

41. **CNESMONE** Blume, Bijdr. 630. 1826 [“*Cnesmosa*”].

粗毛藤属 *cu mao teng shu*

Qiu Huaxing (丘华兴 Chiu Hua-hsing, Kiu Hua-shing, Kiu Hua-xing); Lynn J. Gillespie

Cnesmon Gagnepain.

Subshrubs, twining or climbing, monoecious; indumentum of simple and stinging hairs. Leaves alternate; stipules conspicuous, persistent; leaf blade simple, palmately 3–5-veined. Inflorescences terminal or leaf-opposed, unbranched, bisexual, male flowers distal, female flowers proximal. Male flowers: calyx base somewhat hollowed with raised rim, calyx lobes 3, valvate; petals absent; disk absent; stamens 3, erect, alternate with lobes; filaments free, short and thick; connective thickened, produced into a linear, reflexed appendage, locules distinct, divergent, introrse; pistillode absent. Female flowers: sepals 3 or 6, accrescent; ovary 3-locular, strigose; ovules 1 per locule; styles 3, base connate, upper parts spreading, plumose-papillose. Fruit a capsule, 3-locular. Seeds globose; testa crustaceous, with a fleshy coat.

Eleven species: Bangladesh, Cambodia, China, NE India, Indonesia, Laos, Malaysia, Myanmar, Philippines, Thailand, Vietnam; three species (two endemic) in China.

- 1a. Female sepals 3, equal; leaf blade base rounded, margin entire or repand 3. *C. hainanensis*
- 1b. Female sepals 6, unequal; leaf blade base cordate, margin serrate.
 - 2a. Leaf blade broadest at or below middle, 8–15 cm; stipules 4–7 mm; larger 3 female sepals 5–7 mm 1. *C. tonkinensis*
 - 2b. Leaf blade broadest well below middle, 3–6 cm; stipules less than 3 mm; female sepals all less than 5 mm 2. *C. mairei*

1. *Cnesmone tonkinensis* (Gagnepain) Croizat, J. Arnold Arbor. 22: 429. 1941.

灰岩粗毛藤 *hui yan cu mao teng*

Cnesmon tonkinense Gagnepain, Bull. Soc. Bot. France 71: 869. 1925; *Cnesmone anisosepala* (Merrill & Chun) Croizat; *Tragia anisosepala* Merrill & Chun.

Subshrubs, stem twining or climbing, 5–7 m tall, most parts densely yellow villous and with stinging hairs. Stipules broadly triangular, 4–7[–10] mm, pilose; petiole 2–7.5[–9] cm, villous; leaf blade elliptic, oblong-ovate, or narrowly ovate, 8–15 × 4–9 cm, papery or membranous, adaxially villous, abaxially tomentose, base cordate, margin coarsely irregularly serrate, apex acute or acuminate; basal veins ?3, lateral veins 3–5 pairs. Racemes 2–12 cm, villous; peduncle 1–6 cm; female flowers (1 or)2(or 3), male flowers many; bracts lanceolate, 1–4 mm. Male flowers: pedicel ca. 1.5 mm; calyx globose in bud, ca. 3 mm in diam., pilose; calyx lobes 3, broadly ovate, ca. 2 mm; stamens 0.6–1 mm, locule ca. 0.5 mm. Female flowers: pedicel ca. 1 mm; sepals 6, unequal, villous, larger 3 elliptic or obovate, 5–7 × 2–3 mm, smaller 3 lanceolate or oblanceolate, 2–5 × 0.5–1 mm, sepals slightly larger in fruit; ovary densely hispid and villous; styles thick, wide-spreading, 2–3 mm, plumose and ?papillose. Capsule ca. 10 mm in diam., villous. Seeds globose, 4–4.5 mm in diam., brownish marbled. Fl. Apr–Sep, fr. May–Oct.

Mountain valleys, limestone rocks, slopes, thickets, forests; 100–600 m. SW Guangxi, Hainan [Thailand, N Vietnam].

2. *Cnesmone mairei* (H. Léveillé) Croizat, J. Arnold Arbor. 22: 429. 1941.

粗毛藤 *cu mao teng*

Alchornea mairei H. Léveillé, Cat. Pl. Yun-Nan. 94. 1916; *Cnesmon mairei* (H. Léveillé) Gagnepain; *Tragia mairei* (H. Léveillé) Rehder.

Subshrubs, twining or climbing, 3–5 m tall, most parts

densely yellowish villous and with stinging hairs. Stipules triangular, ca. 3 mm, pilose; petiole 1–4.5 cm, villous; leaf blade broadly ovate or triangular-ovate, often shortly 3-lobed, 3–6 ×

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2–4 cm, papery, villous, more densely so abaxially and on major veins, base cordate, margin irregularly serrate, apex abruptly acuminate; basal veins 3–5, lateral veins 3–5 pairs. Racemes 6–10 cm, villous; peduncle 1–5 cm; female flowers 1–3, male flowers many; bracts narrowly ovate or lanceolate, 2–3 mm. Male flowers: pedicel ca. 2 mm; calyx globose in bud, 2.5–3 mm in diam., pilose; calyx lobes 3, broadly ovate or triangular-ovate, ca. 2 mm; stamens ca. 1 mm. Female flowers subsessile; sepals 6, unequal, pubescent, larger 3 obovate, 3.5–5 × 2.5–3 mm, margin dentate, smaller 3 oblanceolate, 1–3 × 0.5–1.5 mm, slightly larger in fruit; ovary densely hispid; styles thick, wide-spreading, plumose-papillose. Capsule hispid, 4–5 × 8–9 mm. Seeds globose, ca. 4 mm in diam. Fl. Jun–Jul, fr. Jul–Aug.

- Along river valleys, thickets; 700–1000 m. Yunnan.

3. *Cnesmone hainanensis* (Merrill & Chun) Croizat, J. Arnold Arbor. 22: 430. 1941.

海南粗毛藤 hai nan cu mao teng

Cnesmon hainanense Merrill & Chun, Sunyatsenia 5: 94. 1940.

Subshrubs, climbing or twining, 2–3 m tall, grayish pubescent and with stinging hairs. Stipules triangular, 2–3.5 mm; petiole 1–2 cm, pubescent; leaf blade oblong, 3–8 × 2–4 cm, papery, abaxially tomentulose, adaxially pubescent, glabrescent, base obtuse or rounded, slightly peltate, margin entire or repand, apex acute or abruptly acuminate; basal veins 3–5, lateral veins 3 or 4 pairs. Racemes 3–5 cm, pubescent; peduncle 2–2.5 cm; female flowers 1 or 2, male flowers 7–10; bracts lanceolate, 1.5–2 mm, pilose. Male flowers: pedicel 1–2 mm; calyx ca. 2.5 mm in diam., pilose, calyx lobes ovate-triangular, ca. 2 mm; stamens ca. 1 mm. Female flowers: pedicel 2–3 mm; sepals 3, subovate, 4–5 mm, villous, enlarged to 5–6 × 4–5 mm in fruit; ovary hispid; style spreading, ca. 3 mm, plumose. Capsule oblate, ca. 4 × 8–10 mm in diam., hispid. Seeds globose, ca. 4 mm in diam., brownish marbled. Fl. Apr–Nov, fr. Jun–Dec.

- Seashores, fields, wastelands, thickets; below 100 m. S Guangdong, S Guangxi, Hainan.

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