

**10. GLOBBA** Linnaeus, Mant. Pl. 2: 143, 170. 1771.

舞花姜属 *wu hua jiang shu*

Rhizomes creeping, slender. Pseudostems erect, usually to 1.5 m, leafy. Leaves sessile or very shortly petiolate; ligule entire; leaf blade oblong, elliptic, or lanceolate. Inflorescence terminal, a thyrses or raceme, often lax; bracts each subtending a cincinnus of flowers, or flowers replaced by bulblets; bracteoles free to base. Calyx campanulate or turbinate, apex obtusely 3-lobed. Corolla tube slender; lobes ovate or oblong, subequal, concave. Lateral staminodes petaloid. Labellum reflexed, adnate to filament to form a slender tube above lateral staminodes and corolla lobes. Filament long, curved; anther with or without appendages on each side. Ovary 1-loculed. Capsule globose or ellipsoid, apex irregularly dehiscent. Seeds small; aril white, lacerate.

About 100 species: tropical Asia, one species in Australia; five species (two endemic) in China.

- 1a. Anther without appendages; bracts caducous.
  - 2a. Inflorescences with cylindrical bulblets; capsule tumescent, rugulose ..... 1. *G. emeiensis*
  - 2b. Inflorescences without bulblets; capsule smooth ..... 2. *G. racemosa*
- 1b. Anther with 2 appendages on each side; bracts persistent.
  - 3a. Leaf blade glabrous ..... 3. *G. schomburgkii*
  - 3b. Leaf blade hairy.
    - 4a. Thyrses 4–7 cm, with bulblets; flowers orange; lateral staminodes 6–7 mm ..... 4. *G. barthei*
    - 4b. Thyrses 7.5–20 cm, without bulblets; flowers yellow; lateral staminodes 10–13 mm ..... 5. *G. lancangensis*

**1. Globba emeiensis** Z. Y. Zhu, Acta Bot. Yunnan. 6: 391. 1984.

峨眉舞花姜 *e mei wu hua jiang*

Pseudostems 0.8–1.2 m. Ligule ca. 5 mm, densely pilose; petiole ca. 5 mm; leaf blade elliptic or oblong-lanceolate, 10–25 × 1.5–4.5 cm, slightly pilose along veins on both surfaces or glabrescent, base cuneate or broadly so, apex caudate. Inflorescence a thyrses, 20–40 cm; bracts yellowish white, caducous; cincinni 0.5–2 cm, 1–3-flowered; bulblets present, cylindrical, 1–3 (–5) cm × 2–4 (–5) mm, with 3–5 nodes. Flowers yellow. Calyx purple or yellowish, campanulate, 4–5 mm. Corolla curved, ca. 1.2 cm; lobes reflexed, broadly ovate, 4–6 mm. Lateral staminodes linear-lanceolate, 7–12 × ca. 2 mm. Labellum reflexed, oblong-oblancheolate, 1–1.5 (–2) cm × 4–5 mm, apex 2-lobed. Filament orange, curved, 1.2–2.5 cm; anther 3–4 mm, without appendages. Capsule ellipsoid or oblong-ovoid, 1–2 (–3) cm, tumescent, rugulose. Fl. Jun–Aug, fr. Jul–Oct.  $2n = 24^*$ .

• Mountains; 600–1100 m. C Sichuan (Emei Shan).

**2. Globba racemosa** Smith, Exot. Bot. 2: 115. 1808.

舞花姜 *wu hua jiang*

*Globba bulbosa* Gagnepain; *G. mairei* H. Léveillé; *G. orixensis* Roxburgh var. *racemosa* (Smith) Gagnepain; *G. simaoensis* Y. Y. Qian; *G. strigulosa* K. Schumann.

Pseudostems 60–100 cm, base expanded. Leaves subsessile; ligule and mouth of leaf sheath ciliate; leaf blade oblong or ovate-lanceolate, 12–20 × 4–5 cm, glabrous or hairy along veins on both surfaces, base acute, apex caudate. Inflorescence a thyrses, 15–20 cm; bracts caducous; bracteoles ca. 2 mm. Flowers yellow, with orange, glandular spots. Calyx turbinate, 4–5 mm. Corolla tube 1–1.5 cm; lobes reflexed, ca. 5 mm. Lateral staminodes lanceolate, equaling corolla lobes. Labellum reflexed, obconate, ca. 7 mm, apex 2-cleft. Filament 1–1.2 cm; anther ca. 4 mm, without appendages. Capsule ellipsoid, ca. 1 cm in diam., smooth. Fl. Jun–Sep.  $2n = 24^*$ .

Forests; 400–1300 m. Guangdong, Guangxi, Guizhou, Hunan,

Sichuan, Xizang, Yunnan [Bhutan, India, Myanmar, Nepal, ?Sikkim, Thailand].

**3. Globba schomburgkii** J. D. Hooker, Bot. Mag. 103: t. 6298. 1877.

双翅舞花姜 *shuang chi wu hua jiang*

Pseudostems 30–50 cm. Leaves 5 or 6; ligule short; petiole ca. 5 mm; leaf blade elliptic-lanceolate, 15–20 × 3–4.5 cm, glabrous, base obtuse, apex caudate. Inflorescence a pendulous raceme or thyrses, 3–11 cm; bracts lanceolate, 6–12 mm; cincinni (if present) 1–2.5 cm, laxly 2- to many flowered; bulblets present, globose or ovoid, 2–4 mm in diam., tuberculate. Flowers yellow or wholly reduced. Calyx campanulate, 4–5 mm. Corolla tube 8–10 mm, pubescent; lobes ovate. Lateral staminodes lanceolate, curved. Labellum yellow, orange spotted at base, narrowly cuneate, apex 2-cleft. Filament curved, ca. 1 cm; anther with 2 winglike appendages on each side. Ovary tuberculate. Fl. Aug–Sep.

Forests; ca. 1300 m. S Yunnan [Myanmar, Thailand, Vietnam].

- 1a. Inflorescence branched and thyrsoid distally, 5–11 cm; bulblets ovoid; flowers not reduced ..... 3a. var. *schomburgkii*
- 1b. Inflorescence simple and racemose throughout, 3–4 cm; bulblets globose; flowers wholly reduced ..... 3b. var. *angustata*

**3a. Globba schomburgkii** var. *schomburgkii*

双翅舞花姜(原变种) *shuang chi wu hua jiang* (yuan bian zhong)

*Globba chinensis* K. Schumann.

Inflorescence branched and thyrsoid distally, 5–11 cm; bulblets ovoid. Flowers not reduced. Fl. Aug–Sep.  $2n = 48$ .

Forests; ca. 1300 m. S Yunnan [Myanmar, Thailand, Vietnam].

**3b. Globba schomburgkii** var. *angustata* Gagnepain in Lecomte, Fl. Indo-Chine 6: 38. 1908.

小珠舞花姜 *xiao zhu wu hua jiang*

Inflorescence simple and racemose throughout, 3–4 cm; bulblets globose. Flowers wholly reduced.  $2n = 48, 64$ .

Forests; ca. 1300 m. S Yunnan [Thailand, Vietnam].

**4. *Globba barthei*** Gagnepain, Bull. Soc. Bot. France 48: 208. 1901.

毛舞花姜 *mao wu hua jiang*

Pseudostems 30–60 cm, hairy. Leaf blade elliptic or oblong, 12–16 × 3.5–5 cm, hairy on both surfaces. Inflorescence branched and thyrsoid distally, 4–7 cm, densely flowered; bracts ovate or lanceolate, 1.7–2 cm × 7–10 mm; bulblets present in axils of proximal bracts, ovoid or oblong, 0.5–1.5 cm. Flowers orange, hairy. Calyx ca. 5 mm. Corolla tube ca. 2 cm; lobes linear, 6–7 mm. Lateral staminodes oblong, equaling corolla lobes. Labellum placed ca. 6 mm above corolla lobes, oblong, ca. 1 cm, apex expanded, 2-cleft. Filament curved, ca. 1.6 cm; anther ca. 2 mm, with 2 winglike appendages on each side. Fl. Aug.  $2n = 48$ .

Dense forests; 200–1000 m. S Yunnan [Cambodia, Laos, Philippines, Thailand].

**5. *Globba lancangensis*** Y. Y. Qian, Acta Bot. Austro Sin. 9: 51. 1994.

澜沧舞花姜 *lan cang wu hua jiang*

Plants glandular throughout. Pseudostems 20–60 cm. Ligule ciliate; petiole absent to 2 mm; leaf blade oblong-lanceolate, rarely elliptic or oblong, 1.3–11.5(–13.5) × 0.7–2.7(–4) cm, pubescent on both surfaces, base rounded or cuneate, apex acuminate. Thyrses 7.5–20 cm, laxly flowered; bracts ovate, 1.5–2.2 mm; bulblets absent. Flowers yellow. Calyx 3–5 mm, ciliate. Corolla tube 1.2–1.6 cm; lobes boat-shaped, 4–6 mm, glabrous or sparsely ciliate. Lateral staminodes oblong, 1–1.3 cm × 5–7 mm, ciliate. Labellum obovate-oblong, 7–8 mm, apex 2-lobed; lobes 3–4 × ca. 1 mm. Filament curved, 1.2–1.5 cm; anther ca. 2 mm, with 2 winglike appendages on each side. Capsule ellipsoid, 7–10 × 5–7 mm. Seeds obovoid, 2–3 mm, many angled. Fl. Jul–Oct, fr. Sep–Nov.

• Forests; 100–1200 m. SW Yunnan (Lancang Lahu Zu Zizhixian).

Flora of China 24: 358–359. 2000.