

Research paper

## *Oenanthe thomsonii* C. B. Clarke (Umbelliferae) a Newly Recorded Plant in Taiwan

Shih-Wen Chung<sup>1</sup> Tian-Chuan Hsu<sup>2,\*</sup>

**【Abstract】** *Oenanthe* (Umbelliferae), comprising about 25-30 species in Africa, Asia, Europe, North America. Two species were recorded in the 2<sup>nd</sup> edition of Flora of Taiwan. In the course of our botanical inventory, *Oenanthe thomsonii* C. B. Clarke, heretofore unknown in Taiwan, was collected from northern part of the island. *O. thomsonii* C. B. Clarke is easily distinguished from other congeners by leaves 3-4(-5) pinnate and ultimate segments short linear, 2-3 × 1-2 mm. In this report we provide a description and colored photographs taken from the wild to aid identification.

**【Key words】** New record, Umbelliferae, Taiwan, Taxonomy, *Oenanthe*, *Oenanthe thomsonii*

研究報告

## 台灣的繖形科新記錄—多裂葉水芹菜

鐘詩文<sup>1</sup> 許天銓<sup>2,\*</sup>

**【摘要】** 水芹菜屬為繖形科的一屬，全部約有25-30種主要分佈於非洲、亞洲、歐洲及北美洲，台灣植物誌紀錄有2種，本報告提出在台灣北部植物調查發現之另一新紀錄植物—多裂葉水芹菜；該植物的葉3-4回羽狀分裂，稀為5回羽狀分裂，末回裂片線形，長2-3公釐，寬1-2公釐，可明顯與台灣產本屬其他物種區別。本文提供該種的形態描述與彩色圖片。

**【關鍵詞】** 新紀錄、繖形科、台灣、分類、水芹菜屬、多裂葉水芹菜

---

1. 10066台北市南海路53號

Botanic Garden Division, Taiwan Forest Research Institute, No. 53, Nanhai Rd., Taipei 10066, Taiwan

Tel: +886-2-23039978 ext.2705. Fax: +886-2-23076220.

\* 通訊作者，國立清華大學，30013新竹市光復路二段101號

Institute of Molecular & Cellular Biology, National Tsing Hua University, No. 101, Section 2, Kuang-Fu Rd., Hsinchu 30013, Taiwan

email: lecanorchis@gmail.com

## INTRODUCTION

The genus *Oenanthe* (Umbelliferae) comprises about 25-30 species native in Africa, Asia, Europe and North America (Pu and Watson, 2005). *O. javanica* (Blume) DC. and *O. pterocaulon* Liu, Chao & Chuang were the two species recorded in Taiwan previously (Kao, 1993; Pu and Watson, 2005). During our recent field survey, another *Oenanthe* species *Oenanthe thomsonii* C. B. Clarke were found in northern Taiwan. Its wild populations were often found in marshy grasslands and stream sides at altitudes of 1200-1500 m. Herein, description and colored photographs of *Oenanthe thomsonii* C. B. Clarke is presented. A key to the *Oenanthe* species in Taiwan is also given here in aid for identification.

### Key to *Oenanthe* species in Taiwan

1. Leaves 3-4(-5) pinnate, ultimate segments short linear, minute, 2-3×1-2 mm.....*O. thomsonii*
1. Leaves 1-2 (-3) pinnate, ultimate segments ovate or rhombic-ovate, 5-50×5-20 mm
  2. Stems obtuse-angled; peduncles 3-10 cm long .....*O. javanica*
  2. Stems with 5-6 sharp-rigged angles; peduncles 7-18 cm long.....*O. pterocaulon*

## TAXONOMIC TREATMENT

*Oenanthe thomsonii* C. B. Clarke in J. D. Hooker, Fl. Brit. India. 2: 697. 1879.

多裂葉水芹菜 Fig. 1.

A perennial, glabrous 20-45 cm high, decumbent, ascending herb. Stems slender, branched. Leaves petiolate, 2-6 cm long, petioles

sheathing. Leaves 3-4(-5)-pinnate; triangular in outline, 6-17 cm long, 2.5-6 cm broad, primary pinnae 5-8 pairs; ultimate segments short linear, 2-3mm long, 1-2 mm broad. Umbels 3-8 cm across, frequently leaf-opposed; peduncles elongate, 2.5-10 cm; bracts absent; rays 4-8, 1-1.5 cm long, unequal; bracteoles several, linear, 1.5-2.5 mm; umbellules 10-15-flowered; pedicels 2-4 mm, unequal; petals white, obovate with narrower inflexed apex, about 1 mm long, 0.6 mm broad. Styles ca. 1 mm, reflexed. Fruit subglobose, ca. 2 mm long.

**Type:** INDIA, Khasia, *J. D. Hooker & T. Thomson 583* (lectotype: K000681305!; possible isolectotype: K000681306!).

**Distribution:** Bhutan, India, S. China, Myanmar, Nepal, Sikkim, Taiwan and Vietnam.

**Habitat and phenology:** Marshy grasslands and stream sides, 1200-1500 m. Flowering from June to August; fruiting from July to October.

**IUCN Category:** NT.

**Voucher specimens:** New Taipei: Lumen Stream, *T. C. Hsu 6729* (TAIF); Songlo Lake, *T. C. Hsu 6742* (TAIF); Podang Pond, *T. C. Hsu 6747* (TAIF); Chuantoumu Pond, *T. C. Hsu 6754* (TAIF).

## LITERATURE CITED

- Kao, M. T. (1993) **Umbelliferae**. Flora of Taiwan. Editorial Committee of the Flora of Taiwan, Second Edition, Taipei. 3: 1330-1032.
- Pu, F. T. and M. F. Watson. (2005) *Oenanthe*. Flora of China. 14:130-132. Science Press, Beijing, China.



Fig. 1. *Oenanthe thomsonii* C. B. Clarke. A: Habitat and habits. B: Leaf. C: Ultimiated segments. D: Flowering branches. E: Fruiting branches.

