

A NEW RECORD OF *DUNBARIA VILLOSA* (THUNB.) MAKINO (LEGUMINOSAE) FOR TAIWAN

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ABSTRACT: *Dunbaria villosa* (Thunb.) Makino (Leguminosae) is first recorded in Taiwan. A key to the species of *Dunbaria* in Taiwan is given in the present paper.

KEYWORDS: *Dunbaria villosa*, new record, key, Taiwan.

From published literature resources on the Leguminosae of Taiwan, only two species, *i. e.*, *D. rotundifolia* and *D. merrillii*, have been recorded for Taiwan. Recently, when the present author examined specimens preserved in the Herbarium (PE), Institute of Botany, Chinese Academy of Sciences, for study of *Dunbaria* Wight & Arn. in Asia, *D. villosa* (Thunb.) Makino, the third species of this genus in Taiwan has been found. This species is quite different from other two Taiwanese *Dunbaria* by the following key:

Key to the species of *Dunbaria* in Taiwan

1. Flowers 7-10 mm long, usually solitary; pod glabrescent except for ciliate margins
..... *D. rotundifolia* (Lour.) Mett.
1. Flowers 15-20 mm long, many, in pseudoraceme; pod densely pubescent or villose.
 2. Terminal leaflet rhomoid-ovate, 4-7 X 4-7 cm, acuminate or short acuminate at apex; pseudoracemes ca. 12 cm long; ovary and pod sessile *D. merrillii* Elmer
 2. Terminal leaflet rhomboid, 2.5-3.0 X 2.8-3.3 cm, obtusely acute at apex; pseudoracemes ca. 4 cm long; ovary and pod stipitate within calyx on 2-4 mm stalk
..... *D. villosa* (Thunb.) Makino

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Dunbaria villosa (Thunb.) Makino in Bot. Mag. Tokyo **16**: 35. 1902; Hand.-Mazz. in Beih. Bot. Centralbl. **52B**: 160. 1934; Anonymous, Inst. Bot. Acad. Sin., III. Chin. Import. Pl. Leguminosae. 71. fig. 670. 1955 et Icon. Corm. Sin. **2**: 505, fig. 2740. 1972; H. Z. He in L. G. Ling, Fl. Fujiang **3**: 71. 1987; Y. Y. Fang & L. H. Lou in Z. Wei & Y. Q. He, Fl. Zhejiang **3**: 356, fig. 3 (458). 1993. 毛野扁豆 **Photo 1**

Glycine villosa Thunb. Fl. Jap. 283. 1784. (TYPE from Japan)

Dunbaria subrhombea (Miq.) Miq. et Hemsl. in Journ. Bot. **14**: 207. 1876.

Atylosia subrhombea Miq. Ann. Mus. Bot. Lugd.-Bat. **3**: 51. 1867.

A twining herb. Stem 1.5-2.0 mm in diameter, pubescent on the shoots. Terminal leaflet rhomboid, 2.5-3.0 x 2.8-3.3 cm, obtusely acute at apex, broadly cuneate at base, pubescent; petiolule 0.8-2.2 x 1.8-2.3 cm, obtusely acute or obtuse at apex, obliquely broad cuneate at apex, petiolules 1.5-2.0 mm long; petiole 2.0-2.5 cm long. Pseudoracemes often 1-branched in the lower part, 4-6- or more loose flowered, 3.0-4.5 cm long. Flowers yellow, to 1.8 cm long; calyx covered with pubes and villi, the lowermost lobe lanceolate, 6 mm long, the middle lobes triangular, 3.5 mm long, the upper lobes connate nearly the tips, 3.5 mm long; standard suborbicular, 1.8 cm long, auricled; wings suboblong, 1.6 cm long; keel incurved and beaked, 1.8 cm long; ovary shortly stipitate, clothed with pubes and orange dotted glands, with a sheath-like disc around its base; style thinner and glabrous in the middle, hardened and somewhat thickened in the upper part. (Pod unknown in Taiwanese specimen.)

Distribution: Japan, China proper (Anhui, Jiangsu, Zhejiang, Jiangxi, Fujian, N. Guangdong, Hunan, Guizhou and Guangxi), Taiwan, and Vietnam; open situations in thickets at low elevations.

Specimens examined:

Taiwan: Hualien Co., Huangang Hill. Collector unknown, No. 135 (PE Herb. No. 81116).

Notes by Editor: An additional specimen for this species collected by K. Sawada s. n. in April 30, 1909 at Chengkung, Taitung county is also found in TAI-Herbarium.

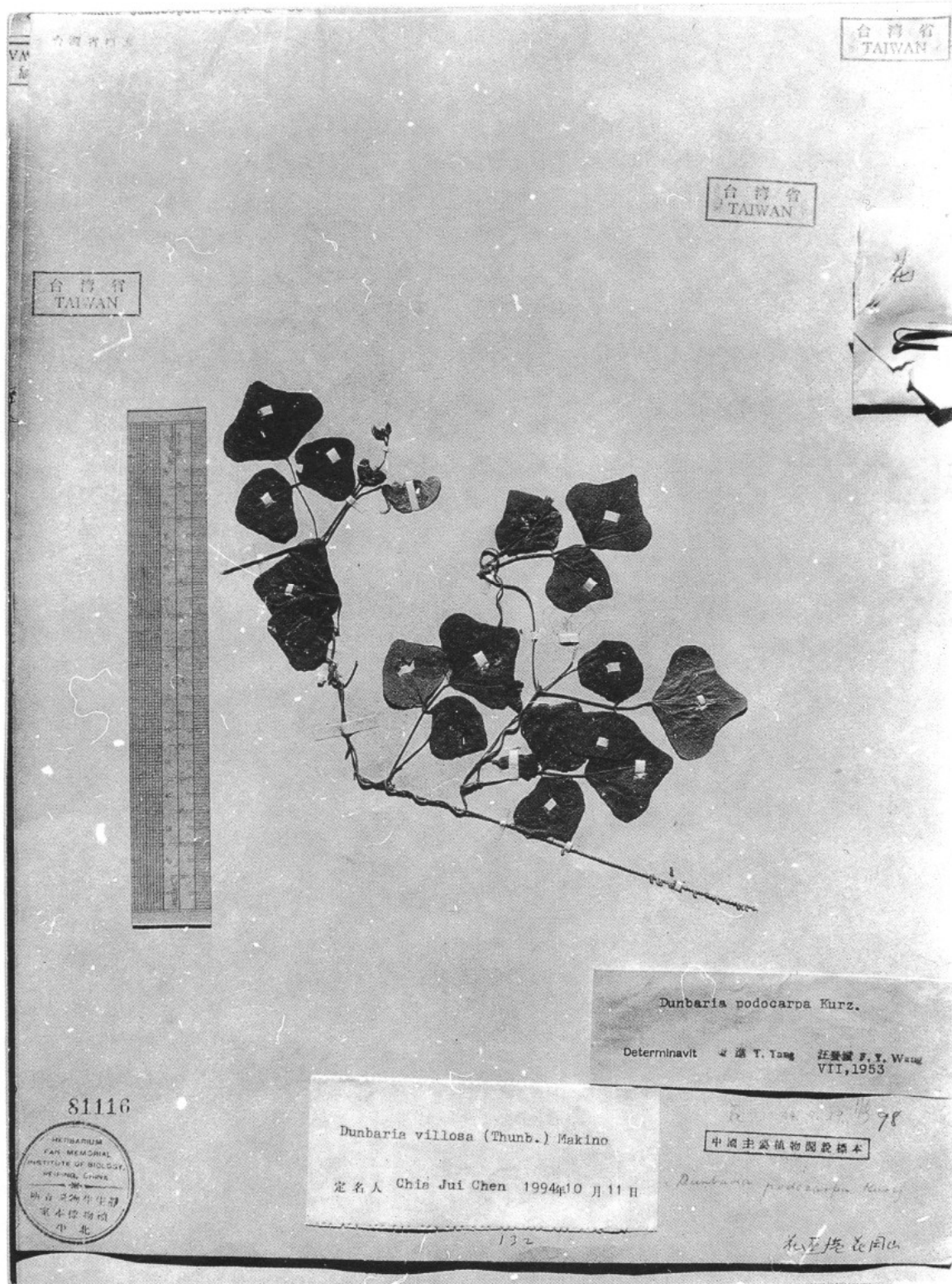


Photo. 1. *Dunbaria villosa* (Thunb.) Makino (LEGUMINOSAE)

台灣野扁豆屬之新記錄--毛野扁豆

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摘 要

毛野扁豆(豆科)台灣首次被記錄。本文還列出了台灣產野扁豆屬之分種檢索表。

關鍵詞：毛野扁豆、新記錄種、檢索表、台灣。

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