

# A NEW SPECIES OF *ARDISIA* IN TAIWAN

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【Abstract】A new species of *Ardisia* is described in this paper. It is *Ardisia miaoliensis* Lü, characterized by the purplish lower surface of the leaves.

## 紀台灣紫金牛屬一新種

呂勝由

【提要】苗栗紫金牛為筆者於 64 年 7 月 12 日在苗栗縣大湖鄉楊梅山（加里山北支）採集時所發現。同時有研究台灣蘭科植物的林讚標、菊科植物的彭鏡毅、瓜科植物的劉和義三位先生同行。筆者除採得豐富的花果腊葉標本外，同時也播回苗木數株，栽植於林業試驗所育林系溫室中做長期的觀察（Fig 1）。此種新植物生長於闊葉樹林中，大約高海拔 1,400 公尺的稜線上，其葉背從幼芽開始即呈鮮紫色，特徵顯著而固定。

← (Fig 1) *Ardisia miaoliensis* Lü, cultivated in TFRI (林業試驗所)。



***Ardisia miaoliensis* Lü, sp. nov.** (Fig 1, Fig 2, 苗栗紫金牛)。

Frutex, ramuli glabri. Folia subchartacea, subtus purpurea, oblanceolata vel elliptico-lanceolata 13-18 cm longa, 3-4 cm lata, apice acuta, basi cuneata, margine subintegra, bene glandulosa. costae utrinque elevatae, venis

lateralibus supra haud impressis, subtus tenuiter elevatis, petiolis 12-22 mm longis. Inflorescentiae in ramulos speciales, instructae folia 4-10, simpliciter vel compositim umbellatae, sepala basi plus minusve coalita, 1.5 mm longa 1.1 mm lata, petala basi coalita 6 mm longa 3.5 mm lata, sicut sepala punctata, stamina 5 mm longa, antheris dorso punctatis.

Fructus globosus 1 cm in diametro.

Mt. Yang-mei, Miaoli, cir. 1,400 m alt. leg. S. Y. Lü, 4634 (Holotypus, TAIF), Julius. 12, 1975.

This species is closely related to *A. crenata* Sims, but can be readily distinguished by the purplish and the lack of raised - punctate glands under surfaces of the fresh leaves. Also near *A. bicolor* Walker (Type in the herbarium of the Arnold Arboretum), but differs from it by the lack of raised-punctate glands and the leaves purplish beneath when young.

A shrub 40-80 cm high, glabrous throughout stem unbranched except for special flowering branches. Leaves subchartaceous, oblanceolate or elliptic-lanceolate, cuneate at base, acute at apex, 13-18 cm long, 3-4 cm broad, margins subentire, with numerous glands, light green above, purplish beneath, midribs elevated on both side, petioles 12-22 mm long.

Inflorescence simple or compound umbellate, terminal on special lateral flowering branches about 15 cm long, bearing 4-10 leaves; flowers pinkish, sepals triangular-ovate, 1.5 mm long, 1.1 mm wide, sparsely punctate; petals ovate, 6 mm long, 3.5 mm wide, sparsely punctate; stamens 5 mm long; filaments very short; anthers distinctly punctate on back. Fruit reddish, 1 cm in diameter.

Endemic, on the ridges of mountain, about 1,400 m alt., rather rare.

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Fig 2. *Ardisia miaoliensis* Lü (苗栗紫金牛)

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|------------|------------|----------|
| 1 Plant    | 2 Gland    | 3 Sepal  |
| 4 Petal    | 5 Parasite | 6 Stamen |
| 7 Placenta | 8 Fruit    | 9 Pistil |