄极短,长不过 8mm。花序顶生,呈总状花序,柔弱,果期伸长达 20cm,下弯;小花腋上或腋外着生,常偏向一侧;苞片与叶同形但甚小,向上渐为线形,长仅 5mm;花梗于花期时直,长 4—8mm,果期时伸长达 20mm(花序下部小花具长达 30mm 的梗)并下弯;花萼裂片线状披针形或狭卵形,长 2—2.4mm,果期时略膨大至 3.5mm 长,外面被糙伏毛或长硬毛,内面顶端附近被糙毛;花冠淡蓝色至蓝色,喉部橙黄色,筒部长 1.5—1.8 mm,檐部辐状,直径 7—8 mm,裂片宽倒卵圆形,长 3.5—4mm,宽 3—3.5mm,附属物梯形,高 0.5—0.8mm,隆起或稍伸出喉部,顶端微凹,边缘密生乳突;雄蕊着生于花冠筒近中部,花药椭圆形,长约 0.8mm,花丝极短;花柱长约 2mm。小坚果背腹两面体型,被有微糙毛,除棱缘的刺外 2—2.5mm,宽约 1.5mm,背面中央具较不明显的中肋,着生面位于腹面近基部,锚状刺长 1—1.5mm,基部三角状加宽并连合成或宽或窄的翅。

本种与具柄齿缘草(*E. petiolare* W. T. Wang)相似,但以其枯叶柄基部宽为宽卵形、膜质的翅,基出叶很大,茎生叶仅为基出叶的 1/2,基部急狭成为宽楔形,有短而明显的柄,花梗较长并于果期弯曲,小坚果棱缘的刺基连合成或宽或窄的翅,着生面位于腹面近基部而明显不同。



图 1 1—9:互助齿缘草

Fig. 1 1—9 *Eritrichium huzhuense* X. F. Lu et. G. R. Zheng:

1. 植株, 2. 花萼, 3. 花冠, 4—6. 小坚果(前面、侧面、背面), 7. 枯叶柄基部, 8. 叶上面糙毛, 9. 叶背面具基盘糙毛(闫翠兰绘), 郑光荣 1988: 采于互助北山林场青岗峡。(1)全株×1; (2)花萼×10; (3)花冠展开(内观)×7; (4)果实正面×10; (5)果实腹侧面×10; (6)果实背侧面×10; (7)残叶柄基部×2; (8)叶面毛×30; (9)叶背具基盘的毛×30 1. plant, 2. calyx, 3. corolla opened, 4—6. Nucula (front, lateral and back), 7. base relict petiole, 8. hairs on leaves, 9. the hair with a disc on leaf back (Yan Cuilan)