

行政院國家科學委員會專題研究計畫 成果報告

台灣枯枝敗葉上絲孢綱真菌分類學之研究

計畫類別：個別型計畫

計畫編號：NSC93-2621-B-041-001-

執行期間：93 年 08 月 01 日至 94 年 07 月 31 日

執行單位：嘉南藥理科技大學醫務管理系

計畫主持人：陳金亮

報告類型：精簡報告

處理方式：本計畫涉及專利或其他智慧財產權，1 年後可公開查詢

中 華 民 國 94 年 12 月 23 日

行政院國家科學委員會專題研究計畫成果報告

臺灣枯枝敗葉上絲孢綱真菌分類學之研究

Taxonomic study on Hyphomycetes from litter of Taiwan

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一、中文摘要

維期一年的台灣枯枝敗葉上絲孢綱真菌分類學的研究，共有三十六種絲孢綱真菌被鑑定，其中包括三十種為台灣已知種，六種為台灣新記錄種。

關鍵詞：絲孢綱真菌、臺灣、分類學

Abstract:

A taxonomic study on Hyphomycetes from litters of Taiwan was conducted from August, 2004 to July, 2005. Thirty six mitosporic fungi were identified to genus and where possible species level. They including 6 new record species and 30 record species.

Key words: *Hyphomycetes*, *Taiwan*,
taxonomy

二、Introduction

Hyphomycetes (mitosporic fungi) are a group of fungi that lack sexual state in their life cycle. They are extensive to distribute in each ecosystem. According to the Ainsworth & Bisby's Dictionary of the fungi attend to current the hyphomycetes of the whole world, about 1,700 genus, 11,000 species are recorded (Hawksworth, *et al.* 1995). These

fungi are of great interest, because informations of these fungi can provide knowledge of mycoflora in Taiwan, their potential ability to cause plant and animal disease, and their potential to produce novel compounds. Because of Taiwan with superior geography position, the weather of the island full year is pleasant as well as copious rain.

However, the number and category of these mitosporic fungi are not only numerous, but also biodiversity. The mitosporic fungi of Taiwan have been poorly studied both ecologically and taxonomically. Although totally approximately 900 taxa of hyphomycetes have already been described from Taiwan (It is about share the world to have known species one-tenth weak) by Chen (1992), Chang (1989a,b, 1990, 1991), Hsieh (1987), Hsieh & Goh (1990), Huang *et al.* (1992), Liu (1987), Matsushima (1980, 1981, 1983, 1985, 1987), Sawada (1919, 1922, 1928, 1931, 1933, 1942, 1943a, 1944, 1959), Sivanesan & Hsieh (1990), Sun & Han (1971) and Tzean & Chen (1989a,b,c, 1990, 1991, 1992a,b, 1993, 1994), the mitosporic fungi of Taiwan are still largely unknown and undiscovered. Therefore, these are