• 系統編號	RN9408-0566
• 計畫中文名稱	臺灣海域具抗癌活性之海洋藻類、珊瑚及海綿採集與鑑定研究
• 計畫英文名稱	The Study on the Collection and Identification of Anticancer Marine Algae, Corals and Sponges in Taiwan Waters
• 主管機關	行政院國家科學委員會
• 計畫編號	NSC92-2323-B038-002
• 執行機構	臺北醫學大學藥學系(所)
• 本期期間	9208 ~ 9307
• 報告頁數	5 頁
• 使用語言	中文
• 研究人員	盧重光; 張睿昇 Lu, Chung-Kuang; Chang, Jui-Sheng
• 中文關鍵字	海洋藻類; 軟珊瑚; 海綿; 採集; 海扇
• 英文關鍵字	Marine algae; Soft Coral; Sponge; Collection; Sea fan
• 中文摘要	本計畫對台灣海域之海洋藻類、珊瑚及海綿等生物種類進行採樣，並單離培養海洋微細藻類，提供本國家型計畫下海洋天然物各子計畫的研究材料，採集 33 個海綿、50 個軟珊瑚、20 個海扇及 56 個大型海藻，並成功單離出 Prorocentrum, Amphidinium, Coolia 與 Gambierdiscus 等屬之海洋渦鞭毛藻 47 個單離株，共 206 個海洋生物樣本，完成本年度所訂定之計劃目標。野外所採集的樣品以 95% 酒精浸泡或於 0℃冷凍下寄送至各天然物化學實驗室，成功單離的藻株則持續於實驗室培養保種，本計畫主持人同時保留部分標本以進一步確定種類之正確性。並完成整理台灣海域與本整合型計劃相關之海洋生物種類，包括藻類、珊瑚及海綿等，及其天然物化學成分之資料。
• 英文摘要	Under the overall project, Exploration of Natural Sources for New Leads, the purpose of this subproject is to collect or isolate the marine algae, corals and sponges in Taiwan waters to provide materials to marine natural products chemists. Totally, 33 sponges, 50 soft corals, 20 sea fans an 56 seaweeds were collected. Fourty-seven clones of marine dinofalgellates were isolated and cultured as well. After collected, wild samples were put in 95% EtOH or kept in the low temperature situation and sent to chemists as soon as possible. In addition, a preliminary marine natural

resources database of Taiwan waters is built in this subproject. The database is composed of the published data and the research results from marine natural products projects under this National Program.