

四川紫菊属二新种

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SPECIES DUAE NOVAE NOTOSERIDIS E PROVINCIA SICHUAN

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Abstract Two new species of the genus *Notoseris* (Compositae) are described from Sichuan Province, China. They are *Notoseris nanchuanensis* Shih, *N. dolichophylla* Shih.

Key words *Notoseris*; *N. nanchuanensis*; *N. dolichophylla*.

关键词 紫菊属; 金佛山紫菊; 长叶紫菊

金佛山紫菊 图 1:1

Notoseris nanchuanensis Shih, sp. nov.

A. N. psilolepidi Shih, cui affinis, sed foliis inferioribus mediisque hastato-triangulatis, basi late cuneatis vel subtruncatis bene differt.

Herba perennis. Caulis solitarius, erectus, 40—80 cm altus, basi 4 mm diam., superne paniculato-ramosus, ramis gracilibus, glabris. Folia basalia ignota; folia inferiora mediaque hastato-triangulata, 7—9.5 cm longa, 5.5—6 cm lata, margine sparsim mucronulata, apice acuminata, basi late cuneata vel subtruncata, petiolis ad 5 cm longis, breviter angustato-alatis; folia superiora basalibus mediisque similia sed minora vel lanceolata, 2 cm lata, inclusis petiolis 10 cm longa, margine sparsim mucronulata, vel irregulariter rhombiformia, 12 cm longa, c. 4 cm lata, margine mucronulato-denticulata vel-dentata; folia per inflorescentiam minima, linearia, 1.5—2.5 cm longa, 1.5—2 mm lata, margine obscure minute mucronulata; omnia textura tenuia, glabra. Calathidia numerosa, ad ramos et caulem inflorescentiam paniculatam formantia. Involucrum anguste campanulatum, 1 cm longum, 2 mm diam., phyllis 3-seriatis, externis ovatis, 1 mm longis, vix 1 mm latis, apice acutis, mediis lanceolatis, 2.5 mm longis, 1 mm latis, apice acutis, interinis longe ellipticis, 1 cm longis, 1.5 mm latis, apice obtusis vel rotundatis, omnibus glabris purpureis. Flosculi ligulati, 5 in numero, purpurei. Achaenia longe elliptica, purpurea, dorsi-ventraliter compressa, 5 mm longa, 0.8 mm lata, apice truncata, nonrostrata, costulata, facie costulis 7 in numero, inaequicrassis, prominentibus. Pappi setae 2-seriatae, albae,



图1 1. 金佛山紫菊 *Notoseris nanchuanensis* Shih. 2. 长叶紫菊 *N. dolichophylla* Shih. (蔡淑琴绘)

7 mm longae, obscure minute scabrae.

Sichuan: Nanchuan Jinfushan, 1957. 09. 22. Li Guo-feng 64320 (Typus, SZ).

多年生草本植物。茎单生, 直立, 高 40—80 cm, 基部直径 4 mm, 上部圆锥状分枝, 分枝纤细, 光滑无毛。基生叶未见; 中下部茎叶戟状三角形, 长 7—9.5 cm, 宽 5.5—6 cm, 边缘有稀疏小尖头或无小尖头, 顶端渐尖, 基部宽楔形或几截形, 叶柄长达 5 cm, 有短而狭的翼; 上部茎叶与中下部茎叶同形但较小或披针形, 宽 2 cm, 包括叶柄长 10 cm, 边缘有稀疏的小尖头, 或上部茎叶不规则菱形, 长 12 cm, 宽约 4 cm, 边缘有锯齿或小锯齿, 齿顶有尖头; 花序枝上的叶最小, 线形, 长 1.5—2.5 cm, 宽 1.5—2 mm, 边缘有不明显小尖头; 全部叶质地薄, 光滑, 无毛。头状花序多数, 沿茎枝排成圆锥花序。总苞狭钟状; 长 1 cm, 直径 2 mm, 总苞片 3 层, 外层卵形, 长 1 mm, 宽不足 1 mm, 顶端急尖, 中层披针形, 长 2.5 mm, 宽 1 mm, 顶端急尖, 内层长椭圆形, 长 1 cm, 宽 1.5 mm, 顶端钝或圆形, 全部苞片紫色, 无毛。小花舌状, 紫色, 5 枚。瘦果长椭圆形, 紫色, 背腹压扁, 长 5 mm, 宽 0.8 mm, 顶端截形, 无喙, 有不等形的高起小肋, 每面有小肋 7 条。冠毛刚毛 2 层, 白色, 长 7 mm, 边缘微粗糙。

本种接近光苞紫菊 *N. psilolepis* Shih, 但本种的中下部茎叶为戟状三角形, 基部宽楔形或几截形, 二者区别明显。

长叶紫菊 图 1:2

Notoseris dolichophylla Shih, sp. nov.

A *N. porpyreolepiti* Shih caulibus superne et ramis villis multicellularibus nodulis obtectis et foliorum lobis lateralibus pluribus, 7—9-jugis, petiolis brevissimis, 1—1.5 cm longis bene differt.

Herba perennis. Caulis solitarius, erectus, 45 cm altus, basi 6 mm diam., superne paniculato-ramosus, ramis gracilibus, villis multicellularibus nodulis dense obtectis, Folia basalia inferioraque ignota; folia media anguste longissima, petiolis 1—1.5 cm longis, ambitu longe oblanceolata, pinnatisecta vel subpinnatisecta, 20—22 cm longa, 4—6 cm lata, lobis terminalibus ellipticis, apice acutis vel acuminatis, lobis lateralibus 7—9-jugis, oppositis vel oblique oppositis vel alternatis, ellipticis vel semi-ellipticis, basi confluentibus vel petiolatis, in eisdem partibus aequimagnis, lobis lateralibus mediis majoribus, 2.5—4.5 cm longis 1—2 cm latis, a medio sursum ad apicem et deorsum ad basin gradatim minoribus, lobis lateralibus basalibus minimis, auriculiformibus, omnibus textura tenuibus, glabris, utrinque viridibus, subtus pallidis, margine apiculato-pauci-denticulatis vel obscure mucronulato-denticulatis. Calathidia numerosa, ad apicem caulis et rami inflorescentiam paniculatam formantia. Involucrum anguste campanulatum, 1 cm longum, 3 mm diam., phyllis 3-seriatis, externis ovatis, 1 mm longis, vix 1 mm latis, apice acutis, mediis lanceolatis, 1.5—3 mm longis, 1 mm latis, apice, acutis, internis longe ellipticis, 1 cm longis, 2 mm latis, apice obtusis, omnibus purpeis. Flosculi ligulati, 5 in numero, purpurei. Achaenia imatura. Pappi setae albae, 2-seriatae, 7 mm longae, obscure minute scabrae.

Sichuan: Tianquan, in sylvia in declivio, alt. 1660 m 1983. 05.17. Peng Ding-yi 47871 (Typus, CDBI).

多年生草本。茎单生, 直立, 高 45 cm, 基部直径 6 mm, 上部圆锥状分枝, 分枝纤细, 被稠密的多细胞节毛。基生叶及下部茎叶未见; 中部茎极狭长, 有 1—1.5 cm 的短叶柄, 全形长倒披针形, 羽状全裂或几羽状全裂, 长 20—22 cm, 宽 4—6 cm, 顶裂片椭圆形, 顶端急尖或渐尖, 侧裂片 7—9 对, 对生或偏斜对生或互生, 椭圆形或半椭圆形, 基部与叶轴融合或有短叶柄, 同对裂片等大, 中部侧裂片较大, 长 2.5—4.5 cm, 宽 1—2 cm, 自中部向