

云南魔芋属新分类群

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NEW TAXA OF THE GENUS AMORPHOPHALLUS FROM YUNNAN

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关键词 魔芋属; 勐海魔芋; 攸落魔芋; 西盟魔芋

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1. 勐海魔芋 新种 图 1

Amorphophallus bannanensis H.Li, sp.nov. Fig.1

Ab *A. yunnanensi* Engi. appendice late pyramidalis vel ovoidea 3cm longa 2.8cm crassa longitudinaliter sulcata, profunde rugosa, spadiceis inflorescentia mascula saepe in pares inflorescentias masculus longitudine dividente; floribus masculis monandris; Ovario 1-loculari differt.

Tuber subglobosum depressum, cineraceum, 5—30 cm diam., sectione alba vel flavescens. Folia petiolus 20 cm longus laevis chloroleucus maculis atrovirentibus; lamina trisecta, segmentis I 20—50 cm longis, dichotomis, segmentis II 20cm longis, bipinnatisectis, segmentis III 6—9cm longis 2—3cm latis, ellipticis. Pedunculus 30—80 cm longus glaber chloroleucus, maculis atrovirentibus. Spatha erecta naviculiformis 12cm vel plus longa. Spadix quam spatha brevior ad 8cm longus sessilis vel stipitatus (3—4 cm longus); inflorescentia feminea obconica 1.5—2.2cm longa, mascula luteola, compresso-cylindrica 3.5cm longa, superne 2.5cm et inferne 2.2cm lata, dorsaliter et ventraliter canali longitudinali profundo instructa, saepe in pares inflorescentias,

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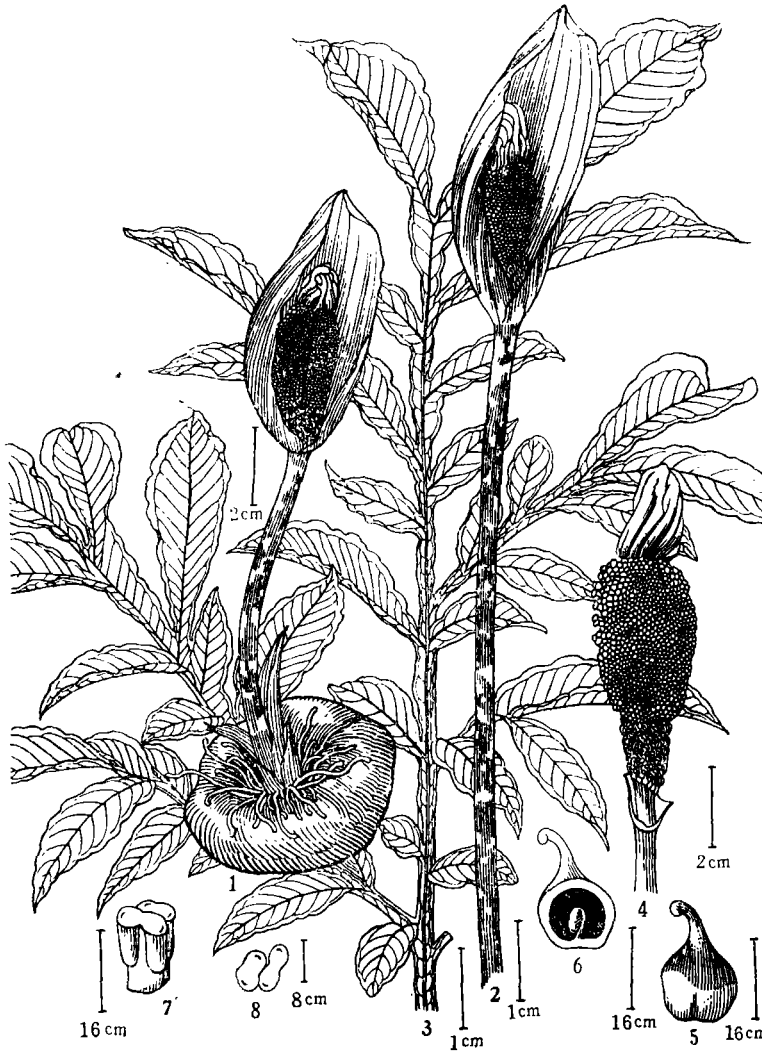


图1 勐海魔芋 *Amorphophallus bannaensis* H. Li

1.花株 Flowering plant; 2.佛焰苞和肉穗花序 Spatha and spadix; 3.叶片一部分 Part of leaf; 4.肉穗花序 Spadix with the spathe removed; 5.雌蕊 Pistil; 6.雌蕊纵切示胚珠 Vertical section of pistil showing anatropic ovule; 7.两个雄蕊具短的花丝和长的药室 Two stamens with short free filaments and elongated anthers; 8.雄花顶面观 Male flowers from above. (肖溶绘)

cylindricas parallelas inaequicrassas dividens; appendix late pyramidalis vel ovoidea 3cm longa 2.8cm crassa, flavovirens, longitudinaliter et irregulariter sulcata, basi valde contracta, sessilis interdum stipite 5 mm longo 1.5 mm crasso lutescente. Flores masculi densi saepe monandri. Staminum filamenta fere separata, circ. 2mm longa, thecis 2, brevissimis oppositis, poris terminalibus rotundatis dehiscenlibus. Ovarium subglobosum violaceum circ. 1mm diam., 1-loculo, uniovulato, ovulo anatropo. Fl. Mart. et Apr.

Yunnan: Menhai Xian, in forest, alt. 1100m, IV 1, 1986. Li Hen 1106 (Typus, KUN); eod, loc.V 27, 1986. Li Hen 1107; 12, 1986. Li Hen 1109; Ximen Xian, IV, 1986, Zhang He 1108.

本种与 *A. yunnanensis* Engl近缘, 但附属物宽圆锥形或卵形, 长3cm, 粗2.8cm, 具纵深皱; 雄花序常纵裂为2个; 雄花具1个雄蕊, 子房1室, 胚珠1。

2. 攸落魔芋 新种 图2

Amorphophallus yuloensis H. Li sp. nov. Fig. 2

Ab *A. bannanensis* H. Li tubere nigrescente, petiolo pedunculoque viridulis non maculatis, spatha carnea cybmbiformis apice cucullata 5—7cm longa 5—9cm lata in statu explanato maculis albidis et punctis atrovirentibus sparsim ornata, appendice brevior subcylindrica 1.5—2.4cm longa, 1.3—1.8cm crassa, antherae thecis obovoideis stipitatis differt.

Tuber depresso-globosum, nigrescens, 2.5—4.5cm crassum, 4—8(—10)cm diam. Cataphylla membranacea lineari-lanceolata argentea. Folia petiolus cylindricus viridulus laevis non maculatus 20 cm longus 5 mm crassus; lamina viridis trisecta, segmentis I 15cm longis, segmentis II 12cm longis; pinna-tisectis, segmentis III 5—10 cm longis, 3—4cm latis, oblongis vel obovatis. Pedunculus cylindricus viridulus non maculatus 6—7.5 cm longus; 4—8 mm diam. Spatha erecta cybmbiformis in statu explanato ovata apice rotundata vel acuta cucullata, 5—7cm longa 5—9cm lata, carnea, dorsaliter maculis albidis et punctis atrovirentibus sparsim ornata, intus supra medium pallide violacea, glabra, versus basin albida papillata; spadix quam spatha leviter brevior, sessilis 4—5.6cm longus. Inflorescentia feminea breviter cylindrica 7mm longa 1—1.4cm crassa, mascula flavescens subcylindrica leviter compressa; appendix conica vel cylindrica leviter compressa flavescens apice obtusa 1.5—2.8cm longa 1.4—1.8cm crassa. Ovarium obovoideum flavescens vel violaceum, stigmate discoideo, uniloculare, uniovulatum. Flores musculi densi flavovirentes saepe monandri, staminum filamenta fere separata cubica, thecis obovoideis circ. 1mm longis poris terminalibus elongatis dehiscentibus. Fl. Jun. Jul. et Aug.

Yunnan, Menla Xian, Menlun, Yuloshan, alt. 610m, in forest, on limestone, VI 27, 1986, Li Hen 1102 (Typus KUN), eod, loc. V III 7, 1986. Li Hen 1105.

本种与 *A. bannanensis* 近缘, 但其块茎黑色, 叶柄及花序柄绿色、无斑点; 佛焰苞肉色, 在压平伸展状况下可见到略呈白色的斑点, 并散生有深绿色小点; 附属物较短, 近圆柱形; 药室倒卵形、具柄。

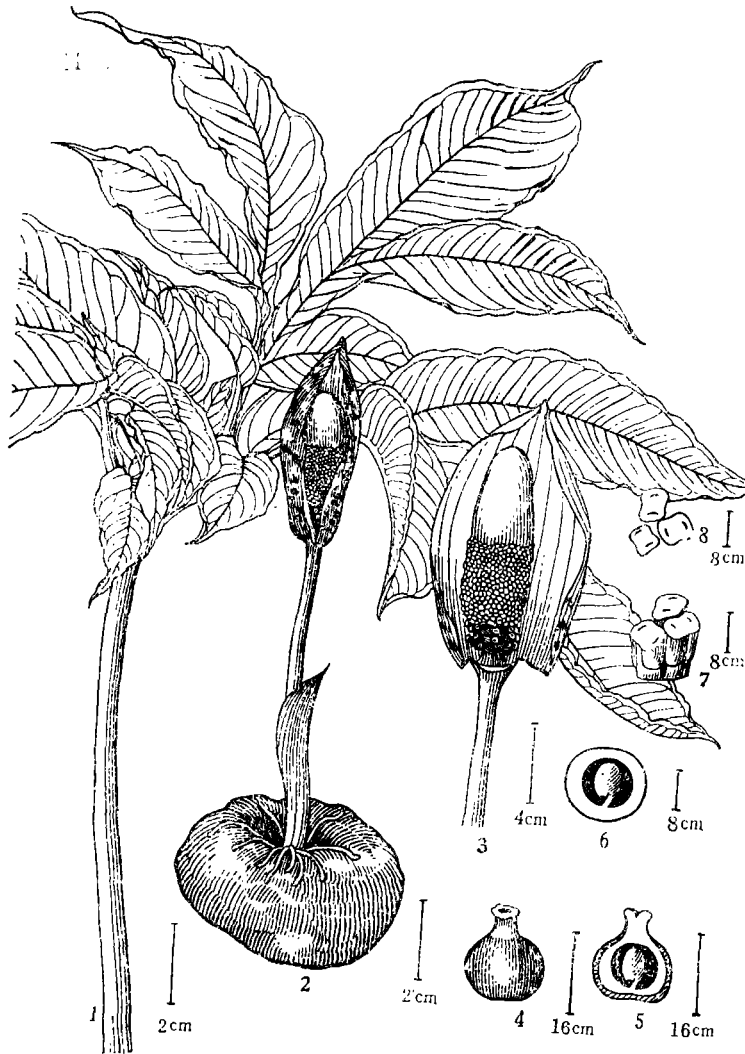


图2 攸落魔芋 *Amorphophallus yuloensis* H. Li

1. 叶 Leaf; 2. 花球 Flowering plant; 3. 佛焰苞和肉穗花序 Spathe and spadix; 4. 雌蕊 Pistil; 5. 雌蕊纵剖 Vertical section of pistil; 6. 子房纵剖示一室和单一胚珠 Longitudinal section of ovary showing the locule containing only one ovule; 7. 雄花含1个雄蕊 Male flowers with one stamen in each; 8. 雄花顶面观 Male flowers from above. (肖溶绘)

3. 西盟魔芋 新种 图3

Amorphophallus ximengensis H. Li, sp. nov. Fig.3

Ab *A. mekongensi* Engl. inflorescentia sterili inter partes feminam et masculam conspicua, 1.8cm longa circ 1.6cm crassa; florum steriliu rudi-
mentis albidis, sessilibus vertice ovatis oblongisve 2mm longis et latis; florum
feminarum ovario stylo elongato circ. 1.5mm longo, stigmatе orbiculato
leviter 2—3-lobato differt.

Tuber depresso-globosum ad 25cm diam., cinereum, sectione flavescens.

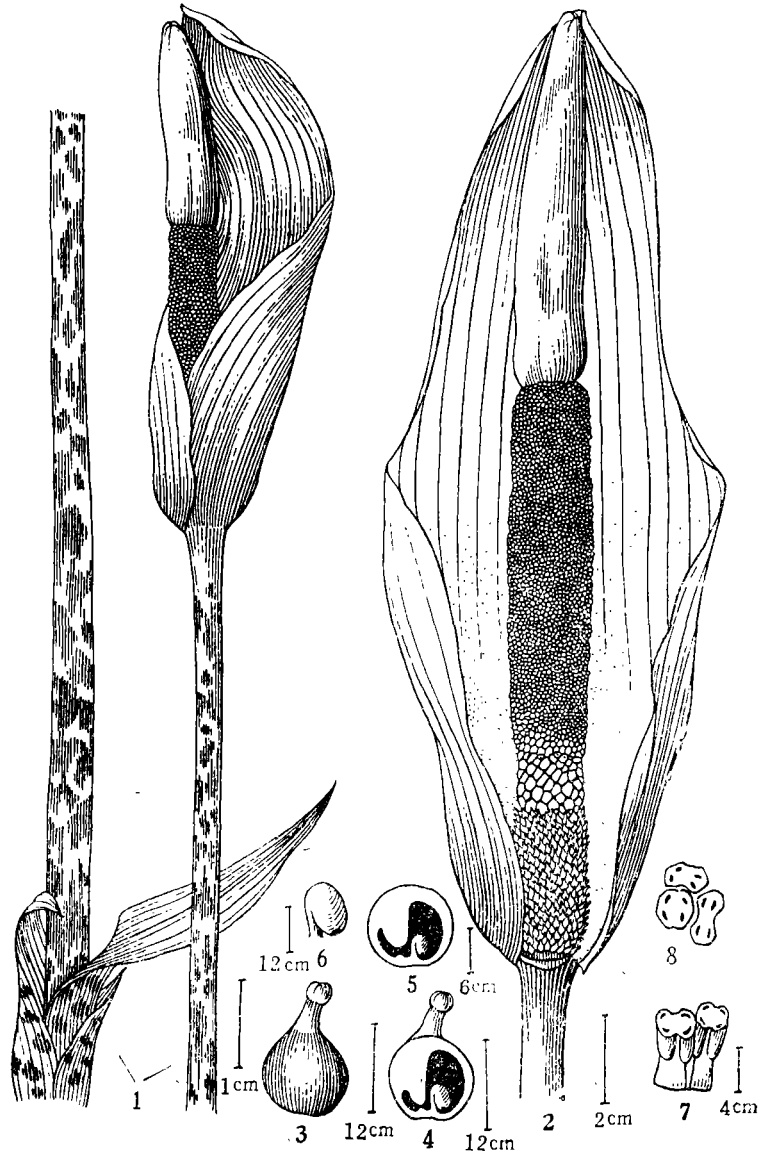


图3 西盟魔芋 *Amorphophallus ximenGensis* H. Li

1. 花株 Flowering plant; 2. 佛焰苞与肉穗花序 Spathe and spadix; 3. 雌蕊 Pistil; 4. 雌蕊纵剖示隔膜不完全和柱头3裂 Longitudinal section of ovary showing incomplete 2 locules and an ovule; 5. 子房纵剖示一空一胚珠 Longitudinal section of ovary showing the locule containing only one ovule; 6. 胚珠 Ovule; 7. 雄花, 每花具一雄蕊 Male flowers with 1 stamen in each; 8. 雄花顶面观 Male flowers from above. (肖溶绘)

Cataphylla 3, membranacea, 25cm longa, maculis oblongis vel lachrymiformibus, viridibus nigrescentibusque. Pedunculus viridulus, latice albo copioso, maculis oblongis vel ellipticis vel anguste lanceolatis, atroviridibus ornatus. Spatha viridis non maculata, erecta cymbiformis, in statu explanato ovato-lanceolata ad 20,5cm longa 15cm lata, spadix quam spatha fere aequilongus,

sessilis, inflorescentia feminea cylindrica viridula 2.8cm longa, sterilis albida, mascula aurea cylindrica 8.5 cm longa, appendix longe conita 8cm longa, apice obtusa glabra, sub lente antherarum poris rudimentalibus densis minimis visibilibus. Ovarium viridulum ovato-globosum 2.5mm diam. in stylum circ. 2mm longum stigmatem semicapitato, 2—3-lobato coronatum attenuatum. Flores masculi 2—4-andri, filamentis distinctis minus quam 1mm longis, thecis apicalis obovoideis a vertice visus oblongis poris terminalibus rotundatis dehiscentibus, odorem spargentibus. Fl. Jul. Aug.

Yunnan: Ximeng Xian, Aug. 7, 1986; Zhang He 1104 (Typus, KUN), eod. loc. XII 9, 1986, Zhang He 1124, 1125.

本种与 *A. mekongensis* Engl. 近缘, 但本种佛焰花序的雌、雄蕊之间明显地具中性花序, 中性花序长1.8cm, 粗约1.6cm, 中性花白色, 顶面观卵形或长圆形, 顶部凸起, 长宽约2mm; 子房明显具长1.5mm的绿色花柱, 柱头圆形, 浅2—3裂。