

14. MICROMELUM Blume, Bijdr. 137. 1825, nom. cons.

小芸木属 xiao yun mu shu

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Shrubs or trees, unarmed. Leaves alternate, odd-pinnate [or rarely digitately 3-foliolate and/or 1-foliolate]. Inflorescences terminal or terminal and axillary, paniculate. Flowers bisexual, ellipsoid or broadly ellipsoid to obovoid to oblong in bud. Calyx cup-shaped, shallowly 5-lobed or -toothed. Petals 5, valvate in bud. Stamens 10, distinct, alternately unequal in length; filaments sublinear, ± straight. Disk annular or columnar. Gynoecium 3–5-loculed, syncarpous; radial walls of locules becoming curved after anthesis; ovules 2 per locule; style to 1.5 × as long as ovary, deciduous in fruit. Fruit a berry with neither pulp nor pulp vesicles; endocarp membranous. Seeds ellipsoid; seed coat membranous; endosperm lacking; embryo straight; cotyledons broadly elliptic, thin, convolute and/or folded; hypocotyl superior.

About ten species: S and SE Asia, Australia, SW Pacific islands; two species in China.

- 1a. Flower buds ellipsoid or broadly ellipsoid; petals 3–4 mm, outside glabrous or pubescent; margin of leaflet blades serrate or repand 1. *M. falcatum*
- 1b. Flower buds oblong; petals 5–10 mm, outside densely pubescent; margin of leaflet blades crenate, repand, or entire 2. *M. integerrimum*

1. *Micromelum falcatum* (Loureiro) Tanaka, Bull. Mus. Natl. Hist. Nat., sér. 2, 2: 257. 1930.

大管 da guan

Aulacia falcata Loureiro, Fl. Cochinch. 1: 273. 1790.

Trees 1–3 m tall. Branchlets, petioles, and inflorescence rachises hirsute. Leaves 5–11-foliolate; petiolules 3–7 mm; leaflet blades alternate, ovate to lanceolate, inequilateral, 4–9 × 1.2–3.5(–4.5) cm, margin serrate or repand, apex acuminate to caudate. Inflorescences terminal. Flowers ellipsoid or broadly so in bud. Calyx lobes broadly triangular, less than 1 mm. Petals white, oblong, 3–4 mm, outside glabrous or pubescent. Longer stamens subequal to petal length, shorter ones subequal to gynoecium length. Style cylindrical, longer than ovary; stigma capitate. Fruit ellipsoid to obovoid, 8–10 × 7–9 mm, 1- or 2-seeded. Fl. Jan–Apr, fr. Jun–Aug.

Mountains; below 1200 m. SW Guangdong, Guangxi, Hainan, S Yunnan [Cambodia, Laos, Myanmar, Thailand, Vietnam].

2. *Micromelum integerrimum* (Buchanan-Hamilton ex Candolle) Wight & Arnott ex M. Roemer, Fam. Nat. Syn. Monogr. 1: 47. 1846.

小芸木 xiao yun mu

Trees 6–8 m tall. Bark gray, smooth. Leaves 7–15-foliolate or 5–11-foliolate; petiolules 2–5 mm; leaflet blades alternate to subopposite, elliptic, lanceolate, or ovate, inequilateral, both surfaces dark green, margin entire, apex acuminate. Flower buds pale green, oblong. Calyx lobes ca. 1 mm. Petals pale yellow, 5–10 mm, outside densely pubescent. Disk columnar. Stigma capitate. Fruit ellipsoid to obovoid, 1–1.5 × 0.6–1.2 cm, 1- or 2-seeded. Seed coat membranous. Fl. Feb–Apr, fr. Jul–Sep. $2n = 18$.

Moist montane forests, valley forests, maritime thickets in sandy soil; near sea level to 2000 m. SW Guangdong, Guangxi, S and SW Guizhou, Hainan, SE Xizang, S Yunnan [Bhutan, Cambodia, India, Laos, Myanmar, Nepal, Philippines, Thailand, Vietnam].

- 1a. Young parts rust-colored pubescent;

longest leaflet blades to 20 cm 2a. var. *integerrimum*

- 1b. Young parts rust-colored hispid;

longest leaflet blades to 24 cm 2b. var. *mollissimum*

2a. *Micromelum integerrimum* var. *integerrimum*

小芸木(原变种) xiao yun mu (yuan bian zhong)

Bergera integerrima Buchanan-Hamilton ex Candolle, Prodr. 1: 537. 1824.

Trees to 8 m tall. Young parts rust-colored pubescent. Leaves 7–15-foliolate; leaflet blades basally on rachis ca. 4 cm and apically to 20 × 8 cm. Fruit 1–1.5 × 0.7–1.2 cm.

Moist montane forests, maritime thickets in sandy soil; near sea level to 2000 m. SW Guangdong, Guangxi, S and SW Guizhou, Hainan, SE Xizang, S Yunnan [Bhutan, Cambodia, India, Laos, Myanmar, Nepal, Thailand, Vietnam].

2b. *Micromelum integerrimum* var. *mollissimum* Tanaka, Bull. Mus. Natl. Hist. Nat., sér. 2, 2: 157. 1930.

Fl. China 11: 79–80. 2008.

毛叶小芸木 mao ye xiao yun mu

Trees 6–8 m tall. Young parts rust-colored hispid. Leaves 5–11-foliolate; leaflet blades 10–24 × 4–8 cm. Young fruit ellipsoid, ca. 1 × 0.6–0.7 cm, pubescent, glabrescent when ripe, vermilion. Fl. Feb–Apr, fr. Jul–Sep.

Valley forests; 100–600 m. SE Guangxi, S Yunnan [Cambodia, Laos, Philippines, Vietnam].

Fl. China 11: 79–80. 2008.