

Additional Remarks of Ranunculaceae in Taiwan (5) — The genus *Clematis* L.

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ABSTRACT: This is a taxonomic study of *Clematis* L. (Ranunculaceae) in Taiwan. Twenty taxa, including thirteen species, two subspecies and five varieties are described: one new species, *i.e.*, *C. tamurae* T. Y. A. Yang et T. C. Huang and one new combination, *C. parviloba* Gard. ex Champ. subsp. *bartlettii* (Yamam.) T. Y. A. Yang et T.C. Huang, are proposed. A key, description and distribution maps for each taxon are given.

KEY WORDS: *Clematis* L., Ranunculaceae, Taxonomy, Taiwan.

INTRODUCTION

The genus *Clematis* L. is one of the largest genera in the family Ranunculaceae. Opinions about the total number of species vary 230 species (Mabberley, 1987), 250 species (Jury, 1978) or 300 species (Tamura, 1967, 1987). It is widely distributed, ranging from the tropical regions to frigid zones and from sea level to high altitude (Tamura, 1967; Chang *et al.*, 1980).

Forbes and Hemsley (1886) first recorded 3 species of *Clematis* in the Taiwanese flora, then Henry (1896) reported 7 species. Over the following five decades, Taiwanese *Clematis* were studied by Japanese taxonomists until Huang (1960) who is the first Chinese taxonomist, revised this genus. The chronological study of Taiwanese *Clematis* by selected representative authors is shown in the Table 1. There are 20 taxa including 9 endemic taxa represented in Taiwan.

In the present work, one new species, *C. tamurae* T. Y. A. Yang et T. C. Huang, and one new combination, *C. parviloba* Gard. ex Champ. subsp. *bartlettii* (Yamam.) T. Y. A. Yang et T. C. Huang, for Taiwan are reported. Distribution maps of *Clematis* on Taiwan with descriptions and a key to the treated taxa are given.

Key to the taxa of *Clematis* in Taiwan

1. Erect shrubs
 2. Leaflets large, more than 70 mm long; flowers pink 13. *C. psilandra*
 2. Leaflets small, less than 35 mm long; flowers purple or blue 17. *C. tsugetorum*

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