

Taxonomic and Chromosome Reports

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A new species of *Hydrocotyle* (Umbelliferae) from western Yunnan, China

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Hydrocotyle peltiformis R. Li & H. Li, sp. nov.

盾叶天胡荽 (S1-2. Fig. 1, S1-3. Fig. 2)

Type: China. Yunnan: Baoshan Prefecture, Longyang, Mangkuang township, Baihualing village, spring pool, east side of Gaoligong Shan, second evergreen broad-leaved forest, growing along trail, 25°18'20.9" N, 98°47'59.7" E, alt. 1600 m, 2007-10-12, H. Li, R. Li & X. C. Shi 1337 (holotype, KUN).

Latin diagnosis: Species *Hydrocotyle hookeri* (C. B. Clarke) Craib affinis, sed folio quadrato, quadrato-rhombico, peltato, petalis recurvis differt.

Morphological description: Perennial herbs. Stem slender, basally thickened, creeping to 1.2 m long, rooting at the nodes, distally erect, laxly branched, glabrous. Petioles slender, attached to the center of the lower surface of leaf blade, 4–12 cm long, glabrous; stipules membranous, ovate; leaf blade peltate, quadrate, or quadrate-rhombic, 2.5–7 × 3–8 cm, papery, abaxially sparsely hispid on veins, shallowly 4–7-lobed, lobes acuminate, finely serrate at margins, veins 4–7, radiate to tip. Inflorescence a simple umbel, peduncles axillary, slender, 5–10 cm long, glabrous; umbels 20–45-flowered, pedicels 3–7 mm long, glabrous; bracts small, ovate-lanceolate. Flowers bisexual; petals 5, white, ovate, ca. 2 × 1 mm, recurved; stamens 5, filaments longer than petals, anthers hemispherical, yellow; stylopodium short conic. Fruits subglobose, cordate at base, flattened laterally, yellow, ca. 1.3–1.8 × 1.5–2 mm, dorsal surface rounded; dorsal and lateral ribs usually conspicuous. Flowering and fruiting from July to October.

Distribution: *Hydrocotyle peltiformis* is known only from two sites (Mangkuang and Zheng'an) in Baoshan Prefecture of Yunnan, China, growing along trail under second evergreen broad-leaved forest at altitude 1500–1700 m and shares its habitat with plants such

as *Setaria palmifolia*, *Dioscorea hemsleyi*, *Youngia japonica*, *Commelinia diffusa*, *Vitis heyneana*, and *Hedychium* sp.

Additional specimens examined:

China. Yunnan: Baoshan Prefecture, Longling County, Zheng'an township, below Hupa village, second forest, growing on moist slope, 24°49'5" N, 98°50'28" E, alt. 1500 m, 2003-08-22, *Gaoligong Shan Biodiversity Survey 17508* (KUN); Baoshan Prefecture, Longyang, Mangkuang township, Baihualing village, second evergreen broad-leaved forest, growing along trail, 25°18'20.9" N, 98°47'59.7" E, alt. 1600 m, 2007-10-12, H. Li, R. Li & X. C. Shi 1335 (KUN); same locality, H. Li, R. Li & X. C. Shi 1343 (KUN); Baoshan Prefecture, Longyang, Mangkuang township, Baihualing village, second evergreen broad-leaved forest, growing along trail, 25°18'10.6" N, 98°47'32.1" E, alt. 1650 m, 2010-10-16, R. Li 387 (KUN); Baoshan Prefecture, Longyang, Mangkuang township, Baihualing village, second evergreen broad-leaved forest, growing along trail, 25°17'56.3" N, 98°48'3.1" E, alt. 1700 m, 2011-07-07, R. Li & Z. L. Dao 546 (PE).

Online supplementary data:

The following supplementary materials are available online for this article at http://onlinelibrary.wiley.com/doi/10.1111/jse.12008_1/supplinfo:

S1-1. Doc. 1. Background and additional discussion.

S1-2. Fig. 1. *Hydrocotyle peltiformis* R. Li & H. Li, sp. nov. (drawn by Rongmei Zhang from the holotype).

S1-3. Fig. 2. *Hydrocotyle peltiformis* R. Li & H. Li, sp. nov. (photographed by Rong Li).

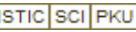
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