
火麻树属  huo ma shu shu

Chen Jiarru (陈家瑞 Chen Chia-ju); Ib Friis, C. Melanie Wilmot-Dear

Trees or shrubs, evergreen, branches sympodial, often with terminal rosettes of leaves, armed with stinging hairs. Leaves alternate, spiral, petiolate; stipules deciduous, intrapetiolar, completely connate, leathery, often large, apex entire; leaf blade leathery or papery, pinnately veined, rarely 3–5-veined, margin entire, undulate, or crenulate; cystoliths punctiform. Inflorescences solitary, pedunculate, generally forming cymose-paicles or racemes unisexual (plants dioecious); female glomerules often with thickened, fleshy flabellate receptacle; bracts present. Male flowers 4- or 5-merous; filaments of stamens inflexed in bud; rudimentary ovary conspicuous. Female flowers: perianth lobes 4, connate 1/2 of length, unequal, 2 lateral lobes wider, enclosing the ovary, triangular-ovate, ca. 0.4 mm, sparsely puberulent and armed with short stinging hairs; stigma somewhat straight, filiform, ca. 3 mm. Achene subglobose, oblique, compressed, ca. 3 mm in diam., inconspicuously verrucose; persistent perianth forming a minute cupule at base. Fr. Apr.

Forests; 100–600 m. Guangdong, Hainan, Taiwan [Indonesia, Laos, Malaysia, Philippines, Thailand, Vietnam; Borneo].


哎人狗  yao ren gou


Trees, crown truncate; 3 m tall, bark gray, armed with


Trees 3–15 m tall, 8–20 cm d.b.h.; bark whitish gray, lenticel elliptic; leaf scars semi-ribicular, conspicuous; upper stem and branchlets velutinous and armed with stinging hairs, soon glabrescent. Stipules caducous, triangular-ovate, ca. 1 cm, leathery, puberulent abaxially; petiole 7–15 cm, velutinous and armed with short stinging hairs; leaf blade dark green, cordate, 15–25 × 12–22 cm, papery, 3–5-veined, lateral veins 5–7 each side, anastomosing before margin, adaxial surface strigose and sparsely armed with short, stinging hairs, abaxial surface velutinous, with red glandular dots, armed with stinging hairs on veins, base cordate, margin entire or inconspicuously serrulate at apex, apex acuminate; cystoliths minutely pustuliform, conspicuous adaxially. Inflorescences in distal axils of branchlets, long paniculate, shorter than leaves; female inflorescences longer than leaves, to 50 cm, peduncles to 25 cm, densely armed with stinging hairs. Male flowers subsessile, in bud 2 mm; perianth lobes 5, ovate, pubescent; stamens 5; rudimentary ovary obconic, 1 mm. Female flowers 4–6 in a row on slightly fleshy flabellate peduncular receptacle, entirely sessile, ca. 1 mm; perianth lobes 4, unequal, 1 large, ca. 1 mm, 2 medium ca. 0.5 mm, 1 small, ca. 0.3 mm. Ovary ca. 1 mm; stigma ligulate, ca. 3 mm; bracts ca. 0.3 mm. Achene dark reddish, subglobose, oblique, compressed, ca. 3 mm in diam., conspicuously verrucose; persistent perianth forming a minute cupula at base. Fl. Sep.–Oct or Jan.–Feb, fr. Oct.–Dec or Apr.–May.

Mixed forests on limestone; 800–1300 m. SW Guangxi, S Yunnan [Vietnam].


Trees 3–15 m tall, 8–20 cm d.b.h.; bark whitish gray, lenticel elliptic; leaf scars semi-ribicular, conspicuous; upper stem and branchlets velutinous and armed with stinging hairs, soon glabrescent. Stipules caducous, triangular-ovate, ca. 1 cm, leathery, puberulent abaxially; petiole 7–15 cm, velutinous and armed with short stinging hairs; leaf blade dark green, cordate, 15–25 × 12–22 cm, papery, 3–5-veined, lateral veins 5–7 each side, anastomosing before margin, adaxial surface strigose and sparsely armed with short, stinging hairs, abaxial surface velutinous, with red glandular dots, armed with stinging hairs on veins, base cordate, margin entire or inconspicuously serrulate at apex, apex acuminate; cystoliths minutely pustuliform, conspicuous adaxially. Inflorescences in distal axils of branchlets, long paniculate, slightly longer than petioles. Male flowers sessile, in bud 1.2 mm; perianth lobes 5, ovate, pubescent; stamens 5;
rudimentary ovary obovoid, 0.4 mm. Female flowers 3 or 4 in a row on slightly fleshy flabellate peduncular receptacle, subsessile, ca. 1 mm; perianth lobes 4, unequal, 1 large, ca. 1 mm, 2 medium ca. 0.5 mm, ventral small, ca. 0.2 mm. Ovary ca. 1 mm; stigma straight, ligulate, ca. 2 mm; bracts ca. 0.3 mm. Achene orbicular-ovoid, oblique, compressed, ca. 2.5 mm, conspicuously verrucose; persistent perianth forming a minute cupule at base. Fl. Aug–Sep, fr. Sep–Oct.

Mixed forests on limestone; 1000–1200 m. S Yunnan [Myanmar, Thailand].


**全缘火麻树** quan yuan huo ma shu

*Urtica sinuata* Blume, Bijdr. Fl. Ned. Ind. 505. 1826; *Laportea crenulata* Gaudichaud-Beaupré; *L. integrifolia* C. Y. Wu; *L. sinuata* (Blume) Miquel; *Urtica ardens* Blume (1825), not Link (1822); *U. crenulata* Roxburgh.

Shrubs or small trees, 3–7 m tall; branchlets spreading, semiwoody; bark gray-green; upper stem and branchlets sparsely armed with stinging hairs. Stipules brownish, caducous, ovate-lanceolate, ca. 1.5–2.5 cm, subleathery, puberulent abaxially; petiole 2–10 cm, sparsely pubescent and armed with stinging hairs; leaf blade elliptic, oblong- or obovate-lanceolate, rarely rhombic, 10–45 × 5–20 cm, leathery or papery, pinnate, lateral veins 8–15 each side, anastomosing before margin, prominent abaxially, both surfaces subglabrous or sparsely armed with stinging hairs on veins, base cuneate, rounded, or deeply cordate, margin entire, sinuate to irregularly denticulate, apex acute to long acuminate; cystoliths minutely punctiform, conspicuous adaxially. Male inflorescences in distal axils of branchlets, long paniculate, 5–10 cm; armed with stinging hairs; female inflorescences also in distal axils, 10–20 cm. Male flowers subsessile, in bud 1.2 mm; perianth lobes 4, ovate, pubescent and armed with short stinging hairs; stamens 4; rudimentary ovary obovoid, 0.5 mm. Female flowers: pedicels often fleshy but not swollen; perianth lobes 4, unequal, 1–1.5 mm. Ovary ca. 1.5 mm; stigma ligulate, ca. 2 mm. Achene asymmetrically pyramidal, 5–6 mm, conspicuously verrucose; persistent perianth forming a minute cupule at base. Fl. Sep–Apr, fr. Sep–Nov.

Mixed forests; 300–800 m. S Guangdong, SW Guangxi, Hainan, S Xizang, SW Yunnan [India, Malaysia, Myanmar, Sikkim, Sri Lanka, Thailand].