

## 陳 立 耿 Lih-Geeng Chen



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最高學歷 <b>Education</b>	台北醫學院藥學研究所 藥學博士 Ph. D. Graduate Institute of Pharmacy, Taipei Medical College	研究室電話 <b>Tel.</b>	2717798
研究領域 <b>Research fields</b>	天然物化學、生藥學、中草藥品質管制、儀器分析 natural product chemistry, pharmacognosy, quality control of Chinese herbal medicines, instrumental analysis	電子郵件 <b>e-mail</b>	<a href="mailto:lgchen@mail.ncyu.edu.tw">lgchen@mail.ncyu.edu.tw</a>
主授科目 <b>Teaching topics</b>	天然活性物質、活性天然物化學特論、分析化學實驗、中藥概論、儀器分析特論、儀器分析 Bioactive Natural Products, Special Topics of Bioactive Natural Products Chemistry, Introduction of Traditional Chinese Medicines, Special Topics of Instrumental Analysis, Instrumental analysis	傳真 <b>Fax.</b>	05-2717778

### 參與研究計畫 **Research Grants**

- 2019/12/01~2020/12/31 科技部 國立嘉義大學自有貴重儀器共同使用服務計畫 (108-2731-M-415-001-) 共同主持人
- 2018/12/01~2019/12/31 科技部 國立嘉義大學自有貴重儀器共同使用服務計畫 (107-2731-M-415-001-) 共同主持人

- 2014/12-2015/10 衛生福利部中醫藥司-中藥指標成分開發彙編及推廣 主持人
- 2014/4-2014/12 衛生福利部中醫藥司-五種中藥指標成分對照品之製備 主持人
- 2014/3-2014/9 貿立實業股份有限公司-芳香精油成分分析與應用 主持人
- 2013/02-2013/12 衛生署中醫藥委員會-四種中藥標準品開發暨研議供應機制之研究 主持人

Investigator-Four Chinese herbal standards preparation and colloquium for Chinese herbal standard supply protocol (Committee on Chinese Medicine and Pharmacy, Department of Health)

- 2012/01-2012/12 衛生署中醫藥委員會-中藥標準品開發與供應機制之研究(2-2) 主持人

Investigator- Investigation on the standard purification procedure for reference standards and supply mechanism (2-2) (Committee on Chinese Medicine and Pharmacy, Department of Health)

- 2011/01-2011/12 衛生署中醫藥委員會-中藥標準品開發與供應機制之研究 主持人

Investigator- Investigation on the standard purification procedure for reference standards and supply mechanism (Committee on Chinese Medicine and Pharmacy, Department of Health)

- 2010/08/-2011/07 國科會-大頭茶、森氏紅淡比、台灣野牡丹藤之抗氧化與抗發炎活性成分研究(99-2320-B-415-003-)主持人

Investigator- Anti-oxidative and anti-inflammatory components from *Gordonia axillaris*, *Cleyera japonica* var. *morii*, and *Medinilla formosana* (National Science Council)

- 2010/01-2010/12 衛生署中醫藥委員會-羌活、決明子、前胡、紫草與薑指標成分之標準製備流程開發 主持人

Investigator- Development on the purification standard operating procedure (SOP) of reference standards from *Notopterygii Rhizoma*, *Cassiae Semen*, *Peucedani Radix*, *Lithospermi Radix*, and *Zingiberis Rhizoma* (Committee on Chinese Medicine and Pharmacy, Department of Health)

- 2008/01-2008/12 農委會-小葉葡萄之抗氧化活性成分及標準萃取物指紋圖譜(2) 主持人

Investigator- Antioxidative principle components of *Vitis thunbergii* var. *taiwaniana* and HPLC fingerprint of standardized extracts (2) (Council of Agriculture)

- 2007/01-2007/12 農委會-本土藥用植物抗生活性及毒理研究(3) 主持人

Investigator- The antibiotic activity and toxicity of endemic plants of Taiwan (3) (Council of Agriculture)

- 2007/01-2007/12 農委會-小葉葡萄之抗氧化活性成分及標準萃取物指紋圖譜 主持人

Investigator- Antioxidative principle components of *Vitis thunbergii* var. *taiwaniana* and HPLC fingerprint of standardized extracts (1) (Council of Agriculture)

- 2006/01-2006/12 農委會-本土藥用植物抗生活性及毒理研究(2) 主持人

Investigator- The antibiotic activity and toxicity of endemic plants of Taiwan (2) (Council of Agriculture)

- 2005/08-2006/07 國科會研究計劃-長柄菊之抗氧化與抗菌活性成分研究 主持人

Investigator- Antioxidative and antibacterial components of *Tridax procumbens* L. (National Science Council)

- 2005/01-2005/12 農委會-本土藥用植物抗生活性及毒理研究 (1) 主持人

Investigator- The antibiotic activity and toxicity of endemic plants of Taiwan (1) (Council of Agriculture)

- 2004/08-2005/07 國科會研究計劃 - 大果油茶之保肝活性評估 (NSC93-2313-B-038-028) 共同主持人

Co-investigator-Hepatoprotective of *Camellia oleifera* (NSC93-2313-B-038-028) (National Science Council)

- 2003/08-2004/07 國科會研究計劃 - 鼠麴草之抗氧化活性成分研究 (NSC92-2313-B-415-012) 主持人

Investigator- Antioxidative principles of *Gnaphalium affine* D.Don  
(NSC92-2313-B-415-012)(National Science Council)

- 2003/08-2004/07 國科會研究計劃-台灣原生種植物之利用-細葉山茶之保肝活性評估 (NSC92-2313-B-415-007) 共同主持人

Co-investigator-Hepatoprotective of *Camellia tenuifolia* (NSC92-2313-B-415-007)  
(National Science Council)

- 2003/07-2004/06 國科會研究計劃-抗 SARS 病毒中草藥之研發 (NSC92-2751-B-415-002-Y) 協同主持人

Assistant investigator- Investigation of Anti-SARS Virus Chinese Herbal Medicines  
(NSC92-2751-B-415-002-Y) (National Science Council)

#### ✚ 個人經歷 **Career Positions**

- 2009/08-迄今 國立嘉義大學微生物免疫與生物藥學系 副教授
- 2002/08- 2009/07 國立嘉義大學生物藥學研究所 助理教授

Assistant Prof. at Graduate Institute of Biopharmaceutics, National Chiayi University

- 2001/12-2002/07 工業技術研究院生醫工程中心 醫藥技術組特約研究員

Researcher at Industrial Technology Research Institute of Taiwan (Biomedical Engineering Center)

- 2001/04-2001/07 日本國立岡山大學藥學部客座研究員

Visiting Researcher at Okayama University (Faculty of Pharmaceutical Sciences)

- 1999/12-2001/03 國防醫學大學國防醫學院藥學系助教

Teaching assistant at National Defense Medical Center

- 1999/02-1999/07 臺北醫學大學藥學研究所博士後研究員

Post-doctor researcher at Graduate Institute of Pharmacognosy Sciences, Taipei Medical University

#### ✚ 榮譽 **Honor/Awards**

- 2017/11 106 學年度國立嘉義大學績優兼任行政工作老師
- 2016/07 104 學年度國立嘉義大學服務傑出獎
- 2012/09 100 學年度國立嘉義大學優良導師績優獎
- 2010/05 第七屆國家新創獎學術研究組 利用本土生物資材調製高級夢幻香水之研發 國立嘉義大學香水香精香料研發團隊
- 2007/09 指導鄒尚勳同學榮獲 Zespri 第一屆百萬蔬果論文大賞
- 2005/08 獲國科會補助赴美國賓州(Pennsylvania)費城(Philadelphia)參加美國化學會第 228 次全國會議(2004 年 8 月 22-26 日)發表論文.  
Funding by National Science Council to attend "American Chemical Society 228th National Meeting" (Aug. 22-26, 2004) Pennsylvania, Philadelphia, USA
- 1999/01 獲中華扶輪社博士班獎學金.  
Chung Hwa Rotary Education Foundation Scholarship for Doctor Course Student.
- 1998/07 獲教育部補助赴美國出席”The 3<sup>rd</sup> Tannin conference” (Bend, Oregon,USA)發表論文.Funding by Ministry of Education (Taiwan) to attend ”The 3<sup>rd</sup> Tannin conference” (Bend, Oregon, USA)
- 1998/03 獲財團法人顏焜熒文教基金會補助赴日出席”第 118 屆日本藥學會” (Kyoto, Japan ) 發表論文.Funding by Yen's Foundation (Taiwan) to attend "The Pharmaceutical Society of Japan 118th Annual Meeting", Kyoto, Japan.
- 1997/10 獲日本生藥學會補助赴日出席”International Symposium on Natural Medicine” (Kyoto, Japan) 發表論文.Funding by Pharmacognosy Society of Japan to attend "International Symposium on Natural Medicines", Kyoto, Japan.
- 1996/12 獲財團法人顏焜熒文教基金會補助赴法國出席”The French-Chinese (Taiwan) Symposium of Organic and Organometallic Chemistry” (Strasburg, French) 發表論文.Funding by Yen's Foundation (Taiwan) to attend ”The French-Chinese (Taiwan) Symposium of Organic and Organometallic Chemistry”, Strasburg, French.

#### ✚ 專利 **Patents**

- 2013/12 中華民國專利 I418358 用於抗 B 型肝炎病毒之醫藥組合物之用途
- 2013/03 中華民國專利 沉香屬果殼之萃取物及其於治療癌症之用途
- 2012/05 US 8,168,238 B2 號美國專利 Extracts of *Aquilaria* hulls and use thereof in the treatment of cancer

✚ 期刊論文 Publication

1. **LG Chen**, LL Yang, KY Yen, T Hatano, T Yoshida and T Okuda. Tannins of Euphobiaceous plants. XIII. New hydrolyzable tannins having phloroglucinol residue from *Glochidion rubrum* Blume. *Chem. Pharm. Bull.*, 43, 2088-2090 (1995). (SCI)
2. **LG Chen**, YN Lo and LL Yang. Quantitative analysis of atractylenolide III in *Atractylodes ovata* by HPLC, *Formosa Sci.*, 50, 154-167 (1997).
3. YB Ho, **LG Chen** and LL Yang. Analysis of anti-HIV principle-gemin D in flora of Taiwan. *Formosa Sci.*, 51(1), 1-14 (1998).
4. **LG Chen**, LL Yang, KY Yen, T Hatano, T Okuda and T Yoshida. Macrocyclic ellagitannin dimes, cuphiins D<sub>1</sub> and D<sub>2</sub> and accompanying tannins from *Cuphea hyssopifolia*. *Phytochemistry*, 50(2), 307-312 (1999). (SCI)
5. **LG Chen**, LL Yang and KY Yen. Determination of six bioactive components in Yu-Ping-Feng-San by high-performance liquid chromatography. *Journal of Liquid Chromatography & Related Technologies*, 22(8), 1149-1159 (1999). (SCI)
6. CC Wang, **LG Chen** and LL Yang. Antitumor activity of four macrocyclic ellagitannins from *Cuphea hyssopifolia*. *Cancer Letters*, 140, 195-200 (1999). (SCI)
7. LL Yang, YN Lo and **LG Chen**. Cimifugin preparation and quantitative analysis of Saposchnikoviae Radix by HPLC. *Journal of Food and Drug Analysis*, 7(3), 191-197 (1999). (SCI)
8. CC Wang, **LG Chen** and LL Yang. Inducible nitric oxide synthase inhibitor of the Chinese herb I. *Saposhnikovia divaricata* (Turcz.) Schischk. *Cancer Letters*, 145, 151-157 (2000). (SCI)
9. CC Wang, **LG Chen** and LL Yang. Cuphiin D1, the macrocyclic hydrolyzable tannin induced apoptosis in HL-60 cell line. *Cancer Letters*, 149, 77-83 (2000). (SCI)
10. CC Wang, JE Lai, **LG Chen**, KY Yen and LL Yang. Inducible nitric oxide synthase inhibitors of Chinese herbs. Part 2: Naturally occurring furanocoumarins. *Bioorganic & Medicinal Chemistry*, 8, 2701-2707 (2000). (SCI)
11. YC Chen, SC Shen, **LG Chen**, Tony JF Lee and LL Yang. Wogonin, baicalin, and baicalein inhibition of inducible nitric oxide synthase and cyclooxygenase-2 gene expressions induced by nitric oxide synthase inhibitors and lipopolysaccharide. *Biochemical Pharmacology*, 61, 1417-1427 (2001). (SCI)

12. CC Wang, **LG Chen**, LL Yang. Camelliin B induced apoptosis in HeLa cell line. *Toxicology*, 168, 231-240 (2001). (SCI)
13. CC Wang, **LG Chen**, LL Yang. Cytotoxic Activity of Sesquiterpenoids from *Atractylodes ovata* on Leukemia cell lines. *Planta Medica*, 68, 204-208 (2002). (SCI)
14. CC Wang, **LG Chen**, LL Yang. Cytotoxic effects of cuphiin D1 on the growth of human cervical carcinoma and normal cells. *Anticancer Research*, 22, 4233-4236 (2002). (SCI)
15. CC Wang, **LG Chen**, L.L. Yang\*, In vitro immunomodulatory effects of cuphiin D<sub>1</sub> on human mononuclear cells. *Anticancer Research*, 2002,22, 4233-4236 (2002). (SCI)
16. CC Wang, YJ Huang, **LG Chen**, LT Lee, LL Yang. Inducible Nitric Oxide Synthase Inhibitors of Chinese Herbs III. *Rheum Palmatum* Linne. *Planta Medica*, 68, 867-874 (2002). (SCI).
17. LL Yang, CC Chang, **LG Chen**, CC Wang\*, Antitumor Principle Constituents of *Myrica rubra* var. *acuminata*. *Journal of Agricultural and Food Chemistry*, 51, 2974-2979(2003).(SCI)
18. Ching-Chiung Wang, Lih-Geeng Chen, Lain-Tze Lee, **Ling-Ling Yang\*** Effects of 6-Gingerol, an Antioxidant from Ginger, on Inducing Apoptosis in Human Leukemic HL-60 Cells, *In Vivo*, 17, 641-645 (2003). (SCI)
19. Ling-Ling Yang, Min-Chieh Wang, **Lih-Geeng Chen**, Ching-Chiung Wang\*, Cytotoxic Activity of Coumarins from *Cnidium monnieri* (L) Cusson on Leukemia Cell Lines, *Planta Medica*, 69,1091-1095 (2003). (SCI)
20. Guan-Cheng Huang, Ting-Yi Chien, **Lih-Geeng Chen**, Ching-Chiung Wang. Antitumor Effects of Zerumbone from *Zingiber zerumbet* in P-388D<sub>1</sub> Cells *in Vitro* and *in Vivo*. *Planta Medica*, 71, 219-224. (2005) (SCI)
21. Sung-Hui Tseng, Hsin-Hsueh Lee, **Lih-Geeng Chen**, Chih-Hsiung Wu, Ching-Chiung Wang. Effects of three purgative decoctions on inflammatory mediators. *Journal of Ethnopharmacology*, 105, 118-124 (2006) (SCI)
22. Kun-Teng Wang, **Lih-Geeng Chen**, Ling-Ling Yang, Wei-Ming Ke, Hsing-Chang Chang, and Ching-Chiung Wang. Analysis of the Sesquiterpenoids in Processed *Atractylodis* Rhizoma. *Chem. Pharm. Bull.* 55, 50-56. (2007). (SCI)
23. Guan-Cheng Huang, Lien-Sheng Wu, **Lih-Geeng Chen**, Ling-Ling Yang, Ching-Chiung Wang. Immuno-enhancement effects of Huang Qi Liu Yi Tang in a murine model of cyclophosphamide-induced leucopenia. *Journal of Ethnopharmacology*, 109, 29-235. (2007) (SCI)

24. **Lih-Geeng Chen**, Ling-Ling Yang, Ching-Chiung Wang. Anti-Inflammatory Activity of Mangostins from *Garcinia mangostana*. **Food and Chemical Toxicology**. 46, 688-693. (2008) (SCI)
25. **Lih-Geeng Chen**, Yen-Chin Liu, Chia-Wen Hsieh, Being-Chyuan Liao and Being-Sun Wung.\* Tannin 1-alpha-*O*-galloylpunicalagin induces the calcium-dependent activation of endothelial nitric-oxide synthase via the phosphatidylinositol 3-kinase/Akt pathway in endothelial cells. **Molecular Nutrition and Food Research**. 52, 1162-1171 (2008). (SCI).
26. T.Y. Chien, **L.G. Chen**, C.J. Lee, F.Y. Lee and C.C. Wang.\*Anti-inflammatory constituents of *Zingiber zerumbet*. **Food Chemistry**. 10, 584-589 (2008). (SCI)
27. **Lih-Geeng Chen**, Liang-Yi Hung, Kun-Wei Tsai, Ying-Shia Pan, Yi-Da Tsai, Yi-Wen Liu.\* Wogonin, a bioactive flavonoid in herbal tea, inhibits inflammatory cyclooxygenase-2 gene expression in human lung epithelial cancer cells. **Molecular Nutrition and Food Research**, 52, 1349-1357 (2008). (SCI)
28. **Lih-Geeng Chen**, Ching-Chiung Wang\*. Preparative separation of oligostilbenes from *Vitis thunbergii* var. *taiwaniana* by centrifugal partition chromatography followed by Sephadex LH-20 column chromatography. **Separation and Purification Technology**, 66, 65-70 (2009). (SCI)
29. **Lih-Geeng Chen**, Wen-Tsung Huang, Lain-Tze Lee, Ching-Chiung Wang. Ellagitannins from *Terminalia calamansanai* induced apoptosis in HL-60 cells. **Toxicology in Vitro**, 23, 603-609 (2009). (SCI).
30. **Lih-Geeng Chen**, Wei-Ling Chang, Chia-Jung Lee, Lain-Tze Lee, Chwen-Ming Shih, Ching-Chiung Wang.\* Melanogenesis Inhibition by Gallotannins from Chinese Galls in B16 Mouse Melanoma Cells. **Biological & Pharmaceutical Bulletin**, 32, 1447-1452 (2009). (SCI)
31. Jung-Chu Cheng, Lou-Sing Kan, Jhih-Ting Chen, **Lih-Geeng Chen**, Hung-Chih Lu, Shu-Mei Lin, Shih-Hao Wang, Kin-Hsing Yang, Robin Y.-Y. Chiou.\* Detection of cyanidin in different-colored peanut testae and identification of peanut cyanidin 3-sambubioside. **Journal of Agricultural and Food Chemistry**, 57, 8805-8811 (2009). (SCI)
32. Ming-Ho Chen, Qwa-Fun Wang, **Lih-Geeng Chen**, Jia-Jen Shee, Jung-Chou Chen, Ke-Yu Chen, Shu-Hsin Chen, Jyan-Gwo J. Su, Yi-Wen Liu.\* The inhibitory effect of *Gynostemma pentaphyllum* on MCP-1 and type I procollagen expression in rat hepatic stellate cells. **Journal of Ethnopharmacology**, 126, 42-49 (2009). (SCI)
33. Kun-Teng Wang, Lih-Geeng Chen, Chih-Hsiung Wu, Chun-Chao Chang, Ching-Chiung Wang. Gastroprotective activity of atractylenolide III from *Atractylodes ovata* on ethanol-induced gastric ulcer in vitro and in vivo. **Journal of Pharmacy and Pharmacology**, 62(3), 381-388



(2010) (SCI)

34. Ching-Ruey Hsieh, Pi-Ju Yu, **Lih-Geeng Chen**, Shu-Miaw Chaw, Chun-Chao Chang, Ching-Chiung Wang. Cytotoxic constituents of *Hydrangea angustipetala* on human gastric carcinoma cells. **Botanical Studies**, 51: 45-51 (2010). (SCI)
35. Chung-Kwe Wang, **Lih-Geeng Chen**, Chi-Luan Wen, Wen-Chi Hou, Ling-Fang Hung, Shish-Jung Yen, Yi-Jyun Shen, Shyr-Yi Lin, Yu-Chih Liang. Neuroprotective activity of *Vitis thunbergii* var. *taiwaniana* extracts in vitro and in vivo. **Journal of Medicinal Food**, 13(1), 170-178 (2010). (SCI)
36. Kun-Teng Wang, **Lih-Geeng Chen**, Duen-Suey Chou, Wen-Li Liang, Ching-Chiung Wang. Anti-oxidative Abilities of Essential Oils from *Atractylodes ovata* Rhizome. **Evidence-based Complementary and Alternative Medicine** doi: 10.1093/ecam/nea006 (2010). (SCI)
37. Chia-Jung Lee, **Lih-Geeng Chen**, Wen-Li Liang, Ching-Chiung Wang.\* Anti-inflammatory Effects of *Punica granatum* Linne in Vitro and in Vivo. **Food Chemistry**, 118, 315-322 (2010). (SCI)
38. Shu-Mei Lin, Bo-Hong Lin, Wan-Mei Hsieh, Huey-Jiun Ko, Chi-Dong Liu, **Lih-Geeng Chen**, And Robin Y.-Y. Chiou.\* Structural Identification and Bioactivities of Red-Violet Pigments Present in *Basella alba* Fruits. **Journal of Agricultural and Food Chemistry**, DOI:10.1021/jf1017719 (2010). (SCI)
39. Chia-Jung Lee, **Lih-Geeng Chen**, Ting-Lin Chang, Wei-Ming Ke, Ying-Fei Lo, Ching-Chiung Wang. The correlation between skin-care effects and phytochemical contents in Lamiaceae plants. **Food Chemistry**, 124, 833-841 (2011). (SCI)
40. Kun-Teng Wang, **Lih-Geeng Chen**, Sung-Hui Tseng, Jung-Shan Huang, Ming-Shium Hsieh, and Ching-Chiung Wang. Anti-inflammatory effects of resveratrol and oligostilbenes from *Vitis thunbergii* var. *taiwaniana* against lipopolysaccharide-induced arthritis. **Journal of Agricultural and Food Chemistry**, 59(8):3649-56. (2011). (SCI)
41. YS Lin, YL Lu, GJ Wang, **LG Chen**, CL Wen, WC Hou. Ethanolic Extracts and Isolated Compounds from Small-Leaf Grape (*Vitis thunbergii* var. *taiwaniana*) with Antihypertensive Activities. **Journal of Agricultural and Food Chemistry**, 60, 7435–7441 (2012). (SCI)
42. SH Tseng, HC Sung, **LG Chen**, YJ Lai, KT Wang, CH Sung, CC Wang. Effects of velvet antler with blood on bone in ovariectomized rats. **Molecules**, 17, 10574-85 (2012). (SCI)
43. C-H Liu, M-F Chen, T-L Tseng, **L-G Chen**, J-S Kuo, Tony J-F Lee. Oroxylin A, but not vasopressin, ameliorates cardiac dysfunction of endotoxemic rats. **Evidence-Based Complementary and Alternative Medicine**, 2012, Article ID 408187 (2012). (SCI)
44. SS Wu, **LG Chen**, RJ Lin, SY Lin, YE Lo, YC Liang. Cytotoxicity of (-)-vitisin B in human leukemia cells. **Drug and Chemical Toxicology**, 36, 313-319 (2013). (SCI)

45. CY Lo, LC Hsu, MS Chen, YJ Lin, **LG Chen**, CD Kuo, JY Wu. Synthesis and anticancer activity of a novel series of 9-O-substituted berberine derivatives: A lipophilic substitute role. **Bioorganic Medical Chemistry Letters**, 23, 305-309 (2013). (SCI)
46. Chi-Chen Lu, Mei-Yi Lin, Syue-Yi Chen, Cheng-Huang Shen, **Lih-Geeng Chen**, Hsiao-Yen Hsieh, Michael WY Chan, Cheng-Da Hsu. The investigation of a traditional Chinese medicine, Guizhi Fuling Wan (GFW) as an intravesical therapeutic agent for urothelial carcinoma of the bladder. **BMC Complementary and Alternative Medicine**, 13, 44 (2013) (SCI)
47. Tu-Fa Lien, Kou-Joong Lin, Ling-Ling Yang, **Lih-Geeng Chen**. Effects of supplemental levels of Bazhen on growth performances, serum traits, immunity, meat quality and antioxidant activity of Taiwan country chickens. **Asian-Aust. J. Anim. Sci.**, 26(5):675-682 (2013).
48. Ching-Fent Tsai, Kun-Teng Wang, **Lih-Geeng Chen**, Chia-Jung Lee, Sung-Hui Tseng, Ching-Chiung Wang. Anti-Inflammatory Effects of *Vitis thunbergii* var. *taiwaniana* on Knee Damage Associated with Arthritis. **Journal of Medicinal Food**, 17(4): 479-486 (2014). (SCI)
49. Sung-Hui Tseng, Chun-Hsien Sung, **Lih-Geeng Chen**, Ying-Jang Lai, Wei-Shun Chang, Hsin-Ching Sung, Ching-Chiung Wang. Comparison of chemical compositions and osteoprotective effects of different sections of velvet antler. **Journal of Ethnopharmacology**, 151, 352–360 (2014) (SCI)
50. Tsung-Teng Huang, Hsin-Chih Lai, Young-Bin Chen, **Lih-Geeng Chen**, Yi-Hui Wu, Yun-Fei Ko, Chia-Chen Lu, Chih-Jung Chang, Cheng-Yeu Wu, Jan Martel, David M Ojcius, Kowit-Yu Chong, John D Young (2014, Oct). cis-Resveratrol produces anti-inflammatory effects by inhibiting canonical and non-canonical inflammasomes in macrophages. *Innate Immunity*, 20(7), 735-50.
51. 陳皇丞, 林正斌, 李姿蓉, 侯金日, 陳立耿. 臺灣紫色狼尾草抗氧化能力之研究. **中華民國雜草學會會刊**, 35( 1), 46-61 (2014).
52. 李互暉, 廖芸郁, 蔡依錦, 劉奎均, 陳立耿, 鄭可大. 以細胞模式篩選可能抑制骨質疏鬆的植株萃取物. **嘉大農林學報**, 11(1), 65 – 74 (2014).
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