

CONTRIBUTIONS TO THE DICOTYLEDONOUS PLANTS OF TAIWAN (4)

Fu-yuan Lu *

[Abstract] Described as new taxa to Taiwan are five new species and two species of new records. Besides, the existence of two noteworthy and controversial species has been confirmed. And, new distribution-area of two noteworthy species has also been cited.

台灣雙子葉植物新見 (四)

呂 福 原 *

本文為著者研究台灣雙子葉植物成果報告之一，記述有五新種及二新記錄種。此外對二種爭議中未定之雙子葉植物，亦予以確認；並由新採集標本之引證中，發現二種植物之新分佈地區，亦一併予以記述。文中乃以傳統分類法將此等植物予以分類與鑑定；並依國際植物命名法規之規定，對諸新種予以命名及拉丁文與英文之記述，同時指定模式標本予以存證；對新記錄及新分佈種，亦分別予以詳細之記載及引證標本。彼等之學名及中名如次：

† 新種：

1. 花蓮芋麻 *Boehmeria hwalienensis* Y. C. Liu et F. Y. Lu (蕁麻科)。
2. 舉綠山芋麻 *Boehmeria pflushanensis* Y. C. Liu et F. Y. Lu (蕁麻科)。
3. 阿里山黃鱗藤 *Berchemia arisanensis* Y. C. Liu et F. Y. Lu (鼠李科)。
4. 臺灣毛茛 *Ranunculus taiwanensis* Y. C. Liu et F. Y. Lu (毛茛科)。
5. 紫花野木瓜 *Stautonia purpurea* Y. C. Liu et F. Y. Lu (木通科)。

‡ 新記錄種：

*Professor & Head, Department of Forestry, Taiwan Provincial Chiayi Institute of Agriculture.

been densely hispid at the apex and nearly glabrate at the base.

Boehmeria pilushanensis Y.C. Liu et F.Y. Lu, *sp. nov.* (Sect. *Longispicae* Satake)

Photo. 5

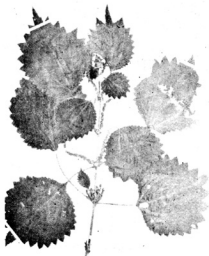


Photo. 5:

Boehmeria pilushanensis Y. C.
Liu et F. Y. Lu

Planta suffruticosa, Caulis erectus simplex vel pauci-ramosus usque 80-150 cm. altus. Caulis superne tetragono-teres dense flavo-fusco-hirsutus. Folia opposita, laminae ovatae vel ovato-rotundatae, usque 6-12 cm. longae, 5-10 cm. latae, marginae dentato-serratae, serris superiore interdum duplicato-serratis, serris superiore 8-15 mm. longis, 6-15 mm. latis, inferiore minoribus, apice subprofunde duplicato-serratae, basi subrotundae vel cuneatae, supra dense hispidae cystolithis distinctis minutissime globosis, subtus pubescentes praesertim ad nervos dense hirsutae; petioli 3-8 cm. longi dense hirsuti, stipulae lanceolatae acuminatae, ca. 8 mm. longae, 2.5 mm. latae, pilosae. Spicae femineae axillares, erectae, omnino simplices, columnaribus, foliis breviores usque 4-7 cm. longis, 3-5 mm. latis, cum floribus subconferte glomeratis. Perigonia fructifera immatura oblongo-ellipsoidea, ca. 1 mm. longa, apice dense hispidula basi cuneatae, sparse pubescentia. Flores masculi ignoti.

Hab.: Pilushan, Taichung Hsien

Leg.: F.Y. Lu et C.H. Ou 3552, Aug. 2, 1975 (Holotypus, in NCUF)

An erect shrub, stem simple or rarely with few branches, 8-150 cm.

high; branchlets terete or slightly tetragonal, densely yellowish brown-hirsute. Leaves opposite, ovate or ovate-orbicular, leaf-blades 6-12 cm. long, 5-10 cm. broad, more or less deeply duplicate-serrate at the apex, cuneate or subrounded at the base, densely hispid above and pubescent and hirsute along the veins beneath, the margin dentate-serrate or with some of the teeth duplicate-serrate; petioles 3-8 cm. long, densely hirsute; stipules lanceolate, acuminate, about 8 mm. long, 2.5 mm. wide, pilose. Pistillate flowers densely clustered in axillary erect unbranched spike shorter than the leaves, spike columnar, 4-7 cm. long, 3-5 mm. across. Achenes with perigones densely hispid at the apex and sparsely puberulous at the base. Staminate flowers not seen.

Endemic, at altitudes from 1,800-2,600 m in the central part of Taiwan. Specimens examined:

Taichung Hsien: F.Y. Lu et C.H. Ou 3522 (Holotype in NCUF, Isotype in TPCA).

Nantou Hsien: S. Sasaki, 127725(TAI. in Nov. 1919)

Note: The present new species much resembles *Boehmeria taiwaniana* Satake, but differs from it in having thick columnar unbranched pistillate spike shorter than the leaves and larger and somewhat thicker, orbicular ovate leaves with more regularly dentate-serrate margin.

Celastraceae

Microtropis japonica (Fr. et Sav.) Hall. f., Meded. Rijk. Herb. 1910: 33, 1911; Nakai in Journ. Jap. Bot. 17:376, 1941; T.S. Liu, Illust. Nat. Introd. Lig. Pl. Taiwan. II:802, f. 653, 1962; Li, Woody Fl. Taiwan, 474, 1963, Fl. Taiwan III:631, 1977.

Elaeodendron japonicum Fr. et Sav., Enum. Pl. Jap. 2:315, 1879.

Cassine kotoensis Hay., Icon. Pl. Formos. 3:61, 1913.

Microtropis kotoensis (Hay.) Koidz. in Bot. Mag. Tokyo 40:34, 1926; Kanehira, Formos. Tr. rev. ed. 395, 1936. Photo. 6

A small tree, glabrous throughout. Leaves coriaceous, ovate, obovate, scarcely rhombic, 6-10 cm. long, 2-5 cm. broad, obtuse to submarginate at the apex, entire; petioles 3-5 mm. long, glabrous. Cymes dichotomous, axillary, 2-10 mm. long, peduncles very short. Capsules ellipsoid or oblong, erect, septically dehiscent into 2-valves, the valves 1.5-2.5 cm. long.

Japan and Ryukyus. Taiwan, formerly known only from Island Lanyu (Botel Tabago), and recently found at medium altitudes on Hengchen Peninsula.