

5. SCHIMA Reinwardt ex Blume, Catalogus, 80. 1823.

木荷属 mu he shu

Trees, evergreen. Branchlets with white lenticels; terminal buds sericeous. Leaves petiolate; leaf blade margin entire or serrate. Flowers bisexual, axillary, solitary or rarely 3–5 in a short raceme. Pedicel ± slender, apically thickened and recurved; bracteoles usually 2(or more), apically on pedicel, caducous. Sepals 5, imbricate, persistent, basally slightly connate. Petals 5, white, basally connate and adnate with distinct filaments. Stamens numerous; anther dorsifixed. Ovary densely tomentose, 5-loculed with 2 or 3 ovules per locule, placentation axile; style stout, glabrous; stigma capitate, 5-lobed. Capsule globose or depressed globose; pericarp woody, splitting for 1/2 length into 5 valves; columella persistent, stout, extending for 2/3 or more of locule length. Seeds small, reniform, flat, with a marginal membranous wing; endosperm thin; cotyledons leaflike.

About 20 species: Bhutan, Cambodia, China, NE India, Indonesia, Japan (Ryukyu Islands), Laos, Malaysia, Myanmar, Nepal, Thailand, Vietnam; 13 species (six endemic) in China.

- 1a. Leaf blade margin entire.
 - 2a. Bracteoles 4 or 5, 1.2–1.6 cm 5. *S. multibracteata*
 - 2b. Bracteoles 2, 0.5–0.8 cm.
 - 3a. Pedicel 3–6 cm.
 - 4a. Current year branchlets velutinous; leaf blade abaxially glaucous and appressed pubescent along midvein; petioles and pedicels velutinous; sepals 10–12 mm, outside velutinous 1. *S. villosa*
 - 4b. Current year branchlets sparsely pubescent; leaf blade abaxially glabrous and not glaucous; petioles and pedicels glabrous; sepals ca. 5 mm in diam., outside glabrescent 2. *S. noronhae*
 - 3b. Pedicel 1–2.5 cm.
 - 5a. Sepals 4.5–5.5 × 5–6 mm; stamens ca. 1.5 cm; style ca. 1.5 cm 3. *S. brevipedicellata*
 - 5b. Sepals 1.5–3 × 2–3.5 mm; stamens 0.8–1 cm; style ca. 0.7 cm.
 - 6a. Current year branchlets and pedicels appressed silvery pubescent; leaf blade thinly oblong to lanceolate, abaxially glaucous, apex acuminate to long acuminate; sepals orbicular, 2–3 × 2–3 mm, outside glabrous except basally sericeous 4. *S. argentea*
 - 6b. Current year branchlets yellowish pubescent and pedicels gray pubescent; leaf blade elliptic to broadly elliptic, abaxially pale green, apex bluntly acute; sepals lunate to semiorbicular, 1.5–2 × 3–3.5 mm, outside basally puberulent 6. *S. wallichii*
- 1b. Leaf blade margin variously crenulate, crenate, or serrate at least for part of length.
 - 7a. Leaf blade margin entire on ± basal 1/2 and variously crenate, crenulate, or serrate only on ± apical 1/2.
 - 8a. Leaf blade 7–12 cm, secondary veins 6 or 7 on each side of midvein, margin apically undulate crenate 8. *S. crenata*
 - 8b. Leaf blade 12–16 cm, secondary veins 9–12 on each side of midvein, margin apically sparsely serrate or sparsely obtusely serrate.
 - 9a. Leaf blade thickly leathery, abaxially glabrous; petiole 2–4 cm; sepals ca. 6 mm 9. *S. remotiserrata*
 - 9b. Leaf blade thinly leathery, abaxially sparsely prostrate pilose; petiole 1–1.5 cm; sepals 3.5–4 mm 12. *S. sericans*
 - 7b. Leaf margin variously crenate, crenulate, or serrate ± for entire length.
 - 10a. Leaf blade secondary veins 7–9 on each side of midvein; flowers 4–8 in a raceme.
 - 11a. Leaf blade undulately crenate; sepals outside glabrous 10. *S. superba*
 - 11b. Leaf blade margin crenulate; sepals outside pubescent 13. *S. parviflora*
 - 10b. Leaf blade secondary veins 10–14 on each side of midvein; flowers solitary.
 - 12a. Terminal bud yellow sericeous; sepals outside glabrous 7. *S. sinensis*
 - 12b. Terminal bud white sericeous; sepals outside gray velutinous 11. *S. khasiana*

1. *Schima villosa* Hu, Bull. Fan Mem. Inst. Biol., Bot. 8: 141. 1938.

毛木荷 mao mu he

Schima macrosepala Hung T. Chang.

Trees (7–)15–25 m tall. Young branches stout, with white lenticels; current year branchlets gray velutinous; terminal buds ovate, densely gray sericeous. Petiole 1.5–2.5 cm, gray velutinous; leaf blade oblong-elliptic to elliptic, (10–)16–26 × 4.5–8.5 cm, leathery, abaxially glaucous and appressed pubescent along midvein, adaxially dark green, glabrous, and becoming yellowish brown when dry, midvein abaxially raised, secondary

veins 12–15 on each side of midvein, abaxially raised, and adaxially visible or slightly impressed, base cuneate to broadly cuneate, margin entire, apex bluntly acute to acuminate. Flowers solitary, ca. 3 cm in diam. Pedicel ca. 3 cm, stout, gray velutinous, with white lenticels; bracteoles 2, caducous, ovate, ca. 7 mm, gray sericeous. Sepals broadly ovate to suborbicular, (0.7–)1–1.2 cm, leathery, outside yellow velutinous, inside sericeous. Petals white, suborbicular, ca. 2.5 cm, outside basally sericeous. Stamens numerous, 8–10 mm; filaments basally adnate with petals. Ovary yellowish tomentose; style ca. 8 mm, glabrous; stigma 5, capitate. Capsule depressed globose, 1.5–2 × 2–2.5 cm; pericarp woody, splitting into 5 valves. Seeds to-

gether with wing ca. 10×6 mm. Fl. Jul, fr. Nov.

- Forests; 1300–1600 m. Yunnan (Hekou, Jinping, Pingbian).

2. *Schima noronhae* Reinwardt ex Blume, Catalogus, 80. 1823.

南洋木荷 nan yang mu he

Gordonia javanica Rollison ex Hooker.

Trees to 20 m tall. Current year branchlets sparsely pubescent to subglabrous; terminal buds white sericeous. Petiole 1–1.5 cm, glabrous; leaf blade oblong, $10\text{--}15 \times 3\text{--}5$ cm, leathery, abaxially pale green becoming brown when dry, adaxially green, both surfaces glabrous, secondary veins 10–12 on each side of midvein and raised on both surfaces, base cuneate to broadly cuneate, margin entire, apex acuminate. Flowers in a corymbose raceme or sometimes solitary. Pedicel 3–6 cm, \pm slender, recurved, glabrous; bracteoles 2, inserted at middle part of pedicel, caducous. Sepals persistent, suborbicular, ca. 5 mm in diam., outside glabrescent, margin ciliolate. Petals pale pink, broadly obovate, ca. 1.5 cm, outside basally yellowish velutinous, apex rounded. Stamens ca. 8 mm; filaments basally adnate with petals. Ovary tomentose; style ca. 8 mm, glabrous; stigma 5, capitate. Capsule globose, 2–2.5 cm in diam.; pericarp woody, splitting into 5 valves. Seeds together with wing ca. 12×9 mm. Fl. Jul, fr. Oct–Nov.

Forests; 2000–2500 m. S Yunnan [Indonesia, Laos, Malaysia, Myanmar, Thailand, Vietnam].

3. *Schima brevipedicellata* Hung T. Chang, Acta Sci. Nat. Univ. Sunyatseni 22(3): 58. 1983.

短梗木荷 duan geng mu he

Schima polyneura Hung T. Chang.

Trees 7–25 m tall. Young branches purplish brown with white lenticels; current year branchlets gray pubescent, soon glabrescent; terminal buds gray sericeous. Petiole 1.5–2.5 cm, sparsely pubescent or glabrescent; leaf blade oblong-elliptic to obovate-elliptic, $10\text{--}18 \times 3\text{--}6$ (–8) cm, leathery, abaxially glaucous and sparsely prostrate pilose or glabrescent, adaxially dark green, shiny, and glabrous, secondary veins 12–14 on each side of midvein and visible to slightly raised on both surfaces, base broadly cuneate, margin entire, apex bluntly acute to acuminate. Flowers solitary or in a corymbose raceme of 3–5. Pedicel 1.5–2.5 cm, stout, erect, sparsely pubescent, white lenticellate, apically thickened; bracteoles 2, caducous, elliptic, $6\text{--}7.5 \times 4\text{--}5.5$ mm, pubescent. Sepals persistent, suborbicular, $4.5\text{--}5.5 \times 5\text{--}6$ mm, both surfaces yellowish velutinous. Petals white, obovate, $2\text{--}2.5 \times$ ca. 1.5 cm, basally puberulent. Stamens ca. 1.5 cm, glabrous, basally adnate with petals. Ovary tomentose, 5-loculed; style ca. 1.5 cm, glabrous; stigma 5, capitate. Capsule compressed globose, 1.5–2 cm in diam.; pericarp woody, splitting into 5 valves. Seeds together with wing ca. 9×6 mm. Fl. Jul, fr. Oct–Nov.

Evergreen broad-leaved forests; 500–1900 m. NW Guangxi, N Guangxi, Guizhou, Hunan, S Jiangxi, SE Sichuan, SE Yunnan [N Vietnam].

4. *Schima argentea* E. Pritzl, Bot. Jahrb. Syst. 29: 473. 1900.

银木荷 yin mu he

Schima bambusifolia Hu; *S. mairei* Hochreutiner.

Trees 6–15 m tall. Young branches brown, glabrous, with white lenticels; current year branchlets silvery appressed sericeous; terminal buds silvery sericeous. Petiole 1–1.5 cm, sparsely pubescent or glabrescent; leaf blade thinly oblong to lanceolate, $(6.5\text{--})8\text{--}14 \times 2\text{--}5$ cm, leathery, abaxially glaucous and sparsely pubescent or glabrescent, adaxially green and shiny and glabrous, secondary veins ca. 10 on each side of midvein, slender, and visible to slightly raised on both surfaces, base cuneate, margin entire, apex acuminate to long acuminate. Flowers solitary or 3–8 arranged in a corymbose raceme. Pedicel 1–2 (–3.5) cm, slender, recurved, appressed silvery sericeous; bracteoles 2, caducous, ovate, 5–7 mm. Sepals orbicular, $2\text{--}3 \times 2\text{--}3$ mm, outside brown and glabrous except basally sericeous, inside white sericeous, margin ciliolate. Petals white, broadly obovate, $1.5\text{--}1.8 \times 1\text{--}1.5$ cm, outside basally white sericeous, apex rounded. Stamens 8–10 mm; filaments basally adnate with petals. Ovary white tomentose but apically glabrous; style ca. 7 mm, glabrous; stigma 5, capitate. Capsule globose, 1–1.5 cm in diam.; pericarp woody, splitting into 5 valves, white lenticellate. Seeds together with wing $6\text{--}9 \times 4\text{--}4.5$ mm. Fl. Jul–Sep, fr. Dec.

Forests; 1600–2800 (–3200) m. S Guangxi, Jiangxi, SW Sichuan, Yunnan [Myanmar, Vietnam].

5. *Schima multibracteata* Hung T. Chang, Acta Sci. Nat. Univ. Sunyatseni 22(3): 59. 1983.

多苞木荷 duo bao mu he

Trees. Young branches grayish white; current year branchlets stout, glabrous. Petiole 1.5–2 cm, glabrous; leaf blade obovate, $11\text{--}16 \times 4.5\text{--}7$ cm, thinly leathery, abaxially glaucous, adaxially pale green and shiny when dry, both surfaces glabrous, secondary veins 12–16 on each side of midvein and visible on both surfaces, base cuneate and decurrent, margin entire, apex bluntly acute. Flowers axillary, 4–7 in a cluster. Pedicel ca. 1.5 cm, glabrous; bracteoles 4 or 5, 2 at 4–6 mm from sepals, 2 or 3 near sepals, lanceolate, 1.2–1.6 cm, outside puberulent. Sepals 5, imbricate, suborbicular, ca. 6 mm, outside silvery sericeous. Petals 5, white, broadly ovate, basally slightly connate. Stamens numerous, ca. 1/2 as long as petals; filaments distinct, basally adnate with petals. Ovary tomentose, 5-loculed. Capsule and seeds not seen. Fl. Aug–Sep.

- Forests; ca. 1400 m. E and S Guangxi.

This species is closely related to *Schima argentea*.

6. *Schima wallichii* (Candolle) Korthals, Verh. Nat. Gesch. Ned. Bezitt. Bot. 143. 1842.

红木荷 hong mu he

Gordonia wallichii Candolle, Prodr. 1: 528. 1824; *G. chilaunia* Buchanan-Hamilton ex D. Don; *Schima brevipes* Craib.

Trees 10–15 (–20) m tall. Young branches grayish brown, glabrous, densely white lenticellate; current year branchlets yellowish pubescent, longitudinally ribbed; terminal buds white

velutinous. Petiole 1–2 cm, yellowish villous; leaf blade elliptic to broadly elliptic, 8–17.5 × 4–7.5 cm, leathery, abaxially pale green becoming brown when dry, sparsely prostrate pubescent, and spreading villous along midvein, adaxially dark green and glabrous, midvein abaxially raised and adaxially impressed, secondary veins 8–12 on each side of midvein, secondary and reticulate veins raised on both surfaces, base broadly cuneate, margin entire, apex bluntly acute. Flowers axillary, solitary or to 3 in a cluster, white, fragrant, 3–4 cm in diam. Pedicel 1–1.5 cm, gray pubescent, white lenticellate; bracteoles 2, caducous. Sepals lunate to semiorbicular, 1.5–2 × 3–3.5 mm, outside basally glabrous or puberulent, margin ciliolate. Petals white, broadly obovate, 1.5–2 × ca. 1.5 cm, outside basally puberulent, apex rounded. Stamens 8–10 mm; filaments basally adnate with petals. Ovary globose, yellowish tomentose but apically glabrous; style ca. 7 mm, glabrous; stigma 5, capitate. Capsule brown, subglobose, 1.5–2 cm in diam., 5-loculed with 2 seeds per locule; pericarp woody, splitting into 5 valves, white lenticellate. Seeds reniform, together with wing 8–10 × 5–10 mm. Fl. Apr–May, fr. Nov–Dec. $2n = 36$.

Forests; (300–)800–1800(–2700) m. S Guangxi, S Guizhou, SE Xizang, S Yunnan [Bhutan, N India, Laos, Myanmar, Nepal, Thailand, Vietnam].

7. *Schima sinensis* (Hemsley & E. H. Wilson) Airy Shaw, Bull. Misc. Inform. Kew 1936: 496. 1936.

华木荷 hua mu he

Gordonia sinensis Hemsley & E. H. Wilson, Bull. Misc. Inform. Kew 1906: 153. 1906; *Schima grandiperulata* Hung T. Chang.

Trees 8–18(–25) m tall. Young branches brown, white lenticellate; current year branchlets purplish red, glabrous; terminal buds yellow sericeous. Petiole purplish red, 1–1.5 cm, glabrous; leaf blade oblong-elliptic to oblong, 9–16 × 3.5–5.5 cm, leathery, abaxially pale green becoming brown when dry, adaxially dark green and shiny, both surfaces glabrous, secondary veins 12–14 on each side of midvein, slender, and raised on both surfaces, base broadly cuneate, margin sparsely obtusely serrate, apex acuminate. Flowers solitary, 4–5 cm in diam. Pedicel (2.5–)4–6.5 cm, erect, glabrous; bracteoles 2, caducous, broadly obovate, 1–1.5 cm, glabrous. Sepals suborbicular, 5–6.5 mm in diam., outside glabrous, inside white sericeous, margin ciliolate. Petals white, broadly obovate, 2.5–3 × 1.5–2.2 cm, outside basally white puberulent, apex rounded. Stamens 1–1.5 cm; filaments basally adnate with petals. Ovary globose, tomentose but apically glabrous, 5-loculed; style 0.8–1.2 cm, glabrous; stigma 5, capitate. Capsule subglobose, ca. 2 cm in diam., 5-loculed with 2 seeds per locule; pericarp woody, splitting into 5 valves. Seeds together with wing 10–12 × ca. 7 mm. Fl. Jul–Aug, fr. Oct–Nov.

• Forests; 1400–2200 m. N Guangxi, Guizhou, W Hubei, W Hunan, Sichuan, NE Yunnan.

8. *Schima crenata* Korthals, Verh. Nat. Gesch. Ned. Bezitt. Bot. 143. 1842.

钝齿木荷 dun chi mu he

Trees to 20 m tall. Bark thick. Current year branchlets puberulent when young, soon glabrescent, white lenticellate. Petiole 1.5–2.5 cm, glabrous; leaf blade oblong, 7–12 × 3–4.4 cm, leathery, abaxially yellowish green when dry, adaxially green, both surfaces glabrous, secondary veins 6 or 7 on each side of midvein, secondary and reticulate veins visible on both surfaces, base cuneate and decurrent, margin basally entire and undulate crenate on ± apical 1/2, apex acuminate. Flowers solitary or several on a short raceme, ca. 3 cm in diam. Pedicel 4–5 cm, puberulent; bracteoles 2, close to calyx, caducous. Sepals persistent, semiorbicular, ca. 4 × 5 mm, outside glabrous or puberulent, inside sericeous, margin ciliolate. Petals white, broadly obovate, ca. 1.5 × 1 cm, outside basally puberulent, apex rounded. Stamens 5–8 mm; filaments distinct. Ovary tomentose, 5-loculed; style 6–7 mm; stigma 5, capitate. Capsule subglobose, 1.6–2 cm in diam., 5-loculed with 2 or 3 seeds per locule; pericarp woody, splitting into 5 valves. Seeds together with wing 6–8 × 4–5 mm. Fl. Dec–Feb, fr. Jul–Oct.

Evergreen broad-leaved forests; 700–1000 m. Hainan [Cambodia, Indonesia, Laos, Malaysia, Thailand, Vietnam].

9. *Schima remotiserrata* Hung T. Chang, Acta Sci. Nat. Univ. Sunyatseni 22(3): 60. 1983.

疏齿木荷 shu chi mu he

Schima kwangtungensis Hung T. Chang.

Trees. Current year branchlets pubescent or glabrescent; terminal buds white sericeous or glabrescent. Petiole 2–4 cm, compressed, glabrous, apically narrowly winged; leaf blade oblong to elliptic, 12–16 × 5–6.5 cm, thickly leathery, abaxially pale green, adaxially dark green and shining, both surfaces glabrous, secondary veins 9–12 on each side of midvein, secondary and reticulate veins raised on both surfaces, base broadly cuneate and decurrent, margin sparsely serrate on apical 1/2, apex acuminate. Flowers 6 or 7 in a short raceme, ca. 4 cm in diam. Pedicel 3.5–4 cm, puberulent or glabrescent; bracteoles 2, caducous, 5–10 mm from sepals. Sepals suborbicular, ca. 6 mm in diam., outside glabrous, inside white sericeous, margin ciliolate. Petals white, broadly obovate, 2–3 cm, apex rounded. Stamens 0.9–1.2 cm; filaments distinct. Ovary glabrous or basally tomentose, 5-loculed; style 8–10 mm, glabrous. Capsule ca. 1.5 cm in diam. Fl. Aug–Sep, fr. Oct–Nov.

• Forests; 500–1000 m. Fujian, Guangdong, E Guangxi, S Hunan, Jiangxi (Wuyi Shan).

10. *Schima superba* Gardner & Champion, Hooker's J. Bot. Kew Gard. Misc. 1: 246. 1849.

木荷 mu he

Schima confertiflora Merrill; *S. kankaoensis* Hayata; *S. liukuensis* Nakai; *S. xinyiensis* Hung T. Chang & Z. Y. Su.

Trees 5–20 m tall. Young branches glabrous or puberulent. Petiole 1–2 cm, sparsely pubescent or glabrous; leaf blade elliptic to oblong-elliptic, 7–13 × 2.5–4(–6) cm, thinly leathery to leathery, abaxially pale green, sparsely pubescent or glabrous, and becoming yellowish green when dry, adaxially green, shiny, and glabrous, secondary veins 7–9 on each side of mid-

vein and visible or obscure on both surfaces, base cuneate, margin undulately obtusely crenate from basal 1/2 apically, apex acuminate. Flowers 4–8 in a raceme, 2–3 cm in diam. Pedicel 1–2.5 cm, slender, glabrous or sparsely pubescent; bracteoles 2, caducous. Sepals semiorbicular, 2–3 mm, outside glabrous, inside sericeous, margin ciliolate. Petals white, obovate, 1–1.5 cm, outside basally puberulent. Stamens 5–7 mm. Ovary tomentose; style ca. 5 mm. Capsule subglobose, 1–2 cm in diam. Fl. Jun–Aug, fr. Oct–Dec. $2n = 36$.

Forests; 100–800(–1600) m. Anhui, Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hubei, Hunan, Jiangxi, Taiwan, Zhejiang [Japan (Ryukyu Islands)].

11. *Schima khasiana* Dyer in J. D. Hooker, Fl. Brit. India 1: 289. 1874.

印度木荷 yin du mu he

Schima forrestii Airy Shaw.

Trees 20–25 m tall. Current year branchlets purplish red, glabrous or glabrescent; terminal buds grayish white sericeous. Petiole 1.5–2 cm, pubescent or glabrescent; leaf blade elliptic, 10–18 × 4–9 cm, thinly leathery, abaxially pale green, pubescent along reddish midvein, and becoming pale brown when dry, adaxially dark green, shiny, and glabrous, secondary veins 10–12 on each side of midvein and slender, secondary and reticulate veins raised on both surfaces, base broadly cuneate to subrounded, margin serrate essentially along whole length, apex abruptly acute to acuminate. Flowers solitary, ca. 6 cm in diam. Pedicel 1.5–2 cm, velutinous, thickened toward apex; bracteoles 2, caducous, broadly obovate, 10–12 × 8–9 mm, puberulent. Sepals semiorbicular, ca. 4 × 6 mm, outside velutinous, margin fringed serrulate. Petals white, broadly obovate, 2.5–3 cm, outside basally velutinous. Stamens 1–1.5 cm. Ovary yellowish tomentose; style glabrous. Capsule globose, 3–3.5 cm in diam.; pericarp woody, splitting into 5 valves. Seeds together with wing 1.2–1.6 × 0.8–1 cm. Fl. Jun–Jul, fr. Oct–Dec.

Forests; 900–1800(–2800) m. SE Xizang, SE and W Yunnan [Bhutan, NE India, N Myanmar, N Vietnam].

12. *Schima sericans* (Handel-Mazzetti) T. L. Ming, Fl. Yunnan. 8: 326. 1997.

贡山木荷 gong shan mu he

Trees 9–15 m tall. Young branches brown, white lenticellate; current year branchlets gray puberulent or glabrous; terminal buds gray sericeous. Petiole 1–1.5 cm, glabrous or puberulent but glabrescent; leaf blade oblong to oblong-elliptic, 12–16 × 4–6 cm, thinly leathery, abaxially pale green, sparsely prostrate pilose, and becoming pale brown when dry, adaxially dark green and shiny and glabrous, midvein abaxially raised and adaxially impressed, secondary veins 10–12 on each side of midvein, slender, and raised on both surfaces, base cuneate to broadly cuneate, margin basally entire and sparsely obtusely serrate from middle apically, apex acuminate. Flowers solitary, ca. 4 cm in diam. Pedicel 3–6 cm, slender, puberulent or glabrous, white lenticellate; bracteoles 2, caducous, broadly obovate, ca. 1.4 × 1–1.2 cm, sparsely prostrate pilose. Sepals suborbicular, 3.5–4 mm in diam., outside gray puberulent or gla-

brous, inside white sericeous, margin ciliolate. Petals white, obovate to elliptic, 2–2.5 × 1–1.3 cm, outside basally velutinous. Stamens ca. 1 cm. Ovary tomentose; style ca. 8 mm, glabrous. Capsule globose, 1–1.5 cm in diam.; pericarp woody, splitting into 5 valves. Seeds together with wing ca. 6 × 4 mm. Fl. Jul–Sep, fr. Oct–Nov.

• Forests; 1600–2400 m. SE Xizang, NW Yunnan.

- 1a. Current year branchlets, petioles, pedicels, and outside of sepals gray puberulent 12a. var. *sericans*
1b. Current year branchlets, petioles, pedicels, and outside of sepals glabrous 12b. var. *paracrenata*

12a. *Schima sericans* var. *sericans*

贡山木荷(原变种) gong shan mu he (yuan bian zhong)

Schima khasiana Dyer var. *sericans* Handel-Mazzetti, Anz. Akad. Wiss. Wien, Math.-Naturwiss. Kl. 61: 108. 1924.

Current year branchlets, petioles, pedicels, and outside of sepals gray puberulent. Fl. Aug–Sep, fr. Oct–Nov.

• Forests; 1600–1900 m. SE Xizang, NW Yunnan.

12b. *Schima sericans* var. *paracrenata* (Hung T. Chang) T. L. Ming, Fl. Yunnan. 8: 327. 1997.

独龙木荷 du long mu he

Schima paracrenata Hung T. Chang, Acta Sci. Nat. Univ. Sunyatseni 22(3): 61. 1983; *S. dulungensis* Hung T. Chang & C. X. Ye.

Current year branchlets, petioles, abaxial surface of leaf blades, pedicels, and outside of sepals glabrous. Fl. Jul–Aug, fr. Oct.

• Forests; 1700–2400 m. NW Yunnan.

13. *Schima parviflora* W. C. Cheng & Hung T. Chang, Acta Sci. Nat. Univ. Sunyatseni 22(3): 61. 1983.

小花木荷 xiao hua mu he

Trees to 12 m tall. Current year branchlets slender, pubescent. Petiole 0.8–1.5 cm, slender, pubescent; leaf blade oblong to lanceolate, 7–10 × 2–3 cm, thinly leathery to submembranous, abaxially pale green and pubescent, adaxially dark green, glabrous, and becoming yellowish green when dry, secondary veins 7–9 on each side of midvein and visible on both surfaces, base broadly cuneate, margin crenulate, apex acuminate. Flowers 4–8 in a raceme, ca. 2 cm in diam. Pedicel 1–1.5 cm, slender, pubescent; bracteoles 2, caducous. Sepals broadly ovate, ca. 2 mm, outside pubescent. Petals white, obovate, 1–1.5 cm, outside puberulent. Stamens 5–7 mm, glabrous. Ovary tomentose; style ca. 3 mm. Capsule subglobose, 1–1.2 cm in diam. Fl. Jun–Aug, fr. Oct–Nov.

• Forests, thickets; 600–1800 m. N Guizhou, W Hubei, NW Hunan, E Sichuan.

Specimens from Xizang reported to be *Schima parviflora* (Fu et al., Higher Pl. China 4: 612. 2000) are in fact *S. khasiana*.

Flora of China 12: 420–424. 2007.