

## A new species of *Clematis* (Ranunculaceae) from Thailand

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ABSTRACT. *Clematis thaimontana* Tamura, a new species from Doi Chiang Dao, is described.

In a synoptic account of Thai Ranunculaceae (Tamura 1997) I reported *Clematis wissmanniana* Hand.-Mazz. from Doi Chiang Dao, based on a single specimen (Kerr 6534 (BK, BM, K)). Since then further material has been collected from Doi Chiang Dao. All this material has several characters that distinguish it from Chinese plants of *C. wissmanniana*. Accordingly, I describe it here as a new species.

***Clematis thaimontana*** Tamura, **sp. nov.** *Clematis wissmanniana* Hand.-Mazz. affinis sed sepalis tenuibus, non costatis, tomentellis, nec sericeo-tomentosis, caulibus minute crispo-pilosis nec sericeo-subtomentosis differt. Holotypus: Thailand, Maxwell 95–1081 (holotype CHIAN).

Planta in sicco nigrescens. *Caulis* scandens, 6-porcatus, minute crispo-pilosus. *Folia* remote bijuge-pinnata, 16–20 cm longa, foliolis terminalis vulgo trisectis vel tripartitis, superioribus simplicibus, petiolulatis, inferioribus ternatis vel tripartitis, petiolulatis, segmentis ellipticis vel lanceolatis, lateralibus saepe ad basin asymmetrice bipartitis, 2–7 cm longis, 1–2.5 cm latis, apice acutis vel acuminatis, basi acutis, margine integris vel pauciserratis, herbaceis vel coriaceo-herbaceis, supra praeter venas fere glabris, subtus praesertim ad venas pubescentibus, sessilibus vel petiolulatis, petiolulis ad 2.2 cm longis, petiolis 4.5–7 cm longis. *Inflorescentiae* axillares, trichotomis, 9–13-floriferis, bracteis ellipticis ad 3.5 mm longis, pedicellis ca. 4.5 cm longis, bi-bracteolatis, crispo pubescentibus vel subvillosis. *Flores* planatis, 2.5–3.5 cm diam. in sicco praeter antheras luteas nigrescens. *Sepala* 4, alba, elliptico-oblonga, apice obtusa, 14–18 mm longa, 2.5–5 mm lata, supra toto tomentella cum pilis fuscescentibus, incurvis vel ascendentibus, praesertim ad marginem densiora, subtus glabrata. *Anthera* lutea, elliptica, laterales, 0.8–1 mm longa, connectivis non projectis, filamentis filiformibus, 7–10 mm longis, glabris, apice plus minusve crassis. *Carpella* albo hispidata. *Achenia* in sicco nigrescens, late ovata, 4–5 mm longa, ca. 2.5 mm lata, compressa, sessilia, haud marginata, hispidata cum pilis longis, ascendentibus vel patentibus, ad marginem densiora, apice caudata, caudis 3–4.5 cm longis, hispidis cum pilis ascendentibus ca. 2 mm longis, ad basem brevioribus.

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Plants drying blackish. *Stems* scandent, 6-ridged, minutely crisped-haired. *Leaves* remotely 2-paired-pinnate, 16–20 cm long; terminal leaflet usually divided completely into 3 segments or tripartite; upper lateral leaflets simple, petiolulate, lower ones ternate or tripartate, petiolulate, segments elliptic or lanceolate, lateral segments often asymmetrically bipartite to the base, 2–7 by 1–2.5 cm, acute to acuminate at apex, acute at base, margins entire or serrate with few teeth, herbaceous or coriaceous-herbaceous, upper surface nearly glabrous except veins, lower surface pubescent especially on veins, sessile or petiolulate, the petiolule up to 2.2 cm long; petiole 4.5–7 cm long. *Inflorescence* axillary, 3-branched, 9–13-flowered; bracts elliptic, up to 3.5 mm long; pedicels ca. 4.5 mm long, 2-bracteolate, crisped-pubescent or slightly villose. *Flowers* flat, 2.5–3.5 cm diam., drying blackish except yellow anthers. *Sepals* 4, white, elliptic-oblong, obtuse, 14–18 by 2.5–5 mm, upper surface entirely tomentellous with dark brown hairs, these incurved or upwardly adpressed, denser at margins; lower surface glabrous. *Anther* yellow, elliptic, lateral, 0.8–1 mm long, connective not projecting, filaments thread-like, 7–10 mm long, glabrous, more or less thickened at apex. *Carpels* white-hairy. *Achenes* drying blackish, broadly ovate, 4–5 by ca. 2.5 mm, compressed, sessile, scarcely-margined, hispid with long, upwardly adpressed or patent hairs, denser at margin; apex caudate with tail 3–4.5 cm long, hispid with upwardly adpressed hairs ca. 2 mm long, shorter towards base.

**T h a i l a n d.**—NORTHERN: Chiang Mai [Doi Chiang Dao Wildlife Sanctuary, Doi Luang Valley, 5 Nov. 1995, fl., *Maxwell* 95-1081 (holotype CHIAN); Doi Chiang Dao Wildlife Sanctuary, valley below Doi Luang, 29 Jan. 1996, fr., *Maxwell* 19-126 (BKF, CHIAN); Doi Chiang Dao, 3 Nov. 1942, fl., *Kerr* 6534 (BK, BM, K)].

**D i s t r i b u t i o n.**—Endemic to Thailand.

**E c o l o g y.**—Climbing in open, disturbed, fire-damaged evergreen or mixed forest on limestone area, 1400–1600 m. Flowering October–November; fruiting January–February.

**N o t e.**—*Clematis thaimontana* is distinguished from *C. wissmanniana* by sepals that are thinner, flat, tomentellose outside and not tricostate.

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### REFERENCE

Tamura, M. 1997. Synoptic Flora of the Ranunculaceae in Thailand. Thai Forest Bulletin (Botany) 25: 63–80.