

## 2 怒江黄鹤菜 新种 图 2:2

*Youngia nujiangensis* Shih, sp. nov.

Species nostra *Y. piliferae* Shih affinis, sed involucris minoribus, 7 mm longis, foliis ellipticis, longe ellipticis, longe elliptico-oblancoelatis differt.

Herba perennis, radice verticali vel obliqua. Caulis 15 cm altus, basi 1 mm in diametro, reliquiis petiolorum veterum brunneis, e basi pauce et longe ramosus, omnino parce sed sub calathidiis dense pubescens. Folia basalia rosularia, elliptica, longe elliptica, vel longe oblanceolato-elliptica, 1.5—3 cm longa, 0.5—1.2 cm lata, apice obtusa vel acuta, margine integra, sparsim dentata vel inconspicue pinnatifida, basi in petiolos alatos, 1—2.5 cm longos attenuata; folia caulina nulla vel fere nulla vel ea ad furcas ramorum inflorescentiae subulata vel lineari-subulata, minima; omnia textura crassa, utinque laxe hirtella. Calathidia 3—8 in numero, ad apicem ramorum et caulis inflorescentiam corymbosam formantia. Flosculi 12 in numero, ligulati, flavi, tubis glabris. Involucrum anguste cylindricum, 7 mm longum, cujus phylla 4-seriata, extrema et externa triangulata vel late triangulata, 1—1.5 mm longa, 1 mm vel vix 1 mm lata, apice acuta vel obtusa, intima et interna lanceolata, 7 mm longa, 1 mm lata, intus glabra; omnia extus glabra, sub fructu nigro-viridia. Achaenia fusiformia; brunnea, 3.8 mm longa, costis 14, inaequalibus spinulosis. Pappus albus 5 mm longus, inconspicue scaber.

**Yunnan** (云南): Nujiang (怒江). alt. 1750 m, 1938-06-26, T. T. Yu (俞德浚) 19199 (Typus, PE).

## 3 糙毛黄鹤菜 新种 图 1:3—4

*Youngia pilifera* Shih, sp. nov.

Species nostra *Y. terminali* Babcock. et Stebbins affinis, sed caulibus inferne sericeis, foliis utrinque hirtellis differt.

Herba perennis, radice gracili, verticali vel obliqua. Caulis 8—30 cm altus, basi vix 1 mm in diametro, reliquiis petiolorum veterum brunneis, inferne sericeus, superne glaber, e basi vel medio pauce ramosus, sed plerumque superne corymboso-ramosus, ramis gracilibus. Folia basalia indivisa, ovato-elliptica, late ovata, orbicularia vel elliptica, 0.7—2 cm longa, 0.6—1.5 cm lata, apice rotundata vel obtusa, margine integra, basi late cuneata vel rotundata; petiolata, petiolis 1—1.8 cm longis, vel lyrato-pinnatipartita, -pinnatilobata, ambitu oblanceolata, 1—3 cm longa, 1.2 cm lata, petiolata, petiolis 1—1.5 cm longis, sericeis, lobis terminalibus ellipticis vel hastatis vel irregulariter hastatis, apice rotundatis vel obtusis, margine integris vel remote magno-dentatis, lobis lateralibus 2—4-jugis, triangularibus, ellipticis, margine integris, apice acutis, rotundatis vel obtusis; folia caulina pauca, 1—2 in numero, longe elliptica, apice longe acuta, basi attenuata, sessilia; ea ad furcas ramorum inflorescentiae subulata, minima; omnia utrinque hirtella. Calathidia pauca, ad apicem ramorum et caulis inflorescentiam corymbosam vel corymboso-paniculatam formantia. Flosculi 11 in numero, ligulati flavi, tubis pubescentibus. Involucrum anguste cylindricum, 8—10

mm longum, sub fructu nigro-viride, cujus phyllis 4-seriatis, extremis externisque brevissimis, late ovatis, 1.5 mm longis et latis, apice acutis vel obtusis, intimis internisque longis-



图2 1. 戟裂黄鹌菜; 2. 怒江黄鹌菜。(蔡淑琴绘)  
Fig. 2 1. *Youngia hastiformis* Shih; 2. *Y. nujiangensis* Shih.

simis, lanceolatis, 7—8 mm longis, 1 mm latis, apice acutis vel obtusis, dorso glabris, juxta apicem corniculatis, intus hirtellis. Achaenia immatura. Pappus albus 5 mm longus.

**Sichuan** (四川): Kangding (康定), in valle, alt. 3200 m, 1982-07-30, K. Y. Lang (郎楷永) 754; *ibid.*, in valle, alt. 3600 m, 1963-07-20. K. J. Kuan et W. T. Wang (关克俭与王文采) 788 (Typus, PE); *ibid.* 1934-07-11, Z. S. Liou (刘振书) 684; *ibid.* alt. 3300 m, inter frutices, K. Y. Lang (郎楷永) 650.

#### 4 娟毛黄鹌菜 新种

**Youngia sericea** Shih, sp. nov. — *Youngia gracilipes* auct. non (Hook. f.) Babcock et Stebbins: Y. C. Tang in C. Y. Wu, Fl. Xizangica 4:965. 1985, p. p.

Herba rosularia perennis, 3—6 cm alta, radice verticali. Caulis principalis inconspicuus, e basi breviter et graciliter ramosus, omnino, vel sub calathidia densius sericeus. Folia basalia, vel subbasalia, ambitu oblanceolata vel longe elliptica, 1—3.5 cm longa, 0.4—1.5 cm lata, utrinque crispato-pubescentia, pinnatipartita, lobis lateralibus 4—5-jugis, oppositis vel obliquis, anguste triangularibus, late falcatis, apice acuminatis, margine fere integris vel latere 1-dentatis, lobis terminalibus longe ellipticis, longe triangulatis vel orbicularibus, apice acutis, rotundatis obtusisve. Calathidia 5—9 in numero, in rosula foliorum inconspicue corymboso-disposita. Flosculi 9 in numero, ligulati flavi, tubis glabris. Involucrum campanulatum, 1 cm longum, cujus phylla 4-seriata, extrema externaque longe ovata usque ad lanceolata, 2—3 mm longa, circiter 1 mm lata, apice obtusa vel acuta, intima internaque lanceolata, 1 cm longa, 1.4 mm lata, apice acuta vel obtusa, margine albo-membranacea, intus glabra, omnia sub fructu nigro-viridia, extus adpresso-crispato-albo-sericea. Achaenia nigra, costis 14, inaequalibus, spinulosis, apice truncata, erostrata. Pappus albus, 6 mm longus.

Ex affinitate *Y. gracilipidi* (Hook. f.) Babcock et Stebbins., a qua differt involucri phyllis extus sparse albo-sericeis.

**Xizang** (西藏): Zayü (察隅), in declivitate petrosa, alt. 3400 m, 1935-09, C. W. Wang (王启无) 66254 (Typus, PE); *ibid.*, in declivitate glareosa, alt. 3300 m, 1973-06-21, Qinghai-Xizang Exped. (青藏队) 73-273 (Typus, PE).

#### 5 戟裂黄鹌菜 新种 图 2:1

**Youngia hastiformis** Shih, sp. nov.

Ex affinitate *Y. wilsonii* Babcock et Stebbins, e ea differt segmentis terminalibus foliorum hastatis.

Herba annua. Caulis erectus, 27 cm altus, superne corymboso-ramosus, omnino glaber, basi 1 mm in diametro. Folia inferiora mediaque pauca, 2—3 in numero, ambitu elliptica, 4.5 cm longa, 1.5 cm lata vel lanceolata, 5.5 cm longa, 2 cm lata, pinnatisecta vel lyrato-pinnatisecta, segmentis terminalibus triangularibus vel hastatis, segmentis lateralibus triangularibus 1—3-jugis, oppositis vel alternatis vel obliquis, omnibus apice acutis vel acuminatis, margine integris, utrinque glabris; folia superiora linearia, utroque acuminata,

Yunnan (云南): Zhongdian (中甸), in declivitate, alt. 3000 m, 1937-06-04, T. T. Yu (俞德浚) 11568 (Typus, PE).

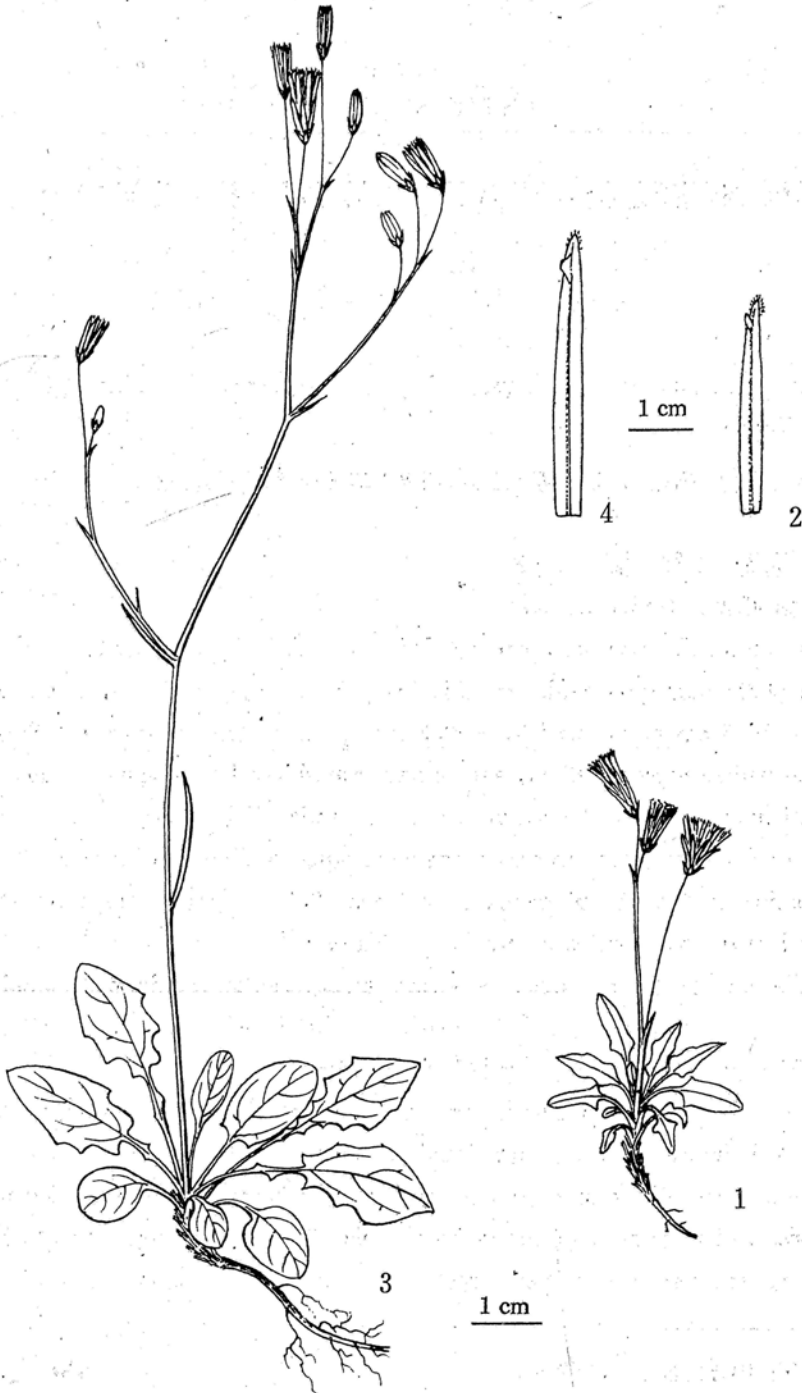


图1 1—2. 矮小黄鹌菜 1. 植株; 2. 内层总苞片。3—4. 糙毛黄鹌菜 3. 植株; 4. 内层总苞片。(蔡淑琴绘)  
Fig. 1 1—2. *Youngia yilingii* Shih. 1. plant; 2. inner involucre bract. 3—4. *Y. pilifera* Shih  
3. plant; 4. inner involucre bract.