

37. KOILODEPAS Hasskarl, Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch. 4: 139. 1856.

白茶树属 bai cha shu shu

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Calpigyne Blume.

Shrubs or small trees, monoecious or dioecious, most parts stellate-pubescent. Leaves alternate, simple; stipules small, persistent; petiole short; leaf blade margin entire or crenate-serrulate; venation pinnate. Plants monoecious [or dioecious]. Inflorescences axillary, spikelike thyrses, rarely with a few short branches, male flowers in clusters, sparsely spaced along axis, female flowers few at base. Male flowers: calyx lobes 3 or 4, short, valvate; petals absent; disk absent; stamens 3–8(–10); filaments thick, ± triangular-ovate; anthers small, thecae indistinct, introrse; pistillode small. Female flowers: sepals 4–10, often connate into shortly lobed cup, imbricate; petals absent; disk absent; ovary [2 or]3-locular, tomentose; styles 3, connate below, 2- to many lobed, plumose. Fruiting calyx sometimes accrescent; capsule splitting into [2 or]3 2-valved cocci, stellate-pubescent. Seeds subglobose, smooth, marbled; aril or caruncle absent.

About ten species: India, Indonesia, Malaysia, Thailand, Vietnam; one species in China.

1. *Koilolepas hainanense* (Merrill) Airy Shaw, Kew Bull. 14: 384. 1960.

白茶树 bai cha shu

Calpigyne hainanensis Merrill, J. Arnold Arbor. 6: 135. 1925; *Koilolepas hainanense* (Merrill) Croizat.

Trees or shrubs, 3–15 m tall, monoecious. Branchlets gray-yellowish stellate-tomentose. Stipules lanceolate, 5–7 mm; petiole 5–10 mm, tomentose; leaf blade elliptic or elliptic-lanceolate, 8–32 × 2–8.5 cm, thickly papery or thinly leathery, glabrous, drying dull brown, base broadly cuneate, obtuse, or slightly cordate, margin crenate-serrulate or crenate, apex acuminate. Inflorescence 4–10 cm, axis slender, tomentose; bracts broadly ovate, 1.5–2.5 mm; male glomerules well spaced, 5–11-flowered; female flowers 1–3, at base, sometimes absent. Male flowers: calyx 3- or 4-lobed, ca. 1 mm, stellate-pubescent; stamens 3–5; filaments short, base connate; pistillode globose, small. Female flowers: calyx 5- or 6-lobed, 3–4 mm, cup-shaped, lobes lanceolate or subovate, tomentose; ovary turbi-

nate, tomentose; styles ca. 2.5 mm, upper part spreading, flattened, shortly 5-lobed, plumose. Fruiting pedicel 3–4 mm, tomentose; persistent calyx membranous, ca. 1.7 cm in diam., lobes unequal, sparsely stellate-pubescent; capsule subglobose, brownish, tomentose, ca. 1.7 cm in diam. Seeds subglobose, ca. 8 mm in diam., brown marbled. Fl. Mar–Apr, fr. Apr–May.

Mountain slopes or valleys, forests, thickets, sometimes limestone hills; below 100–400 m. Hainan [N Vietnam].

The inclusion by Croizat of *Nephrostylus poilanei* Gagnepain within his concept of *Koilolepas hainanense* is not accepted.

Fl. China 11: 249–250. 2008.