

118. POLYSTACHYA Hooker, Exot. Fl. 2: ad t. 103. 1824, nom. cons.

多穗兰属 duo sui lan shu

Chen Xinqi (陈心启 Chen Sing-chi); Jeffrey J. Wood

Dendrorhiza Thouars.

Herbs, epiphytic or lithophytic. Stem erect, often pseudobulbous or fusiform, simple or superposed, with 1 to several leaves. Leaves conduplicate, often narrowly oblong or oblong, sheathing and articulate at base. Inflorescences terminal, racemose or paniculate, few to many flowered; peduncle often enclosed in scarious sheaths. Flowers not resupinate, small or sometimes medium-sized. Sepals connivent or spreading; dorsal sepal free; lateral sepals adnate to column foot forming a mentum. Petals smaller, usually linear; lip superior, entire or 3-lobed, base articulate with column foot, spurless; disk often farinaceous (pseudopollen). Column short, with conspicuous column foot; pollinia 4 (unequal in size, in 2 pairs) or 2 (each deeply cleft), waxy, with a small stipe and a viscidium.

About 200 species: centered in Africa, some species in tropical America, and one pantropical species widespread in Asia from Sri Lanka and India eastward to Sulawesi and the Philippines, including China.

1. *Polystachya concreta* (Jacquin) Garay & H. R. Sweet, *Orquideologia* 9(3): 206. 1974.

多穗兰 duo sui lan

Epidendrum concretum Jacquin, Enum. Syst. Pl. 30. 1760; *Dendrorhiza purpurea* (Wight) Kuntze; *Onychium flavescens* Blume; *Polystachya flavescens* (Blume) J. J. Smith; *P. pleistantha* Kraenzlin; *P. purpurea* Wight; *P. purpurea* var. *lutescens* Gagnepain.

Plants 10–29 cm tall. Pseudobulbs usually slightly compressed, ovoid to conic, 1–2 × 0.5–1.5 cm, with 2 or 3 nodes. Leaves 3–5, narrowly oblong or narrowly ovate-lanceolate, 7–18 × 1.2–3.4 cm, base narrowed into a petiole and then decurrent into a sheath, apex obtuse or unequally shallowly 2-lobed. Inflorescence terminal, 3–10 cm, usually 1–4-branched; rachis ± narrowly winged, racemose, branches 1–2 cm, 3–8-flowered; floral bracts narrowly lanceolate to nearly subulate, 2–5 mm. Flowers pale yellow, small; pedicel and ovary 8–12 mm. Dorsal sepal subovate, 3.5–4 × 1.5–2 mm, obtuse; lateral sepals broadly ovate-triangular, ca. 4 mm wide at base. Petals linear-oblongate or subcuneate, 2.5–3 × ca. 0.5 mm; lip 3.5–4 mm,

base contracted into a short claw, 3-lobed; lateral lobes incurved, ovate-oblong to narrowly oblong, small; mid-lobe orbicular, margin undulate and irregularly erose, apex emarginate, with a thickened central part. Column ca. 1 mm, foot short. Capsule ellipsoid, 1.2–1.4 cm × 5–6 mm. Fl. and fr. Aug–Sep.

Epiphytic on trees in dense forests or thickets; 600–1500 m. S Yunnan [Cambodia, India (including Nicobar Islands), Indonesia, Laos, Malaysia, Philippines, Sri Lanka, Thailand, Vietnam; Africa, subtropical and tropical America].

