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• 計畫英文名稱	Comparison of Metabolites of <i>Atrodia Camphorata</i> from Wild Specimens and Solid State Cultivation	
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• 中文關鍵字	樟芝；薄層色層分析；高效液態色層分析	
• 英文關鍵字	<i>Antrodia Camphorata</i> ；TLC；HPLC	
• 中文摘要	<p>本研究以樟芝為題材進行野生樟芝及不同栽培方法樟芝產品之 TLC、HPLC 圖譜及初步 LC/MS 圖譜。當確立栽培樟芝成分含量級組成之 TLC、HPLC、LC/MS、LC/MS/MS 光譜資料，對未來各項產品之內容物比對可鑑定其來源；並可利用做為預測其功效之參考依據。如能確立其生理活性特對於樟芝之產值將有幫助。並預期解決以下課題： 1. 解決野生樟芝盜採，破壞宿主珍貴牛樟宿主問題，減少採集野生樟芝之壓力，對自然保育具有正面之意義。 2. 有系統建立野生樟芝、固態栽培樟芝、液態培養樟芝之 TLC、HPLC、LC/MS、LC/MS/MS 圖譜，做為品質管理之依據。 3. 如固態栽培或液態培養產品在成分及功效上具有取代野生樟芝之性質，則可增加精緻農業之產值。</p>	
• 英文摘要	<p>The present study is aim on the comparison of the metabolites from wild collected fruiting body and the solid state cultivated <i>Antrodia camphorata</i> by means of chromatogram of TLC, HPLC as well as LC/MS and LC/MS/MS. The extracted materials from <i>Antrodia camphorata</i> will be provided for physiological activities of other sub-projects of the study. The results will be used for characterization of the physiological activity and quality control of <i>Antrodia camphorata</i>. I addition, it is importanat to reduce the pressure of collection from the nature hence the fruiting body of <i>Atrodia camphorata</i> are rare and expensive in the market and it is sold as remedy of many unspecified diseases. It is also expected that the fruiting body from solid state fermentation could replace the fruiting body from the nature.</p>	