

**8. PHACELLANTHUS** Siebold & Zuccarini, Abh. Math.-Phys. Cl. Königl. Bayer. Acad. Wiss. 4(3): 141. 1846.

黄筒花属 huang tong hua shu

*Tienmuia* Hu.

Herbs fleshy. Stems short, cylindric. Leaves spirally arranged. Inflorescences subcapitate; bract 1, navicular-ovate, ca. 1/2 as long as corolla; bractlets absent. Flowers subsessile. Calyx absent. Corolla tubular-bilabiate; tube suberect, not enlarged; upper lip emarginate or 2-lobed; lower lip 3-lobed, much shorter than upper. Stamens (3 or)4(or 5), included; anthers 2-celled, all fertile, connective slightly elongated. Carpels 3; ovary 1-locular; parietal placentas (4–)6(or 10). Style long; stigma 2-lobed. Capsule ovoid. Seeds minute; testa reticulate.

One species: China, Japan, Korea, Russia (Far East).

**1. *Phacellanthus tubiflorus*** Siebold & Zuccarini, Abh. Math.-Phys. Cl. Königl. Bayer. Acad. Wiss. 4(3): 141. 1846.

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*Phacellanthus continentalis* Komarov; *Tienmuia triandra* Hu.

Plants 5–11 cm tall, glabrescent. Stems erect, solitary or clustered, unbranched. Leaves ovate-triangular or narrowly so, 5–8(–10) × 3–4 mm, margin slightly membranous, apex acute. Bract 1.5–2.3 cm × 5–8 mm, apex acuminate or subobtusate. Corolla white or pale yellow, 2.5–3.5 cm; tube 2.5–3 cm; lobes subequal, oblong, ca. 3 × 2 mm. Filaments 1.2–1.4 cm, sparsely pubescent on lower part; anthers ca. 1.8 mm. Ovary ellipsoid-globose. Style 1.3–1.6 cm, glabrous. Capsule 1–1.4 cm × 5–8 mm. Seeds ovoid, 0.3–0.4 × ca. 0.2 mm; testa reticulate. Fl. May–Jul, fr. Jul–Aug.

Slopes, forests; 800–1400 m. Gansu, Hubei, Hunan, Jilin, Shaanxi, Zhejiang [Japan, Korea, Russia (Far East)].

Parasitic on species of *Fraxinus* Linnaeus.

An examination of the type of *Tienmuia triandra* reveals that it is indistinguishable from *Phacellanthus tubiflorus*. The bracts were mistaken for sepals in the original description of the former.

