



Buddleja jinsixiaensis (Scrophulariaceae), a new species from Shaanxi, China

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Buddleja Linnaeus (1753: 112) is a medium-sized genus within Scrophulariaceae comprising about 100 species, distributed in tropics and subtropics of America, Africa, and Asia, with 21 species and 5 hybrids known to occur in China (Li & Leeuwenberg 1996, Liu & Peng 2004, 2006).

During a field trip to Jinsixia Grand Canyon, Shangnan County, Shannxi Province, China, in May 11–15, 2013, we found a new *Buddleja* which was morphologically different from any other. We collected specimens again (May 27–28 and June 27–29) and undertook a morphological study. After literature survey (Marquand 1930, Li 1982, 1992, Bao 1983, Northwest Institute of Botany 1983, Li & Leeuwenberg 1996, Liu & Peng 2004, 2006) and examination of many specimens (PE!, WUK!), we concluded that these plants represent a new species.

Buddleja jinsixiaensis R.B.Zhu, *sp. nov.* (Figs. 1–2)

Similar to *B. delavayi*, but leaf blade base rounded to obtuse, inflorescences terminal, corolla tube with long hairs inside and stamens inserted slightly below the middle of corolla tube.

Type:—China. Shannxi Province: Shangnan County, Jinsixia Grand Canyon, Rocky slope in valley, 33°20'24"N, 110°33'5"E, 1253 m, 27 May 2013, *R. B. Zhu 0146* (holotype WUK!, isotypes WUK!).

Shrub 1–1.5 m high. Bark of old branches gray, coming off in strips; young twigs subterete, stellate-tomentose, soon glabrescent. Stipules reduced to a transverse line. Leaves opposite; petiole 2–6 mm; leaf blade papery, ovate to very narrowly elliptic, 6–12 × 2–4 cm, both surfaces green and glabrous; base rounded to obtuse, apex acuminate, margin serrate; lateral veins 6–16 per side, depressed on upper surface, conspicuous on lower surface; young leaves stellate-tomentose, soon glabrescent. Inflorescences terminal, slightly drooping, paniculate cymes 10–12 × 2–3 cm, rather lax, each cyme bearing 3–11(–17) flowers; peduncle slightly stellate-tomentose; bracts small and linear, 3–6 mm; bracteoles 2, lanceolate, ca. 1 mm. Calyx campanulate, 2–3 mm, glabrous; lobes 4, ca. 0.5 mm, apex rounded. Corolla blue-purple, corolla mouth white; tube 9–11 × 1.5–2 mm, outside glabrous, inside with long hairs except for base; lobes 4, suborbicular, ca. 3 mm, glabrous; stamens inserted slightly below the middle of corolla tube; stamens subsessile; anthers ovate, ca. 1.5 mm; ovary ovoid, ca. 1 mm, stellate-tomentose; style and stigma ca. 1.2 mm; stigma clavate. Capsule ellipsoid, 5–7 × 2–3 mm, stellate-tomentose. Seeds narrowly elliptic, ca. 2 mm, winged all around.

Phenology:—Flowering in May, fruiting in August.

Distribution and habitat:—*Buddleja jinsixiaensis* is known only from Jinsixia Grand Canyon (ca. 1200 m a.s.l.), China. A total of two plants only was observed. One was found in *Quercus* forest and the other one on a rocky slope.

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