

## 广西沿阶草属三新种

方 鼎

(广西中医药研究所, 南宁 530022)

### THREE NEW SPECIES OF *OPHIPOGON* (LILIACEAE) FROM GUANGXI, CHINA

Fang Ding

(Guangxi Institute of Traditional Medical & Pharmaceutical Sciences, Nanning 530022)

关键词 沿阶草属; 新种; 广西

Key words *Ophiopogon*; New species; Guangxi

分类号 Q949.71

1 白边沿阶草 新种 韭叶柴胡(贺县)(图1, 1-2)

*Ophiopogon albimarginatus* D. Fang, sp. nov, (Sect. Sarmentosi H. Li et Y. P. Yang)  
(Fig. 1, 1-2)

*O. reptanti* Hook. f. affinis, sed foliis 6-11 mm latis, bracteis pedicellis longioribus, floribus multis, perianthii segmentis persistentibus albi-marginatis, seminibus late ellipsoideis recedit.

Radices (1-2)-3 mm in diam.; caulis teres, decumbens vel inferne prostratus supra medium erectus, 13-22 cm vel ultra longus, 2-5 mm in diam., internodiis inter fasciculos foliorum vaginatis, nodis radicanibus et foliatis. Folia longe linearia usque anguste elliptico-linearia, 14-29 cm longa, 6-11 mm lata, apice acuminata, basi paulo attenuata, margine serrulata, 5-9-nervata, costa conspicua, petiolis indistinctis. Racemus ex axillis foliorum superiorum oriundus, 4.5-6.5 cm longus, c. 14-18-florus, pedunculo compresso anguste bialato; flores saepe 2-3 in axilla bractee affixi; bractee lineari-lanceolatae usque anguste ovatae, infimae 2 cm longae basi 3-5 mm latae, praeter costas albidae membranaceae; pedicelli 6-9 mm longi, inferne interdum prope medium articulati, bracteis breviores; perianthii segmenta persistentia 6, anguste ovata usque lanceolata, 7 mm longa, 2-3 mm lata, purpurea et albi-marginata, superne reflexa, apice obtusa; stamina et stylus ignotus. Semina late ellipsoidea, 8-11 mm longa, 5-8 mm in diam..

Guangxi (广西): Hexian(贺县), Nanxiang(南乡), medicinal, 1977. 09. 29, Hexian

Exped. (贺县队) 7-642 (GXMI); ibidem, Daguishan Tree Farm (大桂山林场), valley, in forest, alt. 300 m, 1989. 10. 16, D. Fang, Gao Chengzhi and Yan Kejian (方鼎、高成芝、严克俭) 80952 (holotype, GXMI).

根粗(1-2)-3 mm; 茎圆柱形, 外倾或下部平卧而上部直立, 长13-22 cm或过之, 粗2-5 mm, 每隔几节距离生根和叶簇。叶长线形至狭椭圆状线形, 长14-29 cm, 宽6-11 mm, 先端渐尖, 基部稍收狭, 边缘有细锯齿, 具5-9条脉, 中脉明显; 叶柄不明显。总状花序自茎先端的叶腋中抽出, 长4.5-6.5 cm, 着花约14-18朵; 花序梗压扁, 两侧具狭翅; 花常2-3朵簇生于苞片腋内; 苞片线状披针形至狭卵形, 最下部的长2 cm, 基部宽3-5 mm, 除中脉外白色, 膜质; 花梗长6-9 mm, 关节在下部或有时近中部, 短于苞片; 宿存的花被片6, 狭卵形至披针形, 长7 mm, 宽2-3 mm, 紫色而具白边, 上部外反, 先端钝; 雄蕊和花柱未见。种子宽椭圆形, 长8-11 mm, 粗5-8 mm。

本种与蔓茎沿阶草 *O. reptans* Hook. f. 接近, 但叶宽6-11 mm。苞片长于花梗, 花多数, 宿存的花被片具白边, 种子宽椭圆形; 蔓茎沿阶草叶宽2-4 mm, 苞片短于花梗, 花少数, 花被片果时无白边, 种子近球形。

## 2 丝梗沿阶草 新种 吉防风(大新) (图1, 3-4)

*Ophiopogon filipes* D. Fang, sp. nov. (Sect. Sarmentosi H. Li et Y. P. Yang) (Fig. 1, 3-4)

Species habitu *O. chingii* Wang et Tang proxima, sed foliis basi non attenuatis, bractea longe lineari-lanceolata usque anguste triangulari viridula infima 6 cm longa, pedicellis longioribus filiformibus supra medium articulatis, perianthii segmentis brevioribus 3.5 mm longis salmoneis differt.

Caulis teres, decumbens, ultra 19 cm longus, 3-5 mm crassus, infra medium reliquius vaginarum dense obtectus, superne foliis disperse dispositus. Folia sessilia, longe linearia, 16-24 cm longa, 2.5-5 mm lata, apice acuminata, basi non attenuata, margine serrulata, 5-6-nervata. Racemus ex axillis foliorum superiorum, oriundus, 12 cm longus, c. 60-florus, pedunculo c. 5 cm longo; flores saepe 2-4 in axilla bractee caespitosi; bractee longe lineari-lanceolatae usque anguste triangulares, infimae 6 cm longae basi c. 2 mm latae, viridulae, costatae; pedicelli 13-15 mm longi, filiformes, supra medium articulati; alabastra late ovoidea; perianthii segmenta 6, ovata usque anguste ovata, 3.5 mm longa, 2-2.5 mm lata, salmonea, apice obtusa; filamenta brevissima; antherae anguste ovatae, 2.5 mm longae, liberae; stylus subconoides, 4 mm longus. Semina non visa.

Guangxi (广西): Daxin (大新), Fulong (福隆), on limestone hill, fl. salmon-pink, medicinal, 1983. 10. 21, Tao Yipeng (陶一鹏) 34221 (holotype, GXMI).

茎圆柱形, 外倾, 长超过19 cm, 粗3-5 mm, 具散生叶和残存的叶鞘。叶无柄, 长线形, 长16-24 cm, 宽2.5-5 mm, 先端渐尖, 基部不收狭, 边缘有细锯齿, 具5-6条脉。总状花序自茎先端的叶腋中抽出, 长12 cm, 约具60朵花; 花序梗长约5 cm; 花常2-4朵簇

生于苞片腋内; 苞片长线状披针形至狭三角形, 最下部的长 6 cm, 基部宽约 2 mm, 淡绿色, 具中脉; 花梗长 13-15 mm, 丝状, 关节在中部之上; 花蕾阔卵球形; 花被片 6, 卵形至狭卵形, 长 3.5 mm, 宽 2-2.5 mm, 粉红色, 先端钝; 花丝不明显, 花药狭卵形, 长 2.5 mm, 分离; 花柱近圆锥状, 长 4 mm。花期 10 月。



图1 沿阶草属三新种

Fig. 1 The three new species of *Ophiopogon*

1-2. 白边沿阶草 *Ophiopogon albimarginatus* D. Fang. 1. 植株上部 and 果序 The upper part of plant and infructescence; 2. 一枚花被片 Segment of perianth. 3-4. 丝梗沿阶草 *O. filipes* D. Fang. 3. 植株上部 and 花序 The upper part of plant and inflorescence; 4. 花 Flower. 5-6. 连药沿阶草 *O. pseudotonkinensis* D. Fang. 5. 植株 Plant; 6. 花 Flower. (廖信佩绘)

本种外形与长茎沿阶草 *O. chingii* Wang et Tang 相似, 但叶基部不收狭; 苞片长线状披针形至狭三角形, 淡绿色, 最下部的长 6 cm; 花梗较长, 丝状, 关节在上部; 花被片短, 长 3.5 mm, 粉红色。

### 3 连药沿阶草 新种 (图 1, 5-6)

*Ophiopogon pseudotonkinensis* D. Fang, sp. nov. (Sect. *Ophiopogon*) (Fig. 1, 5-6)

A *O. tonkinensis* Rodrig. foliis chartaceis angustioribus, floribus albis; a *O. marmorato* Pierre ex Rodrig. alabastris late ovoideis, perianthii segmentis late ovatis usque ovatis 5 mm longis; ab ambobus perianthii segmentis superne reflexis, antheris cohaerentibus differt.

Radices 1.5 mm crassae; rhizoma robustum, 2.5 cm longum, 1 cm crassum; caulis brevissimus. Folia basilaria fasciculata, chartacea, anguste elliptico-oblonga raro linearia, 13.5-27 cm longa, 10-22 mm lata, utrinsecus asymmetrica, apice obtusiuscula basi saepe in petiolum c. 4-8 cm longum attenuata, margine subintegra, 9-16-nervata, costa conspicua. Scapus e fasciculo foliorum exortus, 5.5 cm longus, compressus, racemo 7 cm longo c. 30-floro; flores saepe 2-3 in axilla bractee affixi; bractee anguste ovatae, infimae 7 mm longae basi c. 3 mm latae, praeter costas albae membranaceae; pedicelli 10 mm longi, medio articulati; alabastra late ovoidea; perianthii segmenta 6, late ovata usque ovata, 5 mm longa, 3.5-4 mm lata, alba, superne reflexa, apice obtusa; filamenta brevissima; antherae ovato-oblongae, 3 mm longae, cohaerentes apice subtruncatae; stylus paulo conoideus, 5 mm longus. Semina ignota.

Guangxi (广西): Nandan (南丹), Chehe (车河), on limestone hillslopes, 1977. 09. 19, Nandan Exped. (南丹队) 4-5-333 (holotype GXMI).

根粗 1.5 mm; 根状茎粗壮, 长 2.5 cm, 粗 1 cm; 茎不明显。叶基生成丛, 纸质, 狭椭圆状长圆形, 稀线形, 长 13.5-27 cm, 宽 10-22 mm, 两侧不对称, 先端稍钝, 基部常渐狭成约 4-8 cm 的柄, 边缘近全缘, 具 9-16 条脉, 中脉明显。花葶自叶丛中抽出, 长 5.5 cm, 压扁; 总状花序长 7 cm, 有约 30 朵花; 花常 2-3 朵簇生于苞片腋内; 苞内狭卵形, 最下部的长 7 mm, 基部宽约 3 mm, 除中脉外白色, 膜质; 花梗长 10 mm, 关节在中部; 花蕾阔卵球形; 花被片 6, 阔卵形至卵形, 长 5 mm, 宽 3.5-4 mm, 白色, 上部外反, 先端钝; 花丝不明显, 花药卵状长圆形, 长 3 mm, 粘合, 先端近截平; 花柱稍圆锥状, 长 5 mm。花期 9 月。

本种与多花沿阶草 *O. tonkinensis* Rodrig. 的区别在于: 后者叶厚革质, 宽 2.5-3.5(-4.2) cm, 花淡紫色; 与丽叶沿阶草 *O. marmoratus* Pierre ex Rodrig. 的区别在于: 后者花蕾狭卵球形至近圆锥形, 花被片长圆状披针形, 长约 8 mm; 另外, 与这两者都不同的是, 后两种的花被片均不反折, 花药分离。