

云南兰科植物新资料*

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摘 要: 报道了云南兰科植物 13 个新记录种: 宽叶红门兰、触须阔蕊兰、毛萼玉凤花、朱兰、长唇羊耳蒜、广西鸢尾兰、长叶山兰、黄兰、聚石斛、狭唇卷瓣兰、花蜘蛛兰、大尖囊兰、槽舌兰。

关键词: 兰科; 地理新分布; 云南

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New Data of Some Orchidaceous Plants in Yunnan, China

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Abstract: This paper reports on 13 species, namely *Orchis latifolia*, *Peristylus tentaculatus*, *Habenaria ciliolaris*, *Pogonia japonica*, *Liparis pauliana*, *Oberonia kwangsiensis*, *Oreorchis fargesii*, *Cephalantheropsis gracilis*, *Dendrobium lindleyi*, *Bulbophyllum fordii*, *Esméralda clarkei*, *Kingidium deliciosum* and *Holcoglossum quasipinifolium*, as new records in Yunnan Province.

Key words: Orchidaceae; New records; Yunnan

为编写《云南植物志——兰科》, 我们详细查阅了馆藏的兰科植物标本, 发现 13 个种为云南地理分布新记录, 在此报道如下。

1 宽叶红门兰

Orchis latifolia L., Sp. Pl. 2: 941. 1753; Hook. f., Fl. Brit. Ind. 6: 127. 1890; Nevski in Fl. U.S.S.R. 4: 717. 1935; Kusn. et Pavl. in Kazakh. 2: 271. 1958; Icon. Com. Sin. 5: 612 f. 8054. 1976; T. Tang, F. T. Wang et K. Y. Lang in Acta Phytotax. Sin. 18 (4): 417, fig. 3: 9~ 16. 1980; K. Y. Lang in Fl. Xizang. 5: 684, f. 358. 1987; K. Y. Lang in Acta Phytotax. Sin. 30 (5): 466. 1992; K. Y. Lang in Vasc. Pl. Hengduan Mts. 2: 2516. 1994; P. Y. Fu et S. Z. Liu in Clavis Plantarum Chinae Boreali-orientalis ed. 2: 901. f. 455: 4. 1995; K. Y. Lang in Fl.

Qinghai. 4: 303 f. 49: 1- 2. 1999; K. Y. Lang in Fl. Reip. Pop. Sin. 17: 268 f. 38: 4- 6. 1999. — *Orchis hatagirea* D. Don, Prodr. Fl. Nep. 23. 1825. — *Orchis salina* Turcz. ex Lindl., Gen. Sp. Orch. Pl. 259. 1835. — *Dactylorchis salina* (Turcz. ex Lindl.) Vemeulen Stud. Dactylorch. 66. 1947. — *Dactylorhiza latifolia* (L.) Soó Nom. Nova Gen. Dactylorhiza, 9. 1962. — *Dactylorhiza hatagirea* (D. Don) Soó l. c. 4. — *Dactylorhiza salina* (Turcz. ex Lindl.) Soó l. c. 4. — *Dactylorchis latifolia* (L.) Rothmaler in Fedd. Repert. Sp. Nov. 67: 4. 1963.

Yunnan (云南): Dali (大理), eastern flank (东边), moist pasture, alt. 9 000- 10 000 ft (ca. 2 900 m), Lat. 25° 40' N, Gorge Forrest 4887, Aug. 1906 (E).

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分布: 云南(大理)、西藏东部 四川西部 甘肃、青海、新疆、宁夏、内蒙古、吉林和黑龙江、蒙古、俄罗斯的西伯利亚至欧洲、克什米尔地区至不丹、巴基斯坦、阿富汗至北非也有分布。模式标本采自欧洲。云南新记录。

2 触须阔蕊兰

Peristylus tentaculatus (Lindl.) J. J. Smith in *F1 Buitenz* 6: 35. 1905; Seidenf. in *Dansk Bot Ark.* 31(3): 41. fig. 18. 1977; K. Y. Lang in *Acta Phytotax. Sin.* 25(6): 445. 1987; K. Y. Lang in *F1 Reip. Pop. Sin.* 17: 401. f. 64: 4- 6. 1999. — *Glossula tentaculata* Lindl. in *Bot Reg.* 10: t. 862. 1825. — *Glossaspis tentaculata* (Lindl.) Spreng, *Syst.* 3: 694. 1826. — *Glossaspis antennifera* Rchb. f. in *Linnaea* 25: 225. 1852. — *Habenaria tentaculata* (Lindl.) Rchb. f., *Otia Bot Hamb.* 34. 1878; *广州植物志*: 729. 1956.

Yunnan (云南): Gongshan (贡山), Kiukiang Valley (独龙江流域), W. of Kungsian, on open hill slope and grassland, alt. 1200 m, T. T. Yü (俞德浚) 20520, Sept. 28, 1938 (KUN); Cangyuan (沧源), Banlaogongshe (班老公社), along track, alt. 1200 m, Li Shengtang (李生堂) 80-1110, Sept. 10, 1980 (KUN); Jinping (金平), Maandi (马安底), on grassland, alt. 1340 m, Hu Yueying (胡月英) 60002436, Aug. 26, 1960 (KUN).

分布: 云南(贡山、沧源、金平)、广西(金秀)、广东(白云山、罗浮山)、福建(厦门)、海南和香港。越南、泰国和柬埔寨也有分布。模式标本采自广东。云南新记录。

3 毛萼玉凤花

Habenaria ciliolaris Kraenzl. in *Bot Jahrb. Engler* 16: 169. 1892, et *Orch. Gen. Sp.* 1: 367. 1898. Rolfe in *J. Linn. Soc. Bot.* 36: 58. 1903; Hayata in *J. Coll. Sci. Univ. Tokyo* 30: 352. 1911; Schltr. in *Fedde Repert. Sp. Nov. Beih.* 4: 124. 1919; S. Y. Hu in *Quart. J. Taiwan Mus.* 27(1- 2): 161. 1974; *Icon. Comm. Sin.* 5: 636. f. 8101. 1976; *海南植物志* 4: 192. 1977 (p. p.); Seidenf. in *Dansk Bot Ark.* 31(3): 95. fig. 56. 1977; T. P. Lin in *Native Orchids of Taiwan* 2: 176- 177 (f.). 1977; *台湾兰科植物彩色图鉴* 1: 200. 1977, et 2: 213. 1990; Liu et Su in *F1 Tai-*

wan 5: 1018. 1978; K. Y. Lang in *F1 Reip. Pop. Sin.* 17: 462. f. 76: 1- 5. 1999; Su in *F1 Taiwan* 5: 914. 2000. — *Habenaria kw. eitchuensis* Schltr. in *Fedde Repert. Sp. Nov.* 17: 26. 1921. — *Habenaria malleifera* auct. non Hook. f.: *Hand. Mazz., Symb. Sin.* 7: 1335. 1936.

Yunnan (云南): Cheli Hsien, now Jinghong (车里县, 今景洪), Damenglong (大猛龙), Manbang (满蚌), under dense forest, alt. 1000 m, C. W. Wang (王启无) 77555, Aug. 1936 (KUN); Xishuangbanna (西双版纳), under dense forest, alt. 650 m, Pei Shengji (裴盛基) 59- 9423, Aug. 19, 1959 (KUN).

分布: 云南(景洪、西双版纳)、四川、贵州、甘肃(文县碧口)、湖北、湖南、广西、广东、江西、浙江、福建、海南、台湾和香港。模式标本采自香港。云南新记录。

4 朱兰

Pogonia japonica Rchb. f. in *Linnaea* 25: 228. 1825; Schltr. in *Fedde Repert. Sp. Nov. Beih.* 4: 144. 1919; S. Y. Hu in *Quart. J. Taiwan Mus.* 28(1, 2): 144. 1975; *Icon. Comm. Sin.* 5: 651. f. 8131. 1976; D. Y. Liu in *F1 Anhui* 5: 538. f. 3074. 1992; *浙江植物志* 7: 515. f. 7- 688. 1993; Y. C. Ma et Y. M. Gong in *F1 Intramongo.* 5: 582. f. 246. 1994; *福建植物志* 6: 656. f. 583. 1995; S. C. Chen et Z. H. Tsi in *the Orchids of China*: 190. f. 6- 19: 5- 6. 1998; S. C. Chen in *F1 Reip. Pop. Sin.* 18: 19. f. 1: 3- 4. 1999; — *Pogonia similes* Bl., *Orch. Arch. Ind.* 148. t. 32. 1858. — *Pogonia parvula* Schltr. in *Fedde Repert. Sp. Nov. Beih.* 4: 54, 144. 1919. — *Pogonia kungii* T. Tang et F. T. Wang in *Contr. Inst. Bot. Nat. Acad. Peiping* 2: 135. 1934. — *Pogonia ophioglossoides* auct. non (L.) Ker-Gawl.: Rolfe in *J. Linn. Soc. Bot.* 36: 47. 1903.

Yunnan (云南): Zhenxiang (镇雄), Machanglinchang (马厂林场), under forest, alt. 1945 m, Bao Shiying (包士英) 41, Jun. 17, 1980 (KUN).

分布: 云南(镇雄)、四川、贵州、湖北、湖南、广西、北部、内蒙古、吉林、黑龙江、山东、安徽、江西、浙江和福建。日本、朝鲜半岛也有分布。模式标本采自日本。云南新记录。

5 长唇羊耳蒜

Liparis pauliana Hand Mazz in Anzeig Akad Wiss Wien Math Naturw. 58: 65 1921, et Symb Sinic 7: 1351. 1936; S. Y. Hu in Quart J. Taiwan Mus 27(3, 4): 425 1974; Seidenf. in Dansk Bot Ark. 31(1): 24 fig. 12 1976; 浙江植物志 7: 497. 1993; S. C. Chen et Z. H. Tsi in the Orchids of China: 193 1998; S. C. Chen in Fl Reip. Pop. Sin. 18: 65 f. 7: 3- 4 1999. — *Liparis cucullata* S. S. Chien in Contrib Biol Lab Sci Soc China Bot Ser. 6: 29 fig. 2 pl. 3 1930

Yunnan (云南): Kunming (昆明), Jindian (金殿), in moist and shady forest, alt. 2 000 m, K. M. Feng (冯国楹) 10254, Sep. 5, 1946 (KUN); Kunming (昆明), Xishan (西山), Huatingsi (华亭寺), in forest, alt. 2 200 m, Qiu Bingyun (邱炳云) 57054, Jul 08, 1958 (KUN).

分布: 云南(昆明)、贵州东部(凯里)、湖北、湖南、广西北部(全州)、广东北部、江西和浙江。模式标本采自湖南。云南新记录。

6 广西鸢尾兰

Oberonia kwangsiensis Seidenf. in Dansk Bot Ark. 25(3): 31 fig. 14 1968, et 33(1): 19 fig. 10 1978; A veryanov, Iden. Guide Vietnam. Orch. 159. 1994; S. C. Chen in Fl Reip. Pop. Sin. 18: 141 f. 24: 5~ 6 1999.

Yunnan (云南): Malipo (麻栗坡), Huangjinyin (黄金印), Luoguowan (锣锅湾), growing on the trees, alt. 1 150 m, Wu Quan'an (武全安) 9964, Nov. 29, 1964 (KUN).

分布: 云南(麻栗坡)和广西(环江、南丹)。越南、泰国也有分布。模式标本采自广西。云南新记录。

7 长叶山兰

Oreorchis fargesii Finet in Bull. Soc. Bot. France 43: 697. t. 13 1896; Schltr. in Fedde Repert. Sp. Nov. Beih. 4: 223 1919; S. Y. Hu in Quart. J. Taiwan Mus 27(3, 4): 452 1974; Icon. Comm. Sin. 5: 742 f. 8313 1976; 台湾兰科植物彩色图鉴 2: 625 1990; K. Y. Lang et Z. H. Tsi in Bot Res. Inst. Bot. 6: 68 1992; 浙江植物志 7: 534 f. 7- 715. 1993; K. Y. Lang in Vasc. Pl. Hengduan Mts 2:

2598 1994; 福建植物志 6: 621 f. 543 1995; N. Pearce et Cribb in Edinb. J. Bot. 54(3): 303 fig. 6 1997; S. C. Chen in Fl Reip. Pop. Sin. 18: 158 f. 29: 1- 3 1999. — *Oreorchis fargesii* Finet var. *subcapitata* Hayata, Icon. Pl. Formos. 2: 142 1912. — *Oreorchis subcapitata* (Hayata) Schltr. in Fedde Repert. Sp. Nov. Beih. 4: 225 1919. — *Oreorchis intemediata* S. S. Chien in Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 6(3): 26 1930. — *Oreorchis ohwii* Fukuyama in Bot. Mag. Tokyo 49: 296 1935; Masamune in J. Geobot. 20(3): t. 182 1972; T. P. Lin in Native Orchids of Taiwan 3: 206- 207 (f.). 1987.

Yunnan (云南): Fuyuan (富源), Housuoxiang (后所乡), Laoheishan (老黑山), in limestone and *Rhododendron-Lithocarpus* shrubs, alt. 2 500 m, Hongshuihe Plant Expedition Team (红水河植物考察队) 2246, Jun. 17, 1989 (KUN).

分布: 云南(富源)、四川、陕西南部、甘肃南部、湖北、浙江、福建北部(武夷山)和台湾。模式标本采自四川。云南新记录。

8 黄兰

Cephalantheropsis gracilis (Lindl.) S. Y. Hu in Quart. J. Taiwan Mus 25(3, 4): 213 1972; Garay et Sweet, Orch. South Ryukyu Isl. 124 1974, p. p.; S. Y. Hu, Gen. Orch. Hong Kong 56 fig. 25 1977; Liu et Su in Fl. Taiwan 5: 918 f. 919. 1978; Seidenf. in Opera Bot. 114: 102 1992; Seidenf. et J. J. Wood, Orch. Penins. Malay. Singap. 180 fig. 17. 1992; S. C. Chen et Z. H. Tsi in the Orchids of China: 5 1998; Z. H. Tsi in Fl Reip. Pop. Sin. 18: 255 f. 45: 7. 1999; Su in Fl. Taiwan 5: 795 2000. — *Calanthe gracilis* Lindl., Gen. Sp. Orch. Pl. 251. 1833, et in Curtis's Bot. Mag. 79: t. 4714 1853; Hook. f., Fl. Brit. Ind. 5: 855 1890; 海南植物志 4: 234 1977; 浙江植物志 7: 527 f. 7- 705 1993; 福建植物志 6: 660 f. 586 1995. — *Phaius longipes* (Hook. f.) Holttum in Gard. Bull. Singap. 11: 286 1947; T. P. Lin in Native Orchids of Taiwan 1: 230- 231 (f.). 1975. — *Phaius gracilis* (Lindl.) S. S. Ying, Col. Illustr. Indig. Orch. Taiwan 1: 278 1978. — *Gastrorchis gracilis* (Lindl.) A. Veryanov., Prelim. List Vietnam. Orch. 1: (2)3 1988.

Yunnan (云南): Pingbian (屏边), Shibaxiang (石板乡), A'dakou (啊达口), under dense forest, alt 1 400 m, K. M. Feng (冯国楦) 5005, Oct 14, 1954 (KUN); Mengla (勐腊), under dense forest, alt 800 m, Wang Wencai (王文采) 10380, Dec 19, 1958 (KUN)。

分布: 云南(屏边、勐腊)、广东(信宜、阳春、怀集、博罗)、福建南部(南靖)、海南(东方、白沙、琼中)、台湾(台北、台东)和香港。锡金、印度东北部、缅甸、老挝、越南、泰国、马来西亚、菲律宾和日本(琉球群岛)也有分布。模式标本采自印度东北部。云南新记录。

9 聚石斛

Dendrobium lindleyi Stendel, Nomencl ed 2: 490 1840; P. F. Hunt et Summerh. in Kew Bull 20: 55. 1966; Seidenf. in Opera Bot 83: 16 fig 3 1985; A veryanov, Vasc Pl Syn Vietnam. Fl 1: 75. 1990; Seidenf. in Opera Bot 114: 207. 1992; A veryanov, Iden. Guide Vietnam. Orch.: 207. 1994; Z. H. Tsi, S. C. Chen et K. Mori, Wild Orch. China: 79. Pl 95. 1997; S. C. Chen et Z. H. Tsi in the Orchids of China: 168 f. 6- 11: 3. 1998; Z. H. Tsi in Fl Reip. Pop. Sin. 19: 78. 1999. — *Dendrobium aggregatum* Roxb., Fl Ind ed 2, 3: 477. 1832; Hook in Bot Mag 65: t 3643 1839; Hook f, Fl Brit Ind 5: 749. 1890, p. p.; Rolfe in J. Linn. Soc Bot 36: 9. 1903; Kraenzl in Engler, Pflanzenr 45 (IV. 50, II. B. 21): 62 1910, p. p. — *Dendrobium jenkinsii* auct non Lindl.: Icon Com. Sin. 5: 704 (quoad descr.), p. p. et f 8237. 1976; 海南植物志 4: 222. 1977; Z. H. Tsi in Acta Phytotax. Sin. 18 (4): 437. 1980 p. p.

Yunnan (云南): Xichou (西畴), Between Boai and Jinba (剥隘至金坝途中), growing on the trees, alt 500 m, Wang Shouzheng (王守正) 1001, Jun. 14, 1964 (KUN); Fohai, now Menghai (佛海, 今勐海), growing on the bark of *Lithocarpus*, alt 1 400 m, C. W. Wang (王启无) 77086, Jun. 1936 (KUN)。

分布: 云南(西畴、勐海)、贵州西南部(册亨)、广西(西林、大新、龙州、田林、靖西、博田、玉林、百色)、海南(三亚、陵水、白沙、琼中、澄迈)、广东(信宜、恩平、罗浮山)和香港。锡金、不丹、印度、缅甸、泰国、老挝、越南也有分布。模式标本采自缅甸。云南新记录。

10 狭唇卷瓣兰

Bulbophyllum fordii (Rolfe) J. J. Smith in Bull Jard Bot Buitenz Ser. 2, 8: 24. 1912; S. Y. Hu in Quart. J. Taiwan Mus 25 (1, 2): 160. 1972; Seidenf. in Dansk Bot Ark. 29 (1): 193. 1973; Z. H. Tsi in Fl Reip. Pop. Sin. 19: 223. 1999. — *Cirrhopetalum fordii* Rolfe in Kew Bull.: 193. 1896; Rolfe in J. Linn. Soc Bot 36: 15. 1903; Schltr. in Fedde Repert Sp. Nov. Beih. 4: 253. 1919.

Yunnan (云南): Jingdong (景东), Wuliangshan (无量山), Zhaidianqu (宅店区), the foot of Jinding-shan (金顶山), on stone, alt 1 950 m, Qiu Bingyun (邱炳云) 53295, Oct 30, 1956 (KUN)。

分布: 云南(景东)和广东(粤北地区)。模式标本采自广东。云南新记录。

11 花蜘蛛兰

Esmeralda clarkei Rchb. f. in Gard Chron. n. s. 25: 552. 1886; Herklots in Orch. Rev.: 15. 1971; K. W. Tan in Selbyana 1 (1): 13. 1975, et 1 c 1 (4): 371. 1976; Seidenf. in Opera Bot 95: 136 fig 82. 1988; Z. H. Tsi in Fl Reip. Pop. Sin. 19: 331. f. 49: 2- 3. 1999. — *Arachnis clarkei* (Rchb. f.) J. J. Smith, Nat Tijdschr. Nederl. Ind 72: 73. 1912; Icon. Com. Sin. 5: 758 f. 8346. 1976; 海南植物志 4: 254. 1977; S. C. Chen et Z. H. Tsi in the Orchids of China: 209 f. 6- 26: 8- 10. 1998.

Yunnan (云南): Jingdong (景东), Luoshuidong (落水洞), on stream, alt 2 100 m, M. K. Li (李明岗) 2299, Dec 07, 1939 (KUN); Jingdong (景东), Wenxiaoxiang (温小乡), Modaohe (磨刀河), growing on the trees, alt 1 700 m, Qiu Bingyun (邱炳云) 52664, Oct 04, 1956 (KUN)。

分布: 云南(景东)和海南(三亚、保亭、陵水、琼中)。尼泊尔、锡金、不丹、印度东北部、缅甸、泰国也有分布。模式标本采自锡金。云南新记录。

12 大尖囊兰

Kingidium deliciosum (Rchb. f.) Sweet in Amer. Orch. Soc. Bull. 39: 1095. 1970; Seidenf. in Opera Bot 95: 183 fig 113. 1988; A veryanov, Vasc Pl Syn Vietnam. Fl 1: 111. 1990; Seidenf. in Opera Bot 114: 411. fig 280. 1992; A veryanov,

Iden. Guide Vietnam. Orch. : 350 1994; S. C. Chen et Z. H. Tsi in the Orchids of China: 215. 1998; Z. H. Tsi in Fl Reip. Pop. Sin. 19: 351 f 52: 1- 3 1999. — *Phalaenopsis deliciosa* Rchb. f, Bonpl 2: 93. 1854. — *Kingiella decumbens* auct non Griff.: Rolfe in Orch. Rev. 25: 197. 1917. — *Biermannia decumbens* auct non Griff.: T. Tang et F. T. Wang ex Merrill et Metcalf, Lingnan Sci. J. 21 (1- 4): 7. 1945; T. Tang et F. T. Wang in Acta Phytotax. Sin. 1(1): 95. 1951; 海南植物志 4: 250 f 1123. 1977. — *Kingidium decumbens* auct non Griff.: P. F. Hunt in Kew Bull. 24(1): 97. 1970; S. Y. Hu in Quart. J. Taiwan Mus. 25 (1, 2): 185. 1974; Icon. Com. Sin. 5: 753 f 8336. 1976.

Yunnan (云南): Fohai, now Menghai (佛海, 今勐海), mixed forest, growing on the tree barks, alt. 1550 m, C. W. Wang (王启无) 73861, May 1936 (KUN); Pingbian (屏边), Yiqu (一区), Shibaxiang (石板乡), Guluoma (古罗马), growing on the trees, alt. 330 m, K. M. Feng (冯国楹) 4667, Sep. 28, 1954 (KUN).

分布: 云南(勐海、屏边)和海南(乐东、昌江、三亚)。斯里兰卡、印度、热带喜马拉雅、缅甸、老挝、越南、柬埔寨、泰国、马来西亚、印度尼西亚、菲律宾也有分布。模式标本采自印度尼西亚(爪哇)。云南新记录。

13 槽舌兰

Holcoglossum quasipinifolium (Hayata)

Schltr. in Fedde Repert. Sp. Nov. Beih. 4: 285. 1919; Garay in Bot. Mus. Leaflet Harvard Univ. 23 (4): 181. 1972; S. Y. Hu in Quart. J. Taiwan Mus. 27 (1, 2): 183. 1974; T. P. Lin in Native Orchids of Taiwan 1: 206- 207 (f.). 1975; Liu et Su in Fl. Taiwan 5: 1033 f 1612. 1978; Z. H. Tsi in Acta Phytotax. Sin. 20(4): 441. 1982; Christenson in Not. Bot. Gard. Edinb. 44(2): 255. 1987; S. C. Chen et Z. H. Tsi in the Orchids of China: 173. 1998; Z. H. Tsi in Fl. Reip. Pop. Sin. 19: 425. 1999; Su in Fl. Taiwan 5: 929 f 396. 2000. — *Saccolabium quasipinifolium* Hayata, Icon. Pl. Formos. 2: 144. 1912.

Yunnan (云南): Yangbi County (漾濞县), Zhongshan (中山), epiphyte on tree trunk in *Lithocarpus* forest, altitude unknown, K. Iwatsuki, H. Hara, S. Kurosawa, H. Ohashi, S. Mitsuta, M. Zang (藏穆), S.-K. Wu (武素功), X. Cheng (成晓), K. Y. Guan (管开云) and Y. Fei (费勇) 1031, Aug. 25, 1984 (KUN).

分布: 云南(漾濞)、四川(峨眉山)和台湾(新竹、嘉义一带)。模式标本采自台湾。云南为新记录。

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