

參考文獻

1. 魏吉恆、甘偉松、那琦、許喬木、陳忠川、張賢哲：延胡索之研究，中國醫藥學院研究年報，台中 1970; 1:61-97.
2. 那琦：本草學，南天書局，台北 1982; pp.316-318.
3. Kamigauchi M, Iwasa K. *Corydalis* spp. VI: *In vitro* culture and the biotransformation of protoberberines. In: Bajaj, YPS, editor. *Biotechnology in Agriculture and Forestry*, Vol. 26, Springer-Verlag, Berlin Heidelberg, 1994: pp.93-105.
4. 劉棠瑞、楊國禎：紫堇科紫堇屬，臺灣植物誌 (vol. 2)，臺灣植物誌第二版編輯委員會，國立臺灣大學植物學系出版，臺北 1996; pp.726-733.
5. 王德群，張智編著：藥用動植物種養加工技術—延胡索，中國中醫藥出版社，北京 2001; pp. 1-38
6. 甘偉松：中國高等植物誌(二)，宏業書局，台北 1983; pp.12-13.
7. 中藥大辭典(上冊)：延胡索，上海科學技術出版社，上海 1986 pp.919-922.
8. 中華本草(3)：上海科學技術出版社，上海 1999; pp.619-649.
9. 徐國鈞、徐珞珊：常用中藥材品種整理和質量研究，福建科學技術出版社，福建 1994; pp.475-476.
10. 趙新先等編：原色中藥圖典(3)，南天書局，台北 2000; p.74
11. 唐慎微：經史證類大觀本草，草部九(宋朝)，正言出版社，台南 1976; p.259。
12. 李時珍：本草綱目，山草類下(明朝)，隆泉書局再版，台北 1990; pp.467-468.
13. 汪詡庵：增批本草備要，草部(清朝)，大中國圖書公司再版，台北 1991; p.48.
14. Ma SX, Chen KJ. : Current status of research on the Chinese medicinal herb *Corydalis yanhusuo*. *Chin. J. Int. Trad. & West Med.* 1985; 5:758-760.
15. 連文琰、馮瑞芝、過立農、蕭培根：元胡(延胡索)類中藥的研究, I. 本草考證及原植物鑑定。中草藥 1986; 17:21-23.
16. 連文琰、胡廷松：中國本草圖錄(卷一)，台灣商務印書局，台

- 北 pp.1988; 54-56.
17. 連文琰、胡廷松：中國本草圖錄（卷二），台灣商業印書局，台北 pp.1988; 52-53.
 18. 李萬波：東北野生延胡索的利用研究，黑龍江中醫藥 1966; 3:40.
 19. 范紹鈇：齒瓣延胡索塊莖更新的觀察，中草藥 1980; 11:468.
 20. Tang W, Eisenbrand G. *Corydalis turtschaninovii* Bess. f. *yanhusuo* Y.H. Chou et C.C. Hsü. In: Tang W, Eisenbrand G, editors. Chinese Drugs of Plant Origin, Chemistry, Pharmacology, and Use in Traditional and Modern Medicine, Berlin, Heidelberg: Springer-Verlag, 1992: pp.377-393.
 21. 陳榮福：中藥藥理學，國立中國醫藥研究所，台北 1911; 225-228.
 22. 沙世炎、劉愛茹：中草藥有效成分分析法，人民衛生出版社，北京 1984; pp.53-56.
 23. 胡熙明、張立平：中國藥物大全，人民衛生出版社，北京 1993; 217.
 24. 尤春來、王義明：東北延胡索的藥理實驗研究，中西醫結合雜誌 1986; 6:675-676.
 25. 陳麗娟、郭新：左旋千金藤立定和左旋四氫巴馬汀阻滯突觸前 D2 受體的反饋調控作用，中國藥理學雜誌 1992; 13:442-445.
 26. Gang WU, Jian W. : Effect of four dopamine agonists on l-tetrahydropalmatine induced analgesia and electroacupuncture analgesia in rabbit. Asia Pharmacol. Sin. 1990; 11:196-200.
 27. 楊行義、陳月萍、陳介甫：獨活、雞血藤、牡丹皮、酸棗仁及延胡索對中樞神經之作用，中華醫誌 1987; 40:193-200.
 28. Hsieh MT, Su SH. : Effect of palmatine on motor activity and the its metabolites in concentration of central monoamines and its metabolites in rats. Jpn. J. Pharmacol. 1993; 61:1-5.
 29. 馬勝興、陳可冀：延胡索研究概況，中西醫結合雜誌 1985; 5: 758-760.
 30. 馬勝興、陳可冀：延胡索抗心律失常作用的初步實驗，中藥通報 1985; 10:41-45.
 31. 馬勝興、陳可冀：延胡索鹼對家兔心電圖的影響及其時、量效關係的觀察，中西醫結合雜誌 1986; 6:743-744.

32. 溫玉麟：藥物與化學物質毒性數據，天津科學技術出版社，天津 1989; pp.327-415.
33. Dodds JH. : Plant genetic engineering, Lamper Enterprises Co., LTD, 1991; p.86
34. 江晃榮：農業生物技術，國立編譯館，台北 1993。
35. 田蔚城：生物技術，九州圖書文物有限公司，台北 1996。
36. 蔡新聲：農業試驗所組織培養技術之研究及應用。科學農業 1984; 32:205-210.
37. 戴新民：現代本草 中國藥材學（上），啟業書局，台北 1987; pp.347-351.
38. 田蔚城：生物技術的發展與應用，九州圖書文物有限公司，臺北 1997; pp.207-221。
39. Balandrin MF, Klocke JA. : Medicinal, aromatic, and industrial materials from plant. In : Biotechnology in Agriculture and Forestry. Bajaj YPS (eds.), Springer-Verlag, Berlin Heidelberg 1988; pp.1-36.
40. 顏昌敬：組織培養手冊，上海科學技術出版社，上海 1990; pp.2-6.
41. 竹內等，新植物組織培養，朝倉書店，東京 1980; p.4
42. Skoog F, Miller CO. : Chemical regulation of growth and organ formation in plant tissue cultured *in vitro*. Sym. Soc. Exp. Biol. 1957; 11:118-131.
43. Steward FC, Mapes DO, Mears K. : Growth and organized development of cultured cells II. Organization in cultures from freely suspended cells. Am. J. Bot. 1958; 45:705-708.
44. Sutter EG. : General laboratory requirement, media and sterilization methods. In : Plant tissue culture concepts and laboratory exercises. Trigiano RN and Gray DJ.(eds), Florida 1996; pp.1-25.
45. Murashige T. : Plant propagation through tissue culture. Ann. Rev. Physiol. 1974; 25:135-166.
46. Kuberski C, Scheibner H, Steup C. : Embryogenesis and cardenolide formation in tissue cultures of *Digitalis lanata*. Planta 1984; 153:466.
47. Ahuja PS, Hadiuzzaman S, Davey RM, Cocking EC : Prolific plant regeneration from protoplast-derived tissues of *Lotus corniculatus* L. Plant Cell Rep. 1983; 2:101-104.

48. 葉豐次：柴胡類之生藥學及竹葉紫胡組織培養之研究，中國醫藥學院 中國藥學研究所博士論文，台中 1995。
49. Amano A, Fujimoto K, Ohashi H, Matsunaga K, Mizukami H. : Chromosome number variation in *Bupleurum falcatum* plants regenerated through somatic embryogenesis of callus cultures. The Japanese Journal of Pharmacognosy. 1989; 43(1):13-18.
50. Tsukada M, Fukui H, Habara C, Tabata M. : Comparative studies on naphthoquinone derivatives in various crude drugs of “Zicao” (Shikon). The Japanese Journal of Pharmacognosy. 1983; 37(4):299-306.
51. 黃秋蘭：三島柴胡族群農藝性狀及柴胡皂素含量變異之研究，國立中興大學 農藝研究所碩士論文，台中 1991。
52. 王美珍：三島柴胡台農一號芽體培養及其懸浮細胞中柴胡皂 A、C 和 D 含量之探討。國立中興大學農藝研究所碩士論文，台中 1995。
53. Hiraoka N, Yamada N, Kodama T, Tomita Y. : In vitro propagation of *Atractylodes lancea*. Plant Cell Rep. 1984; 3:85-87.
54. Yamamoto H, Kitayama A, Tomimori T. : Root differentiation and paeoniflor in *Paeonia lactiflora* callus cultures. The Japanese Journal of Pharmacognosy. 1985; 39(3):185-189.
55. Hatano K, Shoyama Y, Nishioka I. : Multiplication of *Pinella ternata* by callus culture of leaf segment. The Japanese Journal of Pharmacognosy. 1986; 40(2):188-192.
56. Nishioka I. : Clonal multiplication of medicinal plant by tissue culture. The Japanese Journal of Pharmacognosy. 1988; 42(1):1-11.
57. Shoama Y, Hatano K, Nishioka I. : Clonal multiplication of *Pinella ternata* by tissue culture. Planta Med. 1983; 49:14-16.
58. Tsay HS, Gau TG, Chen CC. : Rapid clonal propagation of *Pinella ternata* by tissue culture. Plant Cell Rep. 1989; 8:450-454.
59. Fujioka N, Nahao K, Fujita Y, Miyagawa H, Kohda H, Yamasaki K, Takami S. : The production of plant regenerated from shoot tips of *Astragalus membranaceus* The Japanese Journal of Pharmacognosy. 1983; 37(4):405-411.
60. 林郁進：黃耆類藥材之生藥及膜莢黃耆組織培養之研究，中國醫藥學院中國藥學研究所博士論文，台中 1995

61. Xu XH, Davey MR : Shoot regeneration from mesophyll protoplasts and leaf explants of *Rehmannia glutinosa*. Plant Cell Rep. 1983; 2:55-57.
62. 張東迪：地黃組織培養之研究，中國醫藥學院中國藥學研究所碩士論文，台中 1988。
63. 戴宗德：湖北貝母組織培養之研究，中國醫藥學院中國藥學研究所碩士論文，台中 1992。
64. Kitamura Y, Miura H, Sugii M. : Plant regeneration from callus culture of *Swertia pseudochinensis*. The Japanese Journal of Pharmacognosy. 1989; 43(3):256-258.
65. Hiraoka H, Yamada N, Oyanagi M, Tomitam Y. : Vegetative propagation of *Saposhnikoria divaricata* through embryogenesis of leaf callus. The Japanese Journal of Pharmacognosy. 1987; 41(1):43-47.
66. Fujioka N, Kurish Y, Miyagawa H, Kohda H, Yamasaki K, Shoyama R, Nishioka I. : Studies on the tissue culture of *Panax japonicus* (1) Multiplication by somatic embryogenesis of flower bud and rhizome. The Japanese Journal of Pharmacognosy. 1986; 40(2):152-158.
67. Forsyth C, Staden JV. : An improved method of *in vitro* propagation of *Dioscorea bulbifera*. Plant Cell Tissue Organ Culture 1982; 1:275-281.
68. 林郁進：台灣白及組織培養之研究。中國醫藥學院中國藥學研究所碩士論文，台中 1990。
69. 陳素昭：輪葉沙參組織培養之研究。中國醫藥學院中國藥學研究所碩士論文，台中 1991。
70. 郭達初、俞志洲、林巾箴：龍膽的器官發生與繁殖。中藥通報 1983; 8:5。
71. 陳和榮、陳敏、陳福太、鐘風林：藥用青嵩的組織培養 II。中藥通報 1986; 11:2。
72. 陳露西、梁佛明、許欣：黃柏的組織培養。中藥草 1981; 12:6。
73. 戴蕭興：台灣黃柏組織培養之研究，中國醫藥學院中國藥學研究所碩士論文，台中 1996。
74. 衷維綱、劉素珍：何首烏莖段培養。中草藥 1987; 18:2。

75. 陳淑敏：知母之組織培養研究，中國醫藥學院中國藥學研究所碩士論文，台中 1995。
76. Yamamoto H, Cohnyasu N, Watanabe K, Tomimori T. : Effects of carbon source on the growth and flavonoid formation of *Scutellaria baicalensis* stem callus cultures. The Japanese Journal of Pharmacognosy. 1986; 40(1):19-25.
77. Kanrtng TH, Russheim U, Maunz B. : Cardenolide in *Oberflächen kulturenaus Keimund Laubblattern von Digitalis purpurea*. Planta Med. 1976; 29:275-282.
78. Nigra HM, Caro OH, Giulietti AM. : Production of solasodine by calli from different parts of *Solanum eleagnifolium* Cav. Plant Cell Rep. 1987; 8:135-137.
79. Namera A, Koyama N, Fujioka N, Yamasaki K, Kohda H. :Formation of stigma-like structures and pigments in cultured tissue of *Crocus sativus*. The Japanese Journal of Pharmacognosy. 1987; 41(3):260-262.
80. Yoshikawa T, Furuya T. : Saponin production by cultures of *Panax ginseng* transformed with *Agrobacterium rhizogenes*. Plant Cell Rep. 1987; 6:449-453.
81. Kamada H, Oakmara N, Harada MS, Shimomura K. : Alkaloid production by hairy root cultures in *Atropa belladonna*. Plant Cell Rep. 1986; 5:239-242.
82. Parr AJ, Peerless AC, Walton JD, Robins RJ, Rhodes MJC. : Alkaloid production by transformed root culture of *Catharanthus roseus*. Plant Cell Rep. 1988; 7:309-312.
83. Miura Y, Hirata K, Kurano N, Miyamoto K, Uchida K. : Formation of vinblastine in multiple shoot culture of *Catharanthus roseus*. Planta Med. 1988; 54:18-20.
84. Christen P, Roberts MF, Phillipson JD, Evans WC. : GC/MS examination of *Datura candida* hairy roots of a hybrid for alkaloids. Planta Med. 1989; 55:595.
85. Christen P, Roberts MF, Phillipson JD, Evans WC. : High yield production of tropane alkaloids by hairy-root cultures of a *Datura candida* hybrid. Plant Cell Rep. 1989; 8:75-77.
86. 劉賢祥譯：植物組織培養，徐氏基金會，台北 1982; pp.580-608

87. Chen THH, Kartha KK, Leung NL, Kurz WGW, Chatson KB, Constable F. : Cryopreservation of alkaloid producing cell cultures of periwinkle (*Catharanthus roseus*). *Plant Physiol.* 1984; 75:726-731.
88. Fukui H, Nakagawa K, Tsuda S, Tabata M. : Production of isoquinoline alkaloids by cell suspension cultures. In : A. Fujiwara (ed) *Plant tissue culture* Tokyo. 1982; 313-314.
89. Yamamoto O, Yamada Y. : Production of reserpine and its optimization in cultured *Rauwolfia serpentina* Benth. cells. *Plant Cell Rep.* 1986; 5:50-53.
90. Fujita Y, Hara Y, Suga C, Morimoto T. : Production of shikonin derivatives by cell suspension cultures of *Lithospermum erthrorhizon*. *Plant Cell Rep.* 1981; 1:61-63.
91. Furuya T, Ikuta A, Syono K. : Alkaloid from callus tissue of *Papaver somniferum* *Phytochemistry* 1972; 11:3041-3044.
92. Hiraoka N, Kodama T, Tomita Y. : Selection of *Bupleurum falcatum* callus line producing anthocyanins in darkness. *J. Natural Products* 1986; 49:470-474.
93. Heble M, Staba M. : Steroid metabolism in stationary phase cell suspension of *Dioscorea deltoidea*. *Planta Med. Suppl.* 1980; 124-128.
94. Kim HR, Seon JH, Ha SY, Suh HW. : Effects of growth regulators and nutrient sources on the production of anthocyanin from cell culture of *Euphorbia milli*. *Korean J. Plant Tissue Culture* 1988;15(2):111-120.
95. Lee CY, Lin FL, Yang YL, Chang CT, Wang LH, Wei HL, Tsay HS. : Taxol production by cell culture of *Taxus mairei*. TARI Special publication No. 48 Taichung Taiwan 1995; 137-148.
96. Kreis W, Reinhard E. : Δ^5 - 3β -Hydroxysteroid dehydrogenase/ Δ^5 - Δ^4 -Ketosteroid-isomerase (3β -HSD), a possible enzyme of cardiac glycoside biosynthesis, in cell cultures and plants of *Digitalis lanata*. *Plant Cell Rep.* 1990; 8:621-624.
97. Murashige T. : Manipulation of orange initiation in plant tissue culture. *Bot. Bull. Acad. Sin.* 1977; 18:1-24.
98. Hiraoka N, Kodama T, Tomita Y. : *In vitro* propagation of *Bupleurum*

- falcatum*. The Japanese Journal of Pharmacognosy. 1983; 37(1):62-67
99. Jenny AC, Singh AP, Horgan KJ, Thorpe TA. : Explant developmental state and shoot formation in *Pinus radiata* cotyledons. Bot. Gaz. 1985; 146(2):196-203.
 100. Margarita C, Margarita M. : Morphogenesis in leaf, hypocotyl and explants of *Digitalis thapsi* L. cultured *in vitro*. Plant Cell Tiss. Org. Cult. 1991; 25:117-123.
 101. 陳露西、梁佛明、許欣：黃柏的組織培養。中草藥 1981; 6:36-37。
 102. Nigra HM, Caro OH, Giulietti AM. : Production of solasodine by calli from different parts of *Solanum eleagnifolium* CAV. Plant Cell Rep. 1987; 8:135-137.
 103. Murashige J, Shoog F. : A revised medium for rapid growth and bioassays with *Tobacco* tissue culture. Physiol. Plantarum 1962; 15:437-497.
 104. Evans DA, Sharp WR, Flick CE. : Growth and behavior of cell cultures : embryogenesis and organogenesis. In : Plant Tissue Culture: Methods and Applications in Agriculture. (T.A. Thorpe, ed.), New York 1981; pp. 45-113.
 105. Wang PJ, Hu CY. : Regeneration of virus-free plants through *in vitro* culture. Adv. Biochem Eng. 1980; 18:61-99.
 106. Gandaeidaja D. : Effect of nitrate and ammonium on the growth of tissue culture of *Dendrobium phalaeopsis* Fitzg. Ann. Bot. 1980; 7(2):63-69.
 107. Erdei I, Kiss Z, Maliga P. : Rapid clonal multiplication of *Digitalis lanata* in tissue culture. Plant Cell Rep. 1981; 1:34-35.
 108. De-Eknamkul W, Ellis BE. : Effects of macronutrients on growth and rosmarinic acid formation in cell suspension cultures of *Anchusa officinalis*. Plant Cell Rep. 1985; 4:46-49.
 109. 陳忠川、張文德、張永勳、蔡新聲：台灣白芷組織培養之研究、細胞懸浮培養之建立及培養條件之探討，中醫藥雜誌 1994; 5:123-134。
 110. Cao W, Tibbitts TW. : Responses of potatoes to solution pH level with different from of nitrogen. J. Plant Nutr. 1994; 17(1):109-126.

111. Stuart DA, Strickland SG. : Somatic embryogenesis from cell cultures of *Medicago sativa* L. The role of amino acid additions to the regeneration medium. *Plant Sci. Lett.* 1984; 34:165-174.
112. Fonnesbech M. : Organic nutrient in media for propagation of *Cymbidium in vitro*. *Physiol. Plantarum* 1972; 27(3):360-364.
113. Siriwardana S, Nabors MW. : Tryptophan enhancement of somatic embryogenesis in rice. *Plant Physiol.* 1983; 73:142-146.
114. Raian SK, Sathish P, Sarma KS. : Plant regeneration form *in vitro* cultures of anthers and mature seeds of rice (*Oryza sativa* L.) cv. Basmati-370. *Plant Cell Rep.* 1987; 6:43-45.
115. Smith DL, Krikorian AD. : Somatic proembryo production from excised, wounded zygotic carrot embryos on hormones-free medium: evaluation of the effect of pH, ethylene and activated charcoal. *Plant Cell Rep.* 1990; 9:34-37.
116. Sasse F, Heckenberg U, Berlin J. : Accumulation of β -carbolin alkaloid and serotonin by cell culture of *Peganum harmala* L. I. Correlation between plants and cell cultures and influence of medium constituents. *Plant Physiol.* 1982; 69:400-404.
117. Smith JI, Smart NJ, Kurz WGM, Talleri SG, Dicosmo F. : Increased accumulation of indole alkloids by some cell lines of *Catharanthus roseus* in response to addition of vanadyl sulphate. *Plant Cell Rep.* 1987; 6:142-145.
118. Zenk MH, El-Shagi H, Shulte U. : Anthraquinone production by cell suspension cultures of *Morinda citrifolia*. *Planta Med.* 1975; 21:79-101.
119. Hagimori M, Matsumoto T, Obi Y. : Effects of nutrients on digitoxin formation by shoot forming cultures of *Digitalis purpurea* L. grown in liquid media. *Plant Cell Physiol.* 1982; 23:1205-1211.
120. 闕甫仸：當歸細胞懸浮培養之研究，中國醫藥學院中國藥學研究所碩士論文，台中 1993。
121. Paek Y, Kee C, Ki C. : Effects of NH_4^+ , Ca^{2+} , and Mg^{2+} Ion Concentration on organogenesis and nutrient content through *Cymbidium Protocorm* Culture. *J. Kor. Soc. Hort. Sci.* 1985; 25(2):193-199.
122. Irintoto B, Tan KH, Sommer HE. : Effect of humic acid on callus

- culture of slash pine (*Pinus elliottii* Engelm). J. Plant Nutr. 1993; 16(6):1109-1118.
123. Fukui H, Tani M, Tabata M. : Induction of shikonin biosynthesis by endogenous polysaccharides in *Lithospermum erythrorhizon* cell suspension cultures. Plant Cell Rep. 1990; 9:73-76.
 124. Shepard JF, Street HE. : The decline of embryogenic potential as callus and suspension cultures of carrot (*Daucus carota* L.) are serially subcultured. Ann. Bot. 1974; 38:223-241.
 125. George EF, Sherrington PD. : Plant propagation by tissue culture. Handbook and directory of commercial laboratories. Eastern Press, Reading, Berks. England 1984; pp.125-330.
 126. Caboche M. : Nitrogen, carbohydrate and zine requirement for the induction of shoot morphogenesis from protoplast derived colonies of *Nicotiana plumbaginifolia*. Plant Cell Tiss. Org. Cult. 1987; 8:197-206.
 127. Andrijany VS, Indrayanto G, Soehono LA. : Simultaneous effect of calcium, magnesium, copper and cobalt ions on sapogenin steroids content in callus cultures of *Agave amaniensis*. Plant Cell Tiss. Org. Cult. 1999; 55:103-108.
 128. 陳和榮、陳敏、陳福太、鐘風林：藥用青蒿組織培養 II。中藥通報 1986; 11(2):9-11。
 129. Sanchez MI. : Micropropagation of *Cytopodium* (Orchidaceae) through root tip culture. Lindleyana 1988; 3(2):93-96.
 130. Sauerwein M, Becker H. Vitmin B promotes growth of *liverwort* tissue culture. Agri. Cell Rep. 1989; 12:28-30.
 131. Richard W, Pate KR, : Thorpe TA. Ascorbic acid enhancement of organogenesis in *Tabacco* callus. Plant Cell Tiss. Org. Cult. 1988; 13:219-228.
 132. Arya S, Jiu JR, Eriksson T. : Plant regeneration from protoplasts of *Panax ginseng* (C.A. Meyer) through somatic embryogenesis. Plant Cell Rep. 1991 ; 10 : 277-281.
 133. Yamamoto H, Cohnyasu N, Watanabe K, Tomimori T. : Effects of carbon source the growth and flavonoid formation of *Scutellaria baicalensis* stem callus cultures. The Japanese Journal of Pharmacognosy. 1986; 40(1):19-25.

134. Cabasson C, Ollitrault P, Cote FX, Ferriere NM, Dambier D, Dalnic, Teisson C. : Characteristics of *Citrus* cell cultures during undifferentiated growth on sucrose and somatic embryogenesis on galactose. *Physiol. Plantarum* 1995; 93:464-470.
135. 周立剛、鄭光植、王世林：寡糖素對滇紫草癒傷組織色素合成的影響。 *天然產物研究與開發* 1990; 2:22-25。
136. 高景輝：植物荷爾蒙生理，華香園出版社，臺北 1994; pp.25-43。
137. Lu CY. : The use of thidiazuron in tissue culture. : *In Vitro Cell Dev. Biol.* 1993; 29:92-96.
138. Agnihotri A, Upta V, Jafannathan V. : Plant regeneration from callus and protoplasts of *Brassica nigra* (IC 257) through somatic embryogenesis. *Plant Cell Rep.* 1990; 9:427-430.
139. Ghosh B, Sen S. : Plant regeneration through somatic embryogenesis from spear callus culture of *Asparagus cocperi* BAKER. *Plant Cell Rep.* 1991; 9:667-670.
140. Hunault G, Maatar A. : Enhancement of somatic embryogenesis frequency by gibberellic acid in fennel. *Plant Cell Tiss. Org. Cult.* 1995; 41:171-176.
141. Miborrow BV. : Identification and measurement of (+)-abscisic acid in plants. In : *Biochemistry and Physiology of Plant Growth Substances*, eds. F. Wightman and G. Setterfield, Runge Press, Ottawa 1968; pp.1531-1545.
142. Chandler SF, Dodds JH. : The effect of phosphate nitrogen and sucrose on the production of phenolics and solasodine in cultures of *Solanum laciniatum*. *Plant Cell Rep.* 1983; 2(4):205-208.
143. Ammirato PV. : Some effects of abscisic acid on the development of embryos from *caraway* cells in suspension culture. *Am. J. Bot.* 1973; 60 (suppl) :22-23.
144. Attree SM, Fowke LC. : Somatic embryogenesis and synthetic seeds of conifers. *Plant Cell Tiss. Org. Cult.* 1993; 35:1-35.
145. Li B, Wolyn DJ. : The effects of ancymidol, abscisic acid, uniconazole and paclobutrazol on somatic embryogenesis of *asparagus*. *Plant Cell Rep.* 1995; 14:529-533.
146. Fridborg G, Pederson M, Landstron LE, Eriksson T. : The effect of activated charcoal on tissue cultures adsorption of metabolites

- inhibiting morphogenesis. *Physiol. Plantarum* 1978; 43:104-106.
147. 莊錦華, 李年: 菸鹼酸、椰子汁與香蕉泥對台灣一葉蘭種子發芽與小苗生長之影響。 *中國園藝* 1986; 32(2):132-138。
 148. Hay A, Erson LA, Roberts MF, Phillipson JD. : *A vitro* cultures of *Cinchona* species precursor feeding of *Cinchona ledgeriana* root organ suspension cultures with L-tryptophan. *Plant Cell Rep.* 1986; 5:1-4.
 149. Hirotani M, Furnya T. : Restoration of cardenolide-synthesis in redifferentiated shoots from callus cultures of *Digitalis purpurea*. *Phytochemistry* 1977; 16:610-611.
 150. Anderson LA, Hay CA, Roberts MF, Phyllipson JD. : Studies on *Ailanthus altissima* cell suspension cultures precursor feeding of L-[methylene-C] tryptophan and L-tryptophan. *Plant Cell Rep.* 1986; 5:387-390.
 151. Robins RJ, Phodes MJC. : The stimulation of anthraquinone production by *Cinchona ledgeriana* cultures with polymeric adsorbents. *Appl. Microbiol Biot.* 1986; 24:35-41.
 152. Shimokawa Y, Ushioand N, Ohashi H. : Cultivation and breeding of *Bupleurum falcatum* L. effect of temperature on growth development and saikosaponin content of 1-year old plants. *The Japanese Journal of Pharmacognosy.* 1980; 34:209-214.
 153. Funk C, Gugler K, Brodelius P. : Increased secondary product form in plant cell suspension cultures after treatment with a yeast carbohydrate preparation (elicitor). *Phytochemistry* 1987; 26:401-405.
 154. Tyler RT, Eilert V, Rjinders COM, Roewer IA, Kurz WGW. : Semi-continuous production of sanguinarine and dihydro-sanquinarine by *Papaver somniferum* L. cell suspension cultures treat with fungal homogenate. *Plant Cell Rep.* 1988; 7:410-413.
 155. Kandeel N, Hughes H. : Delayed Effects of shake culture. *Agri. Cell Rep.* 1988; 11:22.
 156. Ichihashi S, Kako S. : Studies on clonal propagation of *Catleya* through tissue culture method 2. Browning of *Catleya*. *J. Jpn. Soc. Horti. Sci.* 1977; 46(3):220-325.
 157. Hasegawa PM, Ohasi AH, Goi M. : Effects of BA, rhizome length,

- mechanical treatment and liquid shaking culture on the shoot formation from rhizome in *Cymbidium faberi* ROLFE. Acta Hort. 1985; 166:25-40.
158. Earle ED, Langhans RW. : Propagation of Chrysanthemum *in vitro* : 2. Production, growth and flowering of plantlets from tissue culture. J. Am. Soc. Hort. Sci. 1974; 99:352-358.
159. 古新梅、蔡新聲 : 培養基組成分對康乃馨試管苗玻璃質化的影響。中華農業研究 1994; 43:51-92.
160. Skirvin RM, Chu MC, Mann ML, Young H, Sullivan J, Fermanian T. : Stability of tissue culture medium pH as a function of autoclaving, time and cultured plant material. Plant Cell Rep. 1986; 5:292-294.
161. Rose D, Martin SM. : Effect of ammonium on growth of plant cells (*Ipomoea* sp.) in suspension culture. Can. J. Bot. 1975; 53:1942-1949.
162. 蘇遠志、楊瑞森、高建元 : 利用植物組織培養二級代謝產物。Bioindustry 1990; 1(1):1-14.
163. Shoyama Y, Hasegawa N, Nishioko I. : *In vitro* propagation of *Lilium japonicum* by culture of bulblet. The Japanese Journal of Pharmacognosy. 1987; 41(4):352-355.
164. Hiraoka N. : Effect of gelling agent on the growth and naphthoquinone accumulation of *Lithospermum erythrorhizon* callus cultures. The Japanese Journal of Pharmacognosy. 1990; 44(3):230-234.
165. Economou AS. : Light treatment to improve efficiency of *in vitro* propagation systems. J. Jpn. Soc. Hort. Sci. 1987; 22(5):751-754.
166. Mantell SH, Haque SQ, Whitehall AP. : Clonal propagation of *Dioscorea alata* L., *Dioscorea rotundata* Poir. yams by tissue culture. Hort. Sci. 1978; 53:95-98.
167. Chee R, Pool R. : Effects of light quality on tissue culture. J. Am. Soci. Hort. Sci. 1989; 6:114-350.
168. Takio S, Akita C, Ngume VW, Takami S. : Photosynthetic ability in dark-grown *Reboulia hemisphaerica* and *Barbula unguiculata* cells suspension cultures. Plant Cell Rep. 1990; 8:575-578.
169. Uden W, Pras N, Visser JF, Malingre TM. : Detection and

- identification of podophyllotoxin produced by cell cultures derived from *Podophyllum hexandrum* ROYLE. Plant Cell Rep. 1989; 8:165-168.
170. 張文德：台灣白芷細胞懸浮培養之研究，中國醫藥學院中國藥學研究所論文，台中 1991。
171. 趙昌敬：植物組織培養手冊 1990，上海科學技術出版社，上海 pp.120-125。
172. Lane WD. : *In vitro* propagation of *Spirea bumalda* and *Prunus oistena* from apices. Can. J. Plant Sci. 1979; 50:1025-1029.
173. Gautheret RJ. : Investigation on the root formation in the tissues of *Helianthus tuberosus* cultured *in vitro*. Am. J. Bot. 1969;56:702-717.
174. Arnold SV, Eriksson T. : Effects of agar concentration on growth and anatomy of adventitious of *Picea abies* L. Plant Cell Tiss. Org. Cult. 1984; 3:257-264.
175. Ritchie GA, Short KC, Davey MR. : *In vitro* acclimatization of *Chrysanthemum* and sugar beet plantlets by treatment with paclobutrazol and exposure to reduced humidity. J. Exp. 1991; 42(245):1557-1563.
176. Ichihashi S, Kako S. : Studies on clonal propagation of *Cattleya* through tissue culture method 1. Factors affecting survival and growth of shoot meristem of *Cattleya*. J. Jpn. Soc. Hortic. Sci. 1973; 42(3):264-270.
177. Biebel JP. : Orchid flasks and limiting factors. Proceeding of florida Hortic. Soc. 1986; 99:241-242.
178. Johansson L. : Carbon dioxide promotes embryogenesis. Agri. Cell Rep. 1984; 2:37.
179. 原田宏，駒嶺穆：植物細胞組織培養。理工學社，東京 1979; pp.23-36.
180. Linus HW, Vander P, Marijke JW. : Effects of oxygen on growth and respiration of potato tuber callus. Plant Cell Tiss. Org. Cult. 1986; 17:217-225.
181. Kobayashi Y, Fukui H, Tabata M. : Effect of oxygen supply on berberine production in cell suspension culture and immobilized cells of *Thalictrum minus*. Plant Cell Rep. 1989; 8:225-258.

182. 陳威臣, 蕭翌柱, 賴建洲, 蔡新聲: 培養基組成與培養容器覆蓋物對康乃馨組織培養苗玻璃質化與發根的影響, 中華農業研究 1998; 47(4):364-376。
183. Sagare AP, Kuo CL, Chueh FS, Tasy HS. : *De Novo* regeneration of *Scrophularia yoshimurae* YAMAZAKI (Scrophulariaceae) and quantitative analysis of harpagoside, an iriodoid glucoside, formed in aerial and underground parts of *in vitro* propagated and wild plants by HPLC. Biol. Pharm. Bull. 2001; 24(11):1311-1315.
184. Lee YL, Sagare AP, Lee ZY, Shaw JF, Tsay HS. : Production of protoberberine-type alkaloids by the tubers of somatic embryo-derived plants of *Corydalis yanhusuo*. Planta Med. 2001; 67:839-842
185. Zhang S, Cheng KC. : *Angelica sinelica sinensis* (OLIV) DIELS : *In vitro* culture, regeneration and the production of medicinal compounds. Biotechnology in Agriculture and Forestry 7.(ed by Bajaj. Y.P.S) Springer-Verlag. New York. 1988:pp.1-22.
186. Kitamura Y, Miura H, Sugii M. : Plant regeneration from callus culture of *Swertia pseudochinensis*. Jpn. J. Pharmacol. 1989; 43(3):256-258.
187. 譚文澄、戴策剛: 觀賞植物組織培養技術。中國林業出版社。北京 1997 ; pp.55-58。
188. Gautheret GJ. : Hetero-auxins et cultures de tissue begtaux. Bull. Soc. Chem. Bio. 1942; 24:13
189. Minocha SC, Halpperin W. : Hormones and metabolites with control tracheid differentiation with or without concentration effects on growth, in cultured tuber tissue of *Holianthus tuberosus* L. Planta 1974; 116:319-331.
190. 林子超: 延胡索癒合組織之誘導及細胞懸浮培養之研究, 中國醫藥學院 中國藥學研究所碩士論文, 台中 1998。
191. Miller CO, Skoog F, von Saltza MH, Strong FM. : J. Am. Chem. Soc. 1955; 77:1392.
192. Huetteman CA, Preece JE. : Thidiazurona potent cytokinin for woody plant tissue culture. Plant Cell Tiss. Org. Cult. 1993; 33:105-119.
193. Nayak NR, Rath SP, Patnaik S. : *In vitro* propagation of three

- epiphytic orchids, *Cymbidium aloifolium* (L.) Sw., *Dendrobium aphyllum* (Roxb.) Fisch. and *Dendrobium moschatum* (Buch-Ham) Sw. through thidiazuron-induced high frequency shoot proliferation. *Scientia Hort.* 1997; 71:243-250.
194. Bajaja YPS, Kumar P, Singh MM, Labana KS. : Interspecific hybridization in the genus *Arachis*. through embryo culture. *Euphytica* 1982; 31:365-370.
195. Hossain M, Rahman SM, Islam R, Joarder OI. : High efficiency plant regeneration from petiole of *Carica papaya* L. through organogenesis. *Plant Cell Rep.* 1993; 13:99-102.
196. Furuya T, Kajina H, Suono K. : Regulation of nicotine biosynthesis by auxin in tobacco callus tissue. *Phytochemistry* 1971; 10:1529-1532.
197. Sharp WR, Sondahl MR, Caldas LS. : The physiology of *in vitro* asexual embryogenesis. *Hortic. Rev.* 1980; 2: 268-310.
198. Hatanaka T, Arakawa O, Yasuda T. : Effect of plant growth regulators on somatic embryogenesis in leaf cultures of *Coffea canephora*. *Plant Cell Rep.* 1991; 10:179-182.
199. Hunault G, Desmarest P, Manoir JD. : *Foeniculum vulgare* MILLER cell culture, regeneration and the production of anethole. In "Biotechnology in Agriculture and Forestry 7". Bajaj YPS ed. Springer-Verlag, New York, U.S.A. 1988; pp.185-212.
200. Narayanaswamy S. : Regeneration of plant from tissue culture. In "Plant cell tissue and organ culture". Reinert J, Bajaj YPS eds. Springer-Verlag, New York, U.S.A. 1977; pp.179-207.
201. Ammirato PV. : Embryogenesis. In : Hand-book of plant cell culture. Vol. 1. "Techniques for propagation and breeding". Evans DA *et al.* eds. Macmillan, New York, London, 1983; pp.82-123.
202. Steward FC, Israel HW, Mott RL. : Observations on growth and morphogenesis in cultured cells of carrot (*Daucus carota* L.). *Phil. Trans. R. Soc. Lond. B.* 1975; 273: 33-53.
203. Reinert J. : Morphogenese and ihre kontrolle an gewebeulturen an carotten. *Naturwissenschaften* 1958; 45:344-345.
204. Nigra HM, Alvarez MA, Giulietti AM. : The influence of auxins, light and cell differentiation on solasodine production by *Solanum*

- eleagnifolium* cav. calli. Plant Cell Rep. 1989; 8:230-233.
205. Yazaki K, Okada T. Gallotannin production in cell culture of *Cornus officinalis* Sieb. et Zucc. Plant Cell Rep. 1989; 3:346-349.
206. Ohira K, Ojiwa K, Fujiware A. : Studies on the nutrition of rice cell culture. I. A simple, defined medium for rapid growth in suspension culture. Plant and Cell Physiol. 1973; 14:1113-1121.
207. Ikuta A, Itokawa H. Accumulation of berberin and the related alkaloid in callus tissue of *Thalictrum thunbergii*. Planta Med. 1980; 39:283.
208. Kobayashi Y, Hara M, Fukui H, Tabata M. : The role of ethylene in berberine production by *Thalictrum minus* cell suspension cultures. Phytochemistry, 1991; 30(11):3605-3609.
209. Staba EJ, Zito S, Amin M. : Alkaloid production from *Papaver* tissue cultures. J. Natural Products 1982; 45: 256-62.
210. Nakagawa K, Konagai A, Fukui H, Tabata M. : Release and crystallization of berberine in the liquid medium of *Thalictrum minus* cell suspension cultures. Plant Cell Rep. 1986; 5:69-71.
211. Maheswaran G, Williams EGO. Origin and development of somatic embryoids formed directly on immature embryos of *Trifolium repens* *in vitro*. Ann. Bot. 1985; 56: 619-630.
212. Raemakers CJM, Jacobsen E, Visser RGF. : Secondary somatic embryogenesis and applications in plant breeding. Euphytica 1995; 81: 93-107.
213. Chang WC, Hsing YI. : *In vitro* flowering of embryoids derived from mature root callus of ginseng (*Panax ginseng*). Nature 1980; 284: 341-342.
214. Mehta UJ, Hazra S, Mascarenhas AF. : Somatic embryogenesis and *in vitro* flowering in *Brassica nigra*. In Vitro Cell Dev. Bio. 1993; 29: 1-4.
215. Koh WL, Loh CS.: Direct somatic embryogenesis, plant regeneration and *in vitro* flowering in rapid-cycling *Brassica napus*. Plant Cell Rep. 2000; 19:1177-1183.
216. 闕甫忖：台灣產龍膽之生藥學研究，中國醫藥學院中國藥學研究所博士論文，台中 2000。