

**14. PLATYSTEMMA** Wallich, Pl. Asiat. Rar. 2: 41. 1831.

堇叶苣苔属 jin ye ju tai shu

Herbs, perennial, epipetric, rhizomatous. Stems simple. Leaves 1(or 2), on stem, apical; leaf blade pubescent, base cordate to auriculate. Inflorescences lax, axillary, 1–3(–6)-flowered cymes; bracts apparently absent. Calyx actinomorphic, 5-sect from near base; lobes equal. Corolla purple-red, zygomorphic, inside glabrous, outside oblique, campanulate, not swollen, shorter than limb, 3–5 mm in diam.; limb 2-lipped; adaxial lip 2-lobed, distinctly shorter than abaxial lip; abaxial lip 3-lobed, lobes subequal, apex rounded. Stamens 4, adnate to corolla tube very near base, included; anthers basifixed, coherent in pairs, thecae divaricate, confluent, dehiscing from fissures or cracks; connective not projecting; staminode 1, adnate to adaxial side of corolla tube. Disc ringlike. Ovary ovoid, 1-loculed; placentas 2, parietal, projecting inward, 2-cleft. Stigma 1, terminal, capitate, undivided. Capsule straight in relation to pedicel, ovoid-oblong, slightly longer than calyx, dehiscing loculicidally to base; valves 2, straight, not twisted. Seeds unappendaged.

One species: Bhutan, China, N India, Nepal.

**1. *Platystemma violoides*** Wallich, Pl. Asiat. Rar. 2: 42. 1831.

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Stems 3–9(–12) cm, sparsely white pubescent to glabrescent. Leaf blade broadly ovate, 1.5–8 × 1.8–8 cm, adaxially white appressed pubescent, abaxially sparsely white pubescent, base cordate to auriculate, margin coarsely dentate, apex broadly acute to obtuse; lateral veins subpalmate, 3–6 on each side of midrib. Peduncle 1–4 cm, sparsely glandular pubescent; bracts subulate, 1–3 × 0.5–1 mm. Calyx 2.7–3.7 mm; tube ca. 0.7 mm; segments ovate-oblong, 2–3 × 1–1.5 mm, outside sparsely puberulent to glabrous. Corolla purple-red, throat spotted adaxially, adaxial lobes yellow with purple spots, 0.7–1.3 cm; tube ca. 3 mm; limb distinctly 2-lipped; adaxial lip 3.5–4.5 mm, lobes ovate, 2–2.5 × 2–3 mm; abaxial lip 5–8 mm, lobes ovate, 3–5.5 × 3–3.5 mm. Filaments 1–2 mm; staminode ca. 0.25 mm. Pistil exserted, glabrous; ca. 3 mm. Style 6.5–10 mm. Capsule partially enclosed in persistent calyx, 5–7 mm.

Shady and damp rocks in valleys or dry cliffs; 2300–3200 m. S Xizang (Nyalam Xian) [Bhutan, N India, Nepal].

