

Prof. Ling Ling Yang, PhD

**Affiliation:**

1. **Professor:** Department of Pharmacognosy, School of Pharmacy, College of Pharmacy, and College of Medicine, Taipei Medical University (1985---present)
2. **Director Professor:** Graduate Institute of Pharmacognosy, Taipei Medical College (New Institute since 1992)( 1992-2000)
3. **Director Professor:** Biotechnology School of Pharmacognosy, Taipei Medical University(1998-2000) (New School since 1998)
4. **Professor:** Department of Chemistry, College of Science ,Dan-Chian University (2004---present)
5. **Professor:** National Chiayi University(2000—2004) ( established a new National University at Chiayi City by Ministry of Education since 2000)
6. **Dean of the Life Science College:** National Chiayi University (2000-2004)
7. **Director Professor:** Graduate Institute of Biotechnology Science and Department of Bio-molecular and Biochemistry, College of Life Science, National Chiayi University (New Institute and Department since 2000) (2000—2002)
8. **Director professor:** Department of Applied Microbiology, College of Life Science, National Chiayi University. (New department since 2002) (2002-2003)
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10. **Visiting Professor:** National Tohoku University, Japan (1984)
11. **Visiting Professor :** Nagoya City University (1989)
12. **Associat Professor :** School of Pharmacy, Taipei Medical College (1979—1985)
13. **Instructor :** School of Pharmacy, Taipei Medical College (1974-1979)
14. **Assistant:** School of Pharmacy, Taipei Medical College (1969-1974)

**RESUME:**

1. Committee on Chinese Medicine and Pharmacy, Department of Health, R.O.C. (1995-present)
2. Committee of Chinese Medicine Evaluator, Department of Health.R.O.C.(1985—1995)
3. Committee on Medical Science Education, Ministry of Education, R.O.C. (2004-present)
4. Director of Scientific Board, Taiwan Sugar Corporation Department of Economic R.O.C.(2004-2006)
5. Direct Board of Zan Hsin Education and Culture Foundation, Taiwan, R.O.C. (2004 –present)

6. Endowed Professor, Topnotch Stroke Research Center, and Doctor Chi-Chin Huang Stroke Research Center, Taipei Medical University, Taipei Medical University, Taipei, Taiwan (August, 2004-Present) (Taipei City)
7. Consultants of Tanan County, Chiayi county and Chiayi City, Taiwan, R.O.C. (2000-2004)
8. The PI of the e-learning of Traditional Medicine Course for high school and elementary school on the national website (<http://health.edu.tw/health/>) ([http://health.edu.tw/health/portal\\_kids/herbalist](http://health.edu.tw/health/portal_kids/herbalist)) of Ministry of Education, R.O.C. (2003—present) (It is the first web in the world by Taiwan government and the abstract shows as below)

Herbal medicines are very popular taken in dietary and tonic food by eastern country people. Since 5,000 years ago, eastern traditional medicine has been practical used in China for disease prevent and treatment. Most of the theory is accumulated from the experience and some of the ethnomedicine. Recently, the natural therapy is very commonly used by clinical doctors in the world. And the biotechnological research papers were published in LAN cent and many Medicinal Journals. The education and research are more important than the western medicine. For the western medicine has a systematic teaching course in medical school. Therefore, how to remind the people which should be comprehended according to traditional Chinese Medicine and avoid confusing and easy understanding courses were necessary works for today's education. E-learning course is a convenient, high speed spreading teaching to the whole world. In this study, we have created a new teaching platform of traditional medicine that can help people easily to learn traditional medicine in entire life. The references of traditional medicine were collected and edited into digital lesson plans, such as VCR, games, or flashed cartoons. The diversification of digital lesson plans can help people learning the traditional medicine easily. Moreover, the e-learning teaching method can let a lot of people to obtain the information by networks, and learn how correctly used the herbal medicine in daily foods. In this course, the contents of the e-learning were suitable for the elementary schools to undergraduate schools, and everyone who is interesting in traditional medicine. In summary, the digital lesson plans of traditional medicine offered a good method to teach and learn traditional medicine.

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### **Academic Qualifications:**

B.Sc. School of Pharmacy, Taipei Medical College, Taipei, Taiwan (1965-1969)

Ph.D. College of Pharmacy, Nagoya City University, Nagoya, Japan (1985-1989)

### **Awards:**

Ten outstanding women in Republic of China (1987)

Du Tsuan Ming's (杜聰明) Outstanding Scientific Researcher Award in Taiwan (1991)

### **Employment:**

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### **Publications in Refereed Journals** ( Only select a part of 1988-present)

1. Yien-Bing Ho, Lih-Geeng Chen and Ling-Ling Yang.\* 1998, Analysis of anti-HIV principle-gemin D in flora of Taiwan, *Journal of The Formosan Science*, 51(1), 1-14.
2. Lih-Geeng Chen, Kun-Ying Yen, Ling-Ling Yang,\* Tsutomu Hatano, Takuo Okuda and Takashi Yoshida. 1999, Macrocyclic ellagitannin dimers, cuphiin D<sub>1</sub> and D<sub>2</sub>, and accompanying tannins from *Cuphea hyssopifolia*. *Phytochemistry*, 50(2), 307-312. (SCI)
3. Yoshiaki Amakura, Masao Miyake, Hideyuki Ito, Satomi Murakaku, Sachiko Araki, Yasuyo Itoh, Che-Feng Lu, Ling-Ling Yang, Kun-Ying Yen, Takuo Okuda and Takashi Yoshida. 1999, Acalyphidins M<sub>1</sub>, M<sub>2</sub> and D<sub>1</sub>, ellagitannins from *Acalypha hispida*. *Phytochemistry*, 50(4), 667-675. (SCI)
4. Lih-Geeng Chen, Kun-Ying Yen, Ling-Ling Yang.\* 1999, Determination of six pharmacological principles in Yu-Ping-Feng San. *Journal of Liquid Chromatography & Related Technologies*, 22(8), 1149-1159. (SCI)

5. Ching-Chiung Wang, Lih-Geeng Chen, Ling-Ling Yang. \* 1999, Inducible nitric oxide synthase inhibitor of the Chinese herb. I *Saposhnikovia divaricata* (Turcz.) Schischk. *Cancer-Letters* , 145, 151-157. (SCI)
6. L.-C. Chen, M.-H. Lee, M.-H. Chou , M.-F. Lin and L.-L. Yang. 1999, Pharmacokinetic study of paeoniflorin in mice after oral administration of *Paeoniae Radix* extract. *Journal of Chromatography B*, 735, 33-40. (SCI)
7. Ching-Chiung Wang, Lih-Geeng Chen and Ling-Ling Yang.\* 1999, Antitumor activity of four macrocyclic ellagitannins from *Cuphea hyssopifolia*. *Cancer Letters*, 140, 195-200. (SCI)
8. Ling Ling Yang\*, Ching Chiung Wang, Kun Ying Yen, Takashi Yoshida, Tsutomo Hatano, and Takuo Okuda. 1999, Antitumor activities of ellagitannins on tumor cell lines. *Plant Polyphenols 2: Chemistry, Biology, Pharmacology, Ecology*. Edited by Gross et al. Kluwer Academic/Plenum Publishers, New York (Book)
9. L.-C. Chen, Y.F. Chen, L. L. Yang, M. H. Chou and M. F. Lin. 2000, Drug utilization pattern of antiepileptic drugs and traditional Chinese medicines in a general hospital in Taiwan- a pharmaco-epidemiologic study. *Journal of Clinical Pharmacy and Therapeutics*, 25, 125-129. (SCI)
10. L.-L. Yang\*, C.-Y. Lee, K.-Y. Yen. 2000, Induction of apoptosis by hydrolysable tannins from *Eugenia jambos* L. on human leukemia cells. *Cancer Letters*, 157, 65-75. (SCI)
11. Ching-Chiung Wang, Lih-Geeng Chen and Ling-Ling Yang.\* 2000, Cuphiin D<sub>1</sub>, the macrocyclic hydrolyzable tannin induced apoptosis in HL-60 cell line. *Cancer letters*, 149, 77-83. (SCI)
12. Yen-Chou Chen, Tong J-F Lee and Ling Ling Yang.\* 2000, Oroxylin A inhibition of LPS-induced iNO and Cox-2 gene expressions via supression of NF-KB activation. *Biochemical Pharmacology*, 59(11), 1445-57 (SCI)
13. Ching-Chiung Wang , Ching-Hsiang Wu, Kuo-Jeng Hsieh , Kun-Ying Yen and Ling-Ling Yang\*, 2000, Cytotoxic effects of cantharidin on the growth of normal and carcinoma cells. *Toxicology*, 147, 77-87. (SCI)
14. Mei-Hsien Lee , Jwo-Farn Chiou ,Kun Ying Yen and Ling Ling Yang\*, , 2000, EBV DNA polymerase inhibition of tannins from *Eugenia uniflora*. *Cancer letters*, 154(2), 131-136. (SCI)
15. Michiho Ito, Fumiyuki Kiuchi, Ling Ling Yang, and Gisho Honda. 2000, *Perilla citriodora* from Taiwan and Its Phytochemical Characteristics. *Biol. Pharm. Bull.* 23 (3) 359-362 (SCI)

16. Jay-Ho Chen, Hsiu-O Ho, Kun-Ying Yen and Ling Ling Yang.\* 2000, Hepatoprotection by "Dangqui-Long-Hwei-Wan" in Male Mice. *American Journal of Chinese Medicine*, 28(1), 152-121. (SCI)
17. C.C. Wang, J.E. Lai, L.G. Chen, K.Y. Yen and L.L. Yang.\* 2000, Inducible nitric oxide synthase inhibitors of Chinese herbs II. Naturally occurring furanocoumarins. *Bioorganic & Medical Chemistry*, 8, 2701-2707. (SCI)
18. C. Chen, S.C. Shen, L.G. Chen, Tony JF Lee and L.L. Yang\*. 2001, 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. (SCI)
19. C. How, Y.C. Chen, H.J. Chen, Y.H. Lin, L.L. Yang and M.H. Lee. 2001, Antioxidant activities of trypsin inhibitor, a 33 kDa root storage protein of sweet potato (*Ipomoea batatas* (L.) Lam cv. Tainong 57). *J. Agric. Food Chem.*, 49, 2978-2981. (SCI)
20. Yen-Chou Chen, Shing-Chuan Shen, Woan-Rouh Lee, Wen-Chi Hou, Ling-Ling Yang and Tony JF Lee. 2001, Inhibition of NOS inhibitors and lipopolysaccharide induced inducible nitric oxide synthase and cyclooxygenase 2 gene expressions by rutin, quercetin, and quercetin pentaacetate in RAW264.7 macrophages. *Journal of Cellular Biochemistry*, 82, 537-548. (SCI)
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22. C.C. Wang, L.G. Chen, L.L. Yang\*. 2001, Camelliin B induced apoptosis in HeLa cell line. *Toxicology*, 168, 231-240. (SCI)
23. WC Hou, HJ Chen, YH Lin, YC Chen, LL Yang, MH Lee. 2001, Activity staining of isocitrate lyase after electrophoresis on either native or sodium dodecylsulfate polyacrylamide gels. *Electrophoresis*, 22, 2653-2655. (SCI)
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26. SC Shen, WR Lee, HY Lin, HC Huang, CH Ko, LL Yang, YC Chen\*. 2002, In vitro and in vivo inhibitory activities of rutin, wogonin, and quercetin on lipopolysaccharide-induced nitric oxide and prostaglandin E<sub>2</sub> production. *Eur J Pharmacol*, 446, 187-194. (SCI)

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29. YC Chen, SC Shen, WR Lee, HY Lin, CK Ko, CM Shih, LL Yang. 2002, Wogonin and fisetin induction of apoptosis through activation of caspase 3 cascade and alternative expression of p21 protein in hepatocellular carcinoma cells SK-HEP-1. *Arch Toxicol*, 76, 351-359. (SCI)
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31. Ling-Ling Yang, Chia-Chen Chang, Ching-Chiung Wang\*, Extract of *Myrica rubra* var. *acuminata* Induced Apoptosis in a Cervical Carcinoma Cell Line, *Nutr Sci J*, 2002, 27, 109-117.
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33. C.C. Wang, L.G. Chen, L.L. Yang. Cytotoxic effects of cuphiin D<sub>1</sub> on the growth of human cervical carcinoma and normal cells. *Anticancer Research*, 2002, 22, 2677-2684. (SCI)
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38. 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)
39. Lin YC, Yang LL(2004).ANTIVIRAL EFFECT OF NATURAL PLANTS ON FISH VIRUSES. *Journal of Formosa Science*.(55):1-20.
40. Lin YC, Yang LL (2004).STUDY of ANTI-LIPID PEROXIDATION EFFECT of CHINESE TRADITIONAL MEDICINAL PRESCRIPTION. *Journal of Formosa Science*.(55):22-33.
41. Yang LL, Lin YC, Liao HR, Cheng YS, Wang BC(2004).A QSAR Study on Structure and Energetic of Flavonoid Antioxidants. *Journal of Formosa Science*.(55):34-51.
42. Hsu CS, Yang JK, Yang LL (2006). Effect of "Dang-Qui-Shao-Yao-San" a Chinese medicinal prescription for dysmenorrhea on uterus contractility in vitro. *Phytomedicine*.(13):94-100. (SCI)
43. Hsien-Ren Liao, Yeong-Shen Chang, Yu-Chun Lin, Ling-Ling Yang, Tu-Ma Chou, Bo-Chen Wang. (2006) QSAR Analysis of the Lipid Peroxidation Inhibitory Activity with Structure and Energetics of 36 Flavonoids Derivatives. *J. Chin. Chem. Soc.*, Vol. 53, 6:1-11. (SCI)
44. [Huang GC](#),[Wu LS](#), [Chen LG](#), [Yang LL](#), [Wang CC](#). Immuno-enhancement effects of Huang Qi Liu Yi Tang in a murine model of cyclophosphamide-induced leucopenia. [J Ethnopharmacol](#). 2006, 109, 229-235. (SCI)
45. Lee, Hsin-Hsueh; Lin, Chi-Ting, Yang, Ling-Ling. Neuroprotection and Free Radical Scavenging Effects of *Osmanthus fragrans*. *J Biomedical Science* 2007, (accept).(SCI)
- 46.Lee, Hsin-Hsueh, Ling Ling Yang: Tangeretin Neuroprotection via Enhancement of GABA<sub>A</sub> Receptor, *J.Neuropharmacology* (Review)(SCI)
- 47.Lee, Hsin-Hsueh, Ling Ling Yang Protective Effects of Rice Extracts on Chemicals Induced Neurotoxicity in Primary Cortical Neuron *Food and Chemical Toxicology* (SCI) (Review)
48. Hsin-Hsueh Lee, Yu-Chun Lin, Ying-Chen Lin, and Ling-Ling Yang<sup>1</sup> Effects of Chinese Medicinal Prescription- Huan-Lian Jie-Du-Tang (Oren-gedoku-to) on Radical Scavenging and Brain Lipid Peroxidation , *Biological Pharmaceutica Bulletin* (SCI) (summitted)