

一、基本資料

姓名	施元薇	
職級 (含取得職級時間)	副字第 141498 號 民國 104 年 12 月	
校內分機	428	
研究室	蛋白質體研究室	
最高學歷	私立嘉南藥理科技大學 生物科技研究所碩士 私立中山醫學院 營養學系學士	
專業證照 (號碼)	1. 國家醫事檢驗師證照(檢字第 5691 號)、 2. 國家專技高考營養師證照(營養字第 003263 號) 3. 食品安全管制系統基礎訓練合格證書(食安證字第 A1060919142030 號) 4. 食品安全管制系統進階訓練合格證書(食安證字第 B1061106174013 號)	
專長	營養學、膳食設計與實驗、居家營養照護、生物技術、中草藥萃取應用與開發技術、機能性食品、基因轉殖技術	
研究領域	抗癌及抗轉移之研究	
其他		

期刊論文 (Refereed Papers)

1. Ming-Der Shi, Cheng-Kai Shiao, Yi-Chieh Lee, **Yuan-Wei Shih***. Apigenin, a dietary flavonoid, inhibits proliferation of human bladder cancer T-24 cells via blocking cell cycle progression and inducing apoptosis. *Cancer Cell International* 2015, 15: 33. [SCI, Impact factor: 2.766, Ranking in Oncology: 112/211] (通訊作者)
2. Shang-Tao Chien, Ming-Der Shi, Yi-Chieh Lee, Chou-Chia Te, **Yuan-Wei Shih***. Galangin, a novel dietary flavonoid, attenuates metastatic feature via PKC/ERK signaling pathway in TPA-treated liver cancer HepG2 cells. *Cancer Cell International* 2015, 15: 15. [SCI, Impact factor: 2.766, Ranking in Oncology: 112/211] (通訊作者)
3. Kun-Shiang Chen, Ming-Der Shi, Chi-Sheng Chien, **Yuan-Wei Shih***. Pinocembrin suppresses TGF- β 1-induced epithelial-mesenchymal transition and metastasis of human Y-79 retinoblastoma cells through inactivating α v β 3 integrin/FAK/p38 α signaling pathway. *Cell & Bioscience* 2014, 4: 41 [SCI, Impact factor: 3.630, Ranking in Biology: 89/289] (通訊作者)

4. Su-Hsuan Lin, **Yuan-Wei Shih***. Antitumor effects of the flavone chalcone: inhibition of invasion and migration through the FAK/JNK signaling pathway in human gastric adenocarcinoma AGS cells. *Molecular and Cellular Biochemistry* 2014, 391: 47-58. [SCI, Impact factor: 2.393, Ranking in Cell biology 126/184] (通訊作者)
5. Ming-Der Shi, Yi-Chen Liao, **Yuan-Wei Shih**, Li-Yu Tsai. Nobiletin attenuates metastasis via both ERK and PI3K/Akt pathways in HGF-treated liver cancer HepG2 cells. *Phytomedicine* 2013, 20: 743-752 [SCI, Impact factor: 3.126, Ranking in Intergrative & Complementary Medicine: 2/24] (第三作者)
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7. Pin-Shern Chen, **Yuan-Wei Shih**, Hsiang-Ching Huang, Hsing-Wen Cheng. Diosgenin, a steroidal saponin, inhibits migration and invasion of human prostate cancer PC-3 cells by reducing matrix metalloproteinases expression. *PLoS One* 2011, 6: e20164. [SCI, Impact factor: 3.234, Ranking in Multidisciplinary Science: 8/56] (第二作者)
8. Yu-Lin Yang, Hong-Zen Ju, Shu-Fen Liu, Tao-Chen Lee, **Yuan-Wei Shih**, Lea-Yea Chuang, Jinn-Yuh Guh, Ya-Ying Yang, Tung-Nan Liao, Min-Yuan Hung. BMP-2 suppresses renal interstitial fibrosis by regulating epithelial-mesenchymal transition. *Journal of Cellular Biochemistry* 2011, 112: 2558-2565. [SCI, Impact factor: 3.263, Ranking in Biochemistry & Molecular Biology: 107/289] (第五作者)
9. Jiunn-Min Shieh, Tsan-Hwang Cheng, Ming-Der Shi, Pei-Fen Wu, Yi Chen, Shian-Chin Ko, **Yuan-Wei Shih***. α -Tomatine suppresses invasion and migration of human non-small cell lung cancer NCI-H460 cells through inactivating FAK/PI3K/Akt signaling pathway and reducing binding activity of NF- κ B. *Cell Biochemistry and Biophysics* 2010, 60: 297-310. [SCI, Impact factor: 1.680, Ranking in Biophysics: 54/73] (通訊作者)
10. Shang-Tao Chien, Su-Shun Lin, Cheng-Kun Wang, Yuan-Bin Lee, Kun-Shiang Chen, Yao Fong, **Yuan-Wei Shih***. Acacetin inhibits the invasion and migration of human non-small cell lung cancer A549 cells by suppressing the p38 α MAPK signaling pathway. *Molecular and Cellular Biochemistry* 2010, 350: 135-148. [SCI, Impact factor: 2.393, Ranking in Cell biology 126/184] (通訊作者)
11. Yi-Chieh Lee, Tsan-Hwang Cheng, Jung-Shin Lee, Jiun-Hwan Chen, Yi-Chen Liao, Yao Fong, Cheng-Hsun Wu, **Yuan-Wei Shih***. Nobiletin, a citrus flavonoid, suppresses invasion and migration involving FAK/PI3K/Akt and small GTPase signals in human gastric adenocarcinoma AGS cells. *Molecular and Cellular Biochemistry* 2011, 347: 103-115. [SCI, Impact factor: 2.393, Ranking in Cell biology 126/184] (通訊作者)
12. Cheng-Hsun Wu, **Yuan-Wei Shih**, Chun-Hua Chang, Ting-Tsz Ou, Chi-Chou Huang, Jeng-Dong Hsu, Chau-Jong Wang. EP4 upregulation of Ras signaling and feedback regulation of Ras in human colon tissues and cancer cells. *Archives of Toxicology* 2010, 84: 731-740. [SCI, Impact

factor: 5.980, Ranking in Toxicology: 6/87] (第二作者)

13. **Yuan-Wei Shih**, Shang-Tao Chien, Pin-Shern Chen, Jian-Hui Lee, Shu-Hau Wu, Li-Te Yin. α -Mangostin suppresses phorbol 12-myristate 13-acetate-induced MMP-2/MMP-9 expressions via $\alpha\beta3$ integrin/FAK/ERK and NF- κ B signaling pathway in human lung adenocarcinoma A549 cells. *Cell Biochemistry and Biophysics* 2010, 58: 31-44. [SCI, Impact factor: 1.680, Ranking in Biophysics: 54/73] (第一作者)
14. Ming-Kun Lu, **Yuan-Wei Shih**, Tzu-Tsung Chang Chien, Li-Heng Fang, Hsiang-Ching Huang, Pin-Sher Chen. α -Solanine inhibits human melanoma cell migration and invasion by reducing matrix metalloproteinase-2/9 activities. *Biological and pharmaceutical bulletin* 2010, 33: 1685-1691. [SCI, Impact factor: 1.828, Ranking in Pharmacology & Pharmacy: 160/254] (第二作者)
15. Louis Kuoping Chao, Wen-Teng Chang, **Yuan-Wei Shih**, Jau-Shyang Huang. Cinnamaldehyde impairs high glucose-induced hypertrophy in renal interstitial fibroblasts. *Toxicology and Applied Pharmacology* 2010, 244: 174-180. [SCI, Impact factor: 3.705, Ranking in Toxicology: 13/87] (第三者)
16. Ming-Kun Lu, Pei-Hsieng Chen, **Yuan-Wei Shih**, Ya-Ting Chang, En-Tze Huang, Cheng-Ruei Liu, Pin-Shern Chen. α -Chaconine inhibits angiogenesis *in vitro* by reducing matrix metalloproteinase-2. *Biological and pharmaceutical bulletin* 2010, 33: 622-630. [SCI, Impact factor: 1.828, Ranking in Pharmacology & Pharmacy: 160/254] (第三作者)
17. Yuan-Bing Lee, Kung-Chung Ko, Ming-Der Shi, Yi-Chen Liao, Tai-An Chiang, Pei-Fen Wu, You-Xin Shih, **Yuan-Wei Shih***. α -Mangostin, a novel dietary xanthone, suppresses TPA-mediated MMP-2 and MMP-9 expressions through the ERK signaling pathway in MCF-7 human breast adenocarcinoma cells. *Journal of Food Science* 2010, 75: H13-H23. [SCI, Impact factor: 1.696, Ranking in Food Science & Technology: 48/123] (通訊作者)
18. Jiunn-Min Shieh, Tai-An Chiang, Wen-Teng Chang, Chang-Hung Chao, Yi-Chieh Lee, Guan-Yu Huang, You-Xin Shih, **Yuan-Wei Shih***. Plumbagin inhibits TPA-induced MMP-2 and u-PA expressions by reducing binding activities of NF- κ B and AP-1 via ERK signaling pathway in A549 human lung cancer cells. *Molecular and Cellular Biochemistry* 2010, 335: 181-193. [SCI, Impact factor: 2.393, Ranking in Cell biology 126/184] (通訊作者)
19. Yaou Fong, Kun-Hung Shen, Tai-An Chiang, **Yuan-Wei Shih***. Acacetin inhibits TPA-induced MMP-2 and u-PA expressions of human lung cancer cells through inactivating JNK signaling pathway and reducing binding activities of NF- κ B and AP-1. *Journal of Food Science* 2010, 75: H30-H38. [SCI, Impact factor: 1.696, Ranking in Food Science & Technology: 48/123] (通訊作者)
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- Antimetastatic potential of fisetin involves inactivation of the PI3K/Akt and JNK signaling pathways with downregulation of MMP-2/9 expressions in prostate cancer PC-3 cells. *Molecular and Cellular Biochemistry* 2010, 333: 169-180. [SCI, Impact factor: 2.393, Ranking in Cell biology 126/184] (通訊作者)
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23. **Yuan-Wei Shih**, Yi-Chieh Lee, Pei-Fen Wu, Yuan-Bing Lee, Tai-An Chiang. Plumbagin inhibits invasion and migration of liver cancer HepG2 cells by decreasing productions of matrix metalloproteinase-2 and urokinase-plasminogen activator. *Hepatology Research* 2009, 39: 998-1009. [SCI, Impact factor: 2.735, Ranking in Gastroenterology & Hepatology 35/76] (第一作者)
24. Hui-Pei Huang, **Yuan-Wei Shih**, Cheng-Hsun Wu, Po-Ju Lai, Chi-Nan Hung, Chau-Jong Wang. Inhibitory effect of penta-acetyl geniposide on C6 glioma cells metastasis by inhibiting matrix metalloproteinase-2 expression involved in both the PI3K and ERK signaling pathways. *Chemico-Biological Interactions* 2009, 181: 8-14. [SCI, Impact factor: 2.577, Ranking in Pharmacology & Pharmacy 110/254] (第二作者)
25. **Yuan-Wei Shih**, Jiunn-Min Shieh, Pei-Fen Wu, Yi-Chieh Lee, Yi-Zhi Chen, Tai-An Chiang. α -Tomatine inactivates PI3K/Akt and ERK signaling pathways in human lung adenocarcinoma A549 cells: effect on metastasis. *Food and Chemical Toxicology* 2009, 47: 1985-1995. [SCI, Impact factor: 2.895, Ranking in Food Science & Technology: 14/123] (第一作者)
26. **Yuan-Wei Shih**, Pei-Fen Wu, Yi-Chieh Lee, Ming-Der Shi, Tai-An Chiang. Myricetin suppresses invasion and migration of human lung adenocarcinoma A549 cells: possible mediation by blocking the ERK signaling pathway. *Journal of Agricultural and Food Chemistry* 2009, 57: 3490-3499. [SCI, Impact factor: 2.912, Ranking in Agriculture, multidisciplinary: 2/56] (第一作者)
27. Shun-Hsing Hung, Kun-Hung Shen, Cheng-Hsun Wu, Chang-Liang Liu, **Yuan-Wei Shih***. α -Mangostin suppresses PC-3 human prostate carcinoma cell metastasis by inhibiting matrix metalloproteinase-2/9 and urokinase-plasminogen expression through the JNK signaling pathway. *Journal of Agricultural and Food Chemistry* 2009, 57: 1291-1298. [SCI, Impact factor: 2.912, Ranking in Agriculture, multidisciplinary: 2/56] (通訊作者)
28. Hui-Pei Huang, **Yuan-Wei Shih**, Yun-Ching Chang, Chi-Nan Hung, Chau-Jong Wang. Chemoinhibitory effect of mulberry anthocyanins on the melanoma metastasis involved in the Ras/PI3K pathway. *Journal of Agricultural and Food Chemistry* 2008, 56: 9286-9293. [SCI, Impact factor: 2.912, Ranking in Agriculture, multidisciplinary: 2/56] (第二作者)
29. Li-Kaung Liu, Huei-Jane Lee, **Yuan-Wei Shih**, Chi-Ching Chyau, Chau-Jong Wang. Mulberry anthocyanin extract inhibits LDL oxidation and macrophage-derived foam cell formation

induced by oxidative LDL. *Journal of Food Science* 2007, 73: H113-H121. [SCI, Impact factor: 1.696, Ranking in Food Science & Technology: 48/123] (第三作者)

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1. Ming-Der Shi, **Yuan-Wei Shih***. Study on the antiproliferative activity of tricetin in human prostate cancer cell line DU145. (Poster NO: P-1). The 29th Symposium on Natural products, Kaohsiung, Taiwan, ROC, 2014.
2. Shang-Tao Chien, **Yuan-Wei Shih***. Inhibitory effect and mechanism of galangin on TPA-promoted human HepG2 liver cancer cells invasion and migration. (Poster NO: P-2). The 29th Symposium on Natural products, Kaohsiung, Taiwan, ROC, 2014.
3. **Yuan-Wei Shih***. α -Tomatine suppresses invasion and migration of human non-small cell lung cancer NCI-H460 cells through inactivating FAK/PI3K/Akt signaling pathway and reducing binding activity of NF- κ B. (Poster NO: P-93). The 21th Symposium on Recent Advances in Cellular and Molecular Biology, Pingtung, Taiwan, ROC, 2013.
4. **Yuan-Wei Shih***. Acacetin inhibits the invasion and migration of human non-small cell lung cancer A549 cells by suppressing the p38 α MAPK signaling pathway. (Poster NO: P-2). The 27th Symposium on Natural products, Kaohsiung, Taiwan, ROC, 2012.
5. **Yuan-Wei Shih***. α -Tomatine suppresses invasion and migration of human non-small cell lung cancer NCI-H460 cells through inactivating FAK/PI3K/Akt signaling pathway and reducing binding activity of NF- κ B. (Poster NO: P-3). The 27th Symposium on Natural products, Kaohsiung, Taiwan, ROC, 2012.
6. Kun-Shiang Chen, **Yuan-Wei Shih***. Acacetin inhibits TPA-induced MMP-2 and u-PA expressions of human lung cancer cells through inactivating JNK signaling pathway and reducing binding activities of NF- κ B and AP-1. (Poster NO: P-2). The 25th Symposium on Natural products, Pingtung, Taiwan, ROC, 2010.
7. Kun-Shiang Chen, **Yuan-Wei Shih***. Nobiletin-reduced metastasis involves FAK/PI3K/Akt and small GTPase signals in human gastric adenocarcinoma AGS cells. (Poster NO: P-3). The 25th Symposium on Natural products, Pingtung, Taiwan, ROC, 2010.
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9. Kun-Shiang Chen, **Yuan-Wei Shih***. Plumbagin inhibits TPA-induced MMP-2 and u-PA expressions by reducing binding activities of NF- κ B and AP-1 via ERK signaling pathway in A549 human lung

- cancer cells. (Poster NO: P-5). The 25th Symposium on Natural products, Pingtung, Taiwan, ROC, 2010.
10. Yaou Fong, Kun-Hung Shen, **Yuan-Wei Shih***. α -Mangostin suppresses PMA-induced invasion and migration via $\alpha v\beta 3$ integrin/FAK/ERK and NF- κ B signaling pathway in human lung adenocarcinoma A549 cells (Poster NO: P-5). The 25th Joint Annual Conference of Biomedical Science, Taipei, Taiwan, ROC, 2010.
 11. Yuan-Bing Lee, Ming-Der Shi, **Yuan-Wei Shih***. Study of the inhibitory effect and mechanism of α -mangostin on the invasion and migration of MCF-7 human breast adenocarcinoma cells. (Poster NO: P-6). The 25th Joint Annual Conference of Biomedical Science, Taipei, Taiwan, ROC, 2010.
 12. **Yuan-Wei Shih***, Pei-Fen Wu, Yi-Chieh Lee, Ming -Der Shi, Yi-Zhi Chen, Tai-An Chiang. Myricetin suppresses invasion and migration of human lung adenocarcinoma A549 cells: possible mediation by blocking the ERK signaling pathway. (Poster NO: P-72). The 24th Symposium on Natural products, Kaohsiung, Taiwan, ROC, 2009.
 13. Yi-Zhi Chen, Shun-Hsing Hung, **Yuan-Wei Shih***. α -Mangostin suppresses PC-3 human prostate carcinoma cells metastasis by inhibiting matrix metalloproteinase-2/9 and urokinase-plasminogen activator expression through the JNK signaling pathway. (Poster NO: P-73). The 24th Symposium on Natural products, Kaohsiung, Taiwan, ROC, 2009.
 14. **Yuan-Wei Shih**, Pin-Shern Chen, Ya-Fang Jeng, Chau-Jong Wang. α -Chaconine inhibits cell metastasis involves with inactivation of PI3K/Akt/NF- κ B signaling pathway. (Poster NO: P771). The 23th Joint Annual Conference of Biomedical Science, Taipei, Taiwan, ROC, 2008.
 15. **Yuan-Wei Shih**, Pin-Shern Chen, Chau-Jong Wang. α -Chaconine inhibits cell metastasis involves with inactivation of PI3K/Akt/NF- κ B signaling pathway. (Poster NO: C-02). The 45th Joint Annual Conference of Agricultural chemistry, Taipei, Taiwan, ROC, 2007.
 16. **Yuan-Wei Shih**, Pin-Shern Chen, Ya-Fang Jeng, Chau-Jong Wang. Inhibitory effect and mechanism of α -chaconine on the invasion and migration of human lung adenocarcinoma cells. (Poster NO: PA-004). The 5th Symposium on Health Food Society of Taiwan, Taipei, ROC, 2007.

學術專(著)書

Yu-Lin Yang, Wen-Teng Chang, **Yuan-Wei Shih**. Gene Therapy Using RNAi. *GENE THERAPY* 2011. Gene Therapy-Developments and Future Perspectives, Kang C. (Ed.), ISBN: 978-953-307-617-1, In-Tech Education and Publishing, Austria.