



淨業三福：

一者，孝養父母、奉事師長、
慈心不殺、修十善業。

二者，受持三皈、聚足眾戒、
不犯威儀。

三者，發菩提心、深信因果、
讀誦大乘、勸進行者。

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現任

- 國立嘉義大學 生命科學院 微生物免疫與生物藥學系 教授 (2013 / 08-迄今)
- Nutrients 期刊 Special Issue “Nutritional, Metabolic, and Dietary Regulation of Cellular Senescence and Aging: Roles of Bioactive Compounds” Guest Editor 客座編輯 (2026/04/21-2026/11/25)
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Special Issue

Nutritional, Metabolic, and Dietary Regulation of Cellular Senescence and Aging: Roles of Bioactive Compounds

Guest Editor
Prof. Dr. Ching-Hsein Chen

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學歷

- 國立台灣大學醫學院生化學研究所博士(2001)
- 台北醫學院天然物醫學所碩士(1994)
- 高雄醫學院藥學系學士(1992)

榮譽

- 榮獲 99~103 年度科技部補助大專校院獎勵特殊優秀人才

歷屆指導的專題研究生畢業後就讀的研究所

115 級	陳姮靜	陽明交通大學	生物藥學研究所
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	陳柏睿	成功大學	食品衛生暨風險管理研究所
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	黃鉞惠	成功大學	生物科技與產業科學研究所
	黃柏憲	成功大學	臨床藥學與藥物科技研究所
106 級	趙緯忠	陽明交通大學	藥理學研究所
	張育豪 (生化系)	成功大學	醫學檢驗生物技術學研究所
105 級	李其桓 (生化系)	陽明交通大學	生物醫學資訊所
	吳予 (生化系)	成功大學	臨床醫學研究所
99 級	林婉蓁	嘉義大學	微生物免疫與生物藥學系碩士班

經歷

- Nutrients 期刊 Special Issue “Anticancer Activities of Dietary Phytochemicals: 2nd Edition” Guest Editor 客座編輯 (2024/09/11-2026/04/05)

https://www.mdpi.com/journal/nutrients/special_issues/R9934CBP39

- Nutrients 期刊 Special Issue “Anticancer Activities of Dietary Phytochemicals “ 客座編輯 (2023/08/8-2024/08/25)
https://www.mdpi.com/journal/nutrients/special_issues/64AVO88A04
- 國立嘉義大學 生命科學院 微生物免疫與生物藥學系 系主任(2014 / 08-(2017 / 07)
- 科技部專題研究計畫初審委員(2015/03、2014/04、2014/03、2013/03、2011/01)
- 經濟部技術處學界開發產業技術計畫審查委員(2012/02/08)
- 經濟部技術處在地型科專計畫審查委員(2011/08/17)
- 國立嘉義大學 生命科學院 微生物免疫與生物藥學系 副教授(2006 / 08-2013/07)
- 國立嘉義大學 學生事務處 衛生保健組組長(2008 / 08-2009 / 07)
- 輔英科技大學副教授(2005 / 08-2006 /7)
- 輔英科技大學助理教授(2001 / 08-2005 /7)
- 藥師國家考試及格 1992
- 南部科學工業園區管理局「創新技術研究發展產學合作計畫」獎助案審核小組委員(2008 /01/01-2010 /12/31)
- 嘉義市政府 97 年度「地方產業創新研發推動計畫(地方型 SBIR)」——「機能性中草藥食品新劑型開發研究計畫」審查委員(2008/08/05)
- 行政院衛生署藥物食品檢驗局 Journal of Food and Drug Analysis 期刊論文審查(2010/03/30、2010/03/02、2009/12/22、2009/09/15)
- 行政院農委會水產試驗所 Journal of Taiwan Fisheries Research 期刊論文審查(2010/08/10、2010/07/02)
- Acta Tropica 期刊論文審查(2009/11/09)
- Archives of Pharmacal Research 期刊論文審查(2012/08/22)
- Acta Pharmacologica Sinica 期刊論文審查(2006/06/01)
- Annals of Surgical Oncology 期刊論文審查(2011/12/20、2011/10/17、2011/09/12、2011/07/12、2011/05/11-1、2011/05/11-2、2010/11/23、2010/08/10)
- Anti-Cancer Drugs 期刊論文審查(2013/11/10、2013/09/12、2013/01/11、2012/11/09、2012/02/27、2010/10/30、2010/08/22、2010/05/03)
- Apoptosis 期刊論文審查(2011/08/01)
- Archives of Toxicology 期刊論文審查(2009/08/03)
- Biochemical Pharmacology 期刊論文審查(2015/07/15、2015/02/16、2015/01/15、2014/06/12、2013/12/25、2013/08/20、2013/04/22、2013/01/25、2012/10/05、2012/08/14、2012/02/10、2011/11/18、2011/05/18、2011/02/14、2011/02/05、2010/11/08、2010/09/21、2010/08/20、2010/06/25、2010/05/20)
- BMC Complementary and Alternative Medicine 期刊論文審查(2014/07/16、2014/05/25、2013/04/23)
- Cancer Letters 期刊論文審查委員(2009/02/10、2007/12/05、2006/12/05)
- Cancer Letters 期刊論文審查(2009/01/28、2008/08/01、2007/11/14、2006/11/15、2006/11/06、2006/09/08、2006/08/30、2006/08/11、2006/06/14)
- Cell Biochemistry and Biophysics 期刊論文審查(2013/03/15)
- Cellular Oncology 期刊論文審查(2012/05/22)
- Chemical Research in Toxicology 期刊論文審查(2013/07/27)

- Disease Markers 期刊論文審查(2008/09/29)
- Environmental Toxicology 期刊論文審查(2010/07/15、2010/02/12)
- Enzyme and Microbial Technology 期刊論文審查(2009/03/19)
- European Journal of Integrative Medicine 期刊論文審查(2013/02/20)
- Evidence Based Complementary and Alternative Medicine 期刊論文審查(2014/12/04、2012/10/12、2009/04/13)
- Fitoterapia 期刊論文審查(2009/06/06)
- Food and Chemical Toxicology 期刊論文審查(2013/06/27、2008/07/08、2005/11/17)
- Food & Function 期刊論文審查(2015/12/25、2015/11/26、2015/09/15、2015/05/14、2014/06/07、2014/05/25、2012/08/27)
- Free Radical Research 期刊論文審查(2013/04/08)
- Immunopharmacology and Immunotoxicology 期刊論文審查(2010/10/07)
- International Journal of Nanomedicine 期刊論文審查(2012/07/12)
- Journal of Agricultural and Food Chemistry 期刊論文審查(2015/05/08、2014/06/02、2014/04/09、2014/02/13、2013/10/17、2013/09/06、2013/08/26、2013/07/09、2013/03/16、2013/02/05、2012/10/04、2012/06/28、2012/01/25、2011/12/20、2011/12/13、2011/11/01、2011/08/20、2011/05/17、2011/04/11、2011/03/19、2011/02/08、2010/08/17、2010/03/31、2010/01/29、2009/12/23、2009/11/19、2009/09/01、2009/08/28、2009/08/04、2009/06/19、2009/05/08、2009/04/08、2008/10/07、2008/05/30、2008/04/08、2008/03/26、2008/02/29、2008/01/23、2006/07/14)
- Journal of Bioscience and Bioengineering 期刊論文審查(2015/12/31、2015/03/09、2014/10/16、2014/05/06、2013/10/15、2012/11/19)
- Journal of Food and Drug Analysis 期刊論文審查(2015/08/14)
- Journal of Functional Foods 期刊論文審查(2014/02/01)
- Journal of Medicinal Foods 期刊論文審查(2013/09/10、2013/05/30、2013/03/21、2009/09/04)
- JNHA - The Journal of Nutrition, Health and Aging 期刊論文審查(2012/08/28)
- Journal of Natural Products 期刊論文審查(2008/11/20)
- Journal of Nutritional Biochemistry 期刊論文審查(2011/07/26)
- Journal of the Science of Food and Agriculture 期刊論文審查(2012/08/21、2011/02/11、2009/04/30)
- Journal of Urology 期刊論文審查(2012/12/28)
- JOVE 期刊論文審查(2015/03/16)
- Letters in Drug Design & Discovery – Online (LDDD- Online) 期刊論文審查(2010/01/14)
- Molecular Cancer 期刊論文審查(2013/10/21)
- Molecular and Cellular Biochemistry 期刊論文審查(2009/10/20)
- Molecular Nutrition & Food Research 期刊論文審查(2014/09/12、2012/07/06、2010/03/09、2009/02/28、2007/10/27、2007/07/23)
- Neuroscience Letters 期刊論文審查(2011/05/12)
- Natural Product Communications 期刊論文審查(2010/10/15、2010/02/05)
- Natural Product Research 期刊論文審查(2015/03/17、2013/01/29、2012/02/26、2011/08/24、2011/05/18、2011/02/18、2010/12/06、2010/07/13、2010/03/10)
- Oncotargets 期刊論文審查(2015/10/16、2015/08/25、2015/03/07)
- Pharmaceutical Biology 期刊論文審查(2014/06/23、2010/12/09)

- Plant Foods for Human Nutrition 期刊論文審查(2012/10/09)
- PLOS ONE 期刊論文審查(2015/10/16、2015/07/31、2015/07/19、2015/06/10、2015/05/14、2015/04/07、2014/12/29、2014/10/21、2014/10/01、2014/10/01、2014/09/10、2014/08/23、2014/08/20、2014/07/24、2014/07/17、2014/06/27、2014/06/23、2014/05/21、2014/04/11、2014/04/11、2014/02/23、2014/02/13、2014/02/01、2014/01/15、2013/12/25、2013/11/01、2013/09/17、2013/06/26、2013/04/23、2013/04/09、2013/02/21)
- Process Biochemistry 期刊論文審查(2011/09/27、2011/07/20、2010/12/09、2010/05/17、2010/05/03、2010/04/07、2010/04/03、2009/10/19)
- Toxicology Letters 期刊論文審查(2013/01/16)
- Tumor Biology 期刊論文審查(2015/09/24、2015/09/07、2015/08/11、2015/08/11、2015/08/03、2015/05/04、2015/02/14、2015/02/09、2015/01/24、2015/01/07、2014/12/17、2014/11/29、2014/10/16、2014/09/17、2014/08/17、2014/07/25、2014/06/18、2014/05/07、2014/04/25、2013/12/31、2013/07/24、2013/05/31、2013/05/22、2013/05/10、2013/04/05、2013/03/19)

專長

- 自由基生物醫學
- 氧化壓力與疾病研究
- 細胞凋亡暨食品化學毒理學
- 癌症的化學預防學
- 流式細胞儀在細胞生物學上的應用
- 細胞生物學研究
- 天然物抗癌活性研究
- 天然物抗發炎研究

研究室簡介

陳俊憲老師實驗室的研究領域是針對各種天然物或植物的萃取成分進行抗癌、抗氧化與抗發炎作用等三大主題的研究。在抗癌方面，以各種萃取成分誘導各種人類癌細胞計畫性死亡(apoptosis)的現象與作用機轉進行探討。在抗氧化方面，建立各種氧化物質，如H₂O₂、cumene peroxide或menadione對人類細胞造成氧化壓力的傷害模式，進而篩選各種萃取成分的抗氧化能力，並將具有抗氧化能力的成分進行抗氧化作用機轉的探討。在抗發炎方面，建立各項誘導發炎反應的實驗模式，篩選各種萃取成分抑制cyclooxygenase 2 (COX-2)與prostaglandin E₂ (PGE₂)的能力，並致力於探討抗發炎的作用機轉。期能將研究成果提供給基礎醫學或臨床醫學的先進，進而提升國人的健康。

研究計畫 (Grant Proposals)

- 氧化壓力調控在抗癌物對人類大腸癌細胞誘導細胞凋亡與抑制轉移的研究。(主持人，102~105年度，全程執行期限 102/08/01~105/07/31，NSC 102-2320-B-415 -005 -MY3 國科會 3,540,000 元)
- 蘭嶼烏心石葉部萃取物 liriodenine 抗大腸癌與抗發炎之研究。(主持人，99~101 年度，全程執行期限 99/08/01~102/07/31，NSC 99-2320-B-415 -002 -MY3 國科會 3,007,000 元)
- 以氧化狀態、基因體、蛋白質體之分析方法學探討藥物使用過程中生物檢體(細胞)檢體的變化—藥物(butanolides/buprenorphine/methadone)使用對人體血液細胞及肝癌細胞功能影響之探討(共同主持人，97 年度 NSC 97-2113-M-242-001- 國科會 513,000 元)

- 臺灣產樟屬植物活性成分之研究(共同主持人，97~99 年度 NSC 97-2320-B-242-002-MY 國科會 3,306,000 元)
- 生薑萃取成分 6-shogaol 抗癌作用分子機轉之研究。(主持人，96~98 年度，全程執行期限 96/08/01~99/07/31，NSC 96-2320-B-415 -002 -MY3 國科會 3,814,000 元)
- 吸入性麻醉劑七氟烷對支氣管上皮及血管內皮細胞之影響--探討自由基生成機制、發炎及細胞貼附反應(共同主持人，96~97 年度 NSC 96-2320-B-040-008-MY2 國科會 1,916,000 元)
- 臺灣產木蘭科植物活性成分之研究 (I) (共同主持人，96 年度 NSC 96-2320-B-242 -005 國科會 1,026,000 元)
- 蘭嶼肉桂 *Cinnamomum kotoense* 萃取成分 secokotomolide A 抗癌作用之研究:誘導活性氧物質與一氧化氮造成癌細胞死亡之作用機轉。(主持人，95 年度 NSC 95-2320-B-415 -005 國科會 1,000,000 元)
- 吸入性麻醉劑七氟烷對人類多形核白血球之影響。(共同主持人，95 年度 NSC 95-2320-B-040-014 國科會 934,000 元)
- 欖仁皮萃取成分 casuarinin 與 menadione 協同誘導癌細胞計畫性死亡之研究。(主持人，94 年度 NSC 94-2320-B-242-007- 國科會 860,000 元)
- 以流式細胞儀分析活性氧物質在 pyrrolizidine alkaloids 誘導癌細胞計畫性死亡之研究。(共同主持人，94 年度 NSC 94-2113-M-468-003- 國科會 409,000 元)
- 欖仁皮萃取成分 casuarinin 對活性氧物質造成細胞內氧化壓力與 DNA 傷害的保護作用之研究。(主持人，93 年度 NSC 93-2314-B-242-015- 國科會 531,400 元)
- 山肉桂活性成分之研究。(共同主持人，93 年度 NSC 93-2320-B-242-009-國科會 500,000 元)
- Shikonin 誘導人類癌細胞計畫性死亡發生的研究:包含活性氧物質、粒線體、caspases 活性與抗氧化酵素。(主持人，92 年度 NSC 92-2314-B-242-009- 國科會 282,000 元)
- Shikonin 誘導人類癌細胞計畫性死亡作用機轉的研究。(主持人，91 年度 NSC 91-2314-B-242-004- 國科會 670,000 元)

博士學位論文

- 半枝蓮萃取物 baicalein 暨紫草萃取物 shikonin 引發人類肝癌細胞計畫性死亡作用機轉的研究。國立台灣大學醫學院生化學研究所

文獻著作(Publications)

(刊登雜誌分類排名以 Journal Citation Report (JCR) 2025 年版本之 SCI 及 SSCI 期刊資料為準)

1. **Ching-Hsein Chen*** and Yi-Wen Liu. Dietary phytochemicals in cancer therapy—From mechanistic insights to combination strategies. **Nutrients 2026 May 11;** 18 (10): 1524. [https:// doi: 10.3390/nu18101524](https://doi.org/10.3390/nu18101524) [SCI] (First and Corresponding Author) (Impact factor: 5.8; NUTRITION & DIETETICS 排名: Q1, 19/114)
2. Yu-Hsiang Liao, Kai-Chien Yang, Heng-Jing Chen, Ching-Wei Shih, Yi-Cheng Yeh, Jyun-Yu Peng, Fung-Jou Lu, Shang-Tzu Yang, and **Ching-Hsein Chen***. Combined curcumin and doxorubicin induce apoptosis via JNK-dependent MAPK signaling independent of TXNDC5 in human osteosarcoma cells. **Nutrients 2026 Apr 18;** 18 (8): 1235. <https://doi.org/10.3390/nu18081235> [SCI] (Corresponding Author) (Impact factor: 5.8; NUTRITION & DIETETICS 排名: Q1, 19/114)
3. Chun-Yik Lew, Yi-Teng Tang, Amanda Yee-Jing Lee, Zhi-Jian Chin, Wan-Ling Chang, **Ching-Hsein Chen*** and Soi-Moi Chye*. Shikonin as a dietary phytochemical with multi-target

- anti-cancer activities: from molecular mechanisms to translational applications. **Nutrients 2025 Sep 28**; 17 (19): 3085. <https://doi.org/10.3390/nu17193085> [SCI] (Co-corresponding Author) (Impact factor: 5.8; NUTRITION & DIETETICS 排名: Q1, 19/114)
4. Wan-Ling Chang, Jyun-Yu Peng, Chain-Lang Hong, Pei-Ching Li, Soi Moi Chye, Fung-Jou Lu, Huei-Yu Lin, Ching-Wei Shih, **Ching-Hsein Chen** *. Piperine induces apoptosis and cell cycle arrest via multiple oxidative stress mechanisms and regulation of PI3K/Akt and MAPK signaling in colorectal cancer cells. **Antioxidants 2025 Jul**; 14 (7): 892. <https://doi.org/10.3390/antiox14070892> [SCI] (Corresponding Author) (Impact factor: 8.2; CHEMISTRY, MEDICINAL 排名: Q1, 5/72)
 5. Wan-Ling Chang, Kai-Chien Yang, Jyun-Yu Peng, Chain-Lang Hong, Pei-Ching Li, Soi Moi Chye, Fung-Jou Lu, Ching-Wei Shih, **Ching-Hsein Chen** *. Parecoxib enhances resveratrol against human colorectal cancer cells through Akt and TXNDC5 inhibition and MAPK regulation. **Nutrients 2024 Sep**; 16 (17): 3020. <https://doi.org/10.3390/nu16173020> [SCI] (Corresponding Author) (Impact factor: 5.8; NUTRITION & DIETETICS 排名: Q1, 19/114)
 6. Wan-Ling Chang, Jyun-Yu Peng, Chain-Lang Hong, Pei-Ching Li, Fung-Jou Lu, **Ching-Hsein Chen** *. Parecoxib and 5-fluorouracil synergistically inhibit EMT and subsequent metastasis in colorectal cancer by targeting PI3K/Akt/NF- κ B signaling. **Biomedicines 2024 Jul**; 12 (7): 1526. <https://doi.org/10.3390/biomedicines12071526> [SCI] (Corresponding Author) (Impact factor: 4.5; PHARMACOLOGY & PHARMACY 排名: Q2, 90/356)
 7. Chung Hang Wong, Wan-Ling Chang, Fung-Jou Lu, Yi-Wen Liu, Jyun-Yu Peng, **Ching-Hsein Chen** *. Parecoxib expresses anti-metastasis effect through inhibition of epithelial-mesenchymal transition and the Wnt/ β -catenin signaling pathway in human colon cancer DLD-1 cell line. **Environmental Toxicology 2022 Nov**; 37: 2718-2727. <https://doi.org/10.1002/tox.23631> [SCI] (Corresponding Author) (Impact factor: 3.2; WATER RESOURCES 排名: Q2, 42/131)
 8. Hung-Chih Hsu, Yen-Liang Ke, Yi-Hsuan Lai, Wei-Chi Hsieh, Chu-Hsu Lin, Shih-Shin Huang, Jyun-Yu Peng, **Ching-Hsein Chen** *. Chondroitin sulfate enhances proliferation and migration via inducing β -catenin and intracellular ROS as well as suppressing metalloproteinases through Akt/NF- κ B pathway inhibition in human chondrocytes. **Journal of Nutrition Health & Aging 2022 Feb**; 26: 307-313. <https://doi.org/10.1007/s12603-022-1752-5> [SCI] (Corresponding Author) (Impact factor: 5.0; NUTRITION & DIETETICS 排名: Q1, 27/114)
 9. Jen-Tsung Yang, I-Neng Lee, Chun-Han Chen, Fung-Jou Lu, Chiu-Yen Chung, Ming-Hsueh Lee, Yu-Ching Cheng, Kuo-Tai Chen, Jyun-Yu Peng, **Ching-Hsein Chen** *. Gallic acid enhances the anti-cancer effect of temozolomide in human glioma cell line via inhibition of Akt and p38-MAPK pathway. **Processes 2022 Feb**; 10: 448. [SCI] (Corresponding Author) (Impact factor: 3.4; ENGINEERING, CHEMICAL 排名: Q3, 95/183)
 10. Chien-Neng Kuo, **Ching-Hsein Chen**, San-Ni Chen, Jou-Cheng Huang, Li-Ju Lai, Chien-Hsiung Lai, Chia-Hui Hung, Chien-Hsing Lee, Chung-Yi Chen. Anti-angiogenic effect of hexahydrocurcumin in rat corneal neovascularization. **International Ophthalmology 2018 Apr**; 38: 747-756. [SCI] (Co-first Author) (Impact factor: 1.7; OPHTHALMOLOGY 排名: Q3, 60/98)
 11. Jen-Tsung Yang, I-Neng Lee, Fung-Jou Lu, Chiu-Yen Chung, Ming-Hsueh Lee, Yu-Ching Cheng, Kuo-Tai Chen, **Ching-Hsein Chen** *. Propyl Gallate Exerts an anti-migration effect on temozolomide-treated malignant glioma cells through Inhibition of ROS and the NF- κ B Pathway.

- Journal of Immunology Research 2017 Sep;** 2017: 9489383. [SCI] **(Corresponding Author)** (Impact factor: 3.2; IMMUNOLOGY 排名: Q3, 103/183)
12. Su Mei Wu, Li-Hsin Shu, Jia-Hao Liu, **Ching Hsein Chen**. Anti-oxidative responses on hepatic tissue of zebrafish (*Danio rerio*) in a short duration of sub-lethal concentrations of cadmium Exposure. **Bulletin of Environmental Contamination and Toxicology 2017 Mar;** 98: 612-618. [SCI]. (Impact factor: 1.9; ENVIRONMENTAL SCIENCES 排名: Q3, 319/395)
 13. Hung-Chih Hsu, Wen-Ming Chang, Jin-Yi Wu, Chin-Chin Huang, Fung-Jou Lu, Yi-Wen Chuang, Pey-Jium Chang, Kai-Hua Chen, Chang-Zern Hong, Rang-Hui Yeh, Tsan-Zon Liu*, **Ching-Hsein Chen***. Folate deficiency triggered apoptosis of synoviocytes: role of overproduction of reactive oxygen species generated via NADPH oxidase/mitochondrial complex II and calcium perturbation. **PLoS ONE 2016 Jan;** 11: e0146440. [SCI] (Corresponding Author) (Impact factor: 2.8; MULTIDISCIPLINARY SCIENCES 排名: Q2, 48/140)
 14. Chishih Chu, Fung-Jou Lu, Rang-Hui Yeh, Zih-Ling Li, **Ching-Hsein Chen***. Synergistic antioxidant activity of resveratrol with genistein in high glucose incubation in Madin-Darby canine kidney epithelial cells. **Biomedical Reports 2016 Mar;** 4, 349-354. (Corresponding Author). (Impact factor: 2.5; MEDICINE, RESEARCH & EXPERIMENTAL JCI排名: Q3, 123/191)
 15. Su Mei Wu, Jia-Hao Liu, Li-Hsin Shu, **Ching Hsein Chen**. Anti-oxidative responses of zebrafish (*Danio rerio*) gill, liver and brain tissues upon acute cold shock. **Comparative Biochemistry and Physiology A-Molecular & Integrative Physiology 2015 Jun;** 187, 202-213. [SCI] (Impact factor: 2.039; ZOOLOGY排名: 26/161=16.15%) (Impact factor: 2.4; ZOOLOGY排名: Q1, 18/183)
 16. Chi-You Wu, Chih-Ping Hsu, Chih-Cheng Lin, Fung-Jou Lu, Chiu-Chen Huang, Yi-Hsien Lin, **Ching-Hsein Chen***. Different mechanisms of seed kernel extract from *Mangifera Indica* on the growth of two colon cancer cell lines. **Food and Nutrition Sciences 2015 Mar;** 6, 421-428. **(Corresponding Author)** (Google-based Impact Factor: 2.37) (NSC 99-2320-B-415-002-MY3) (NSC 102-2320-B-415-005-MY3)
 17. Chung-Yi Chen, Zih-Ling Li, King-Thom Chung, Fung-Jou Lu, **Ching-Hsein Chen***. Liriodenine enhances the apoptosis effect of valproic acid in human colon cancer cells through oxidative stress upregulation and Akt inhibition. **Process Biochemistry 2014 Oct;** 40:1990-2000. [SCI] **(Corresponding Author)** (Impact factor: 4.4; ENGINEERING, CHEMICAL 排名: Q2, 68/183) 99-2320-B-415-002-MY3) (NSC 102-2320-B-415-005-MY3)
 18. Jen-Tsung Yang, Zih-Ling Li, Jin-Yi Wu, Fung-Jou Lu, **Ching-Hsein Chen***. An oxidative stress mechanism of shikonin in human glioma cells. **PLoS ONE 2014 Apr;** 9: e94180. [SCI] (Corresponding Author) (Impact factor: 2.8; MULTIDISCIPLINARY SCIENCES 排名: Q2, 48/140)
 19. Jin-Biou Chang, Chih-Chuan Lin, Jeng-Fong Chiou, Shin-Yi Mau, Tsan-Zon Liu*, **Ching-Hsein Chen***. Treatment of acute paraquat intoxication using recommended megadose of vitamin C: A reappraisal. **Free Radical Research 2013 Dec;** 47:991-1001. [SCI] **(Corresponding Author)** (Impact factor: 3.1; BIOCHEMISTRY & MOLECULAR BIOLOGY排名: Q3, 192/328)
 20. Hung-Chih Hsu, Jeng-Fong Chiou, Yu-Huei Wang, Chia-Hui Chen, Shin-Yi Mau, Chun-Te Ho, Pey-Jium Chang, Tsan-Zon Liu*, **Ching-Hsein Chen***. Folate deficiency triggers an oxidative-nitrosative stress-mediated apoptotic cell death and impedes insulin biosynthesis in

- RINm5F pancreatic islet β -cells: relevant to the pathogenesis of diabetes. **PLoS ONE 2013 Nov**; 8: e77931. [SCI] **(Corresponding Author)** (Impact factor: 2.8; MULTIDISCIPLINARY SCIENCES 排名: Q2, 48/140)
21. Po-Li Wei, Chao-Chiang Tu, **Ching-Hsein Chen**, Yuan-Soon, Ho, Chun-Te Wu, Hou-Yu Su, Wei-Yu Chen, Jun-Jen Liu, and Yu-Jia Chang. Shikonin suppresses the migratory ability of hepatocellular carcinoma cells. **Journal of Agricultural and Food Chemistry 2013 Aug**; 61: 8191-8197. [SCI] **(Corresponding Author)** (Impact factor: 6.7; AGRICULTURE, MULTIDISCIPLINARY 排名: Q1, 12/95)
 22. Chien-Neng Kuo, Chung-Yi Chen, San-Ni Chen, Lin-Cheng Yang, Li-Ju Lai, Chien-Hsiung Lai, Miao-Fen Chen, Chia-Hui Hung, **Ching-Hsein Chen***. Inhibition of corneal neovascularization with the combination of bevacizumab and plasmid pigment epithelium-derived factor-synthetic amphiphile INTERaction-18 (p-PEDF-SAINT-18) vector in a rat corneal experimental angiogenesis model. **International Journal of Molecular Sciences 2013 Apr**; 14: 8291-8305. [SCI] **(Corresponding Author)** (Impact factor: 5.6; BIOCHEMISTRY & MOLECULAR BIOLOGY 排名: Q1, 72/328)
 23. Hung-Chih Hsu, Wan-Chen Lin, Pey-Jium Chang, Chanf-Zern Hong, **Ching-Hsein Chen***. Propyl gallate inhibits TPA-induced inflammation via the NF- κ B pathway in human THP-1 monocytes. **Experimental and Therapeutic Medicine 2013 Mar**; 5: 964-968. [SCI] **(Corresponding Author)** (Impact factor: 2.2; MEDICINE, RESEARCH & EXPERIMENTAL 排名: Q3, 120/191)
 24. Chung-Yi Chen, Sing-Ying Chen, **Ching-Hsein Chen***. Liriodenine induces G1/S cell cycle arrest in human colon cancer cells via nitric oxide- and p53-mediated pathway. **Process Biochemistry 2012 Oct**; 47: 1460-1468. [SCI] **(Corresponding Author)** (Impact factor: 4.4; ENGINEERING, CHEMICAL 排名: Q2, 68/183) (NSC 99-2320-B-415-002-MY3)
 25. **Ching-Hsein Chen**, Miao-Ling Lin, Ping-Lin Ong, Jen-Tsung Yang. Novel multiple apoptotic mechanism of shikonin in human glioma cells. **Annals of Surgical Oncology 2012 Sep**; 19: 3097-3106 [SCI] (Impact factor: 3.8; SURGERY 排名: Q1, 38/321)
 26. Chien-Neng Kuo, Chung-Yi Chen, Chien-Hsiung Lai, Li-Ju Lai, Pei-Chen Wu, Chia-Hui Hung, **Ching-Hsein Chen***. Cell cycle regulation of bevacizumab in human retinal pigment epithelial ARPE-19 cells. **Molecular Medicine Reports 2012 Oct**; 6: 701-704 [SCI] (Impact factor: 5.0; MEDICINE, RESEARCH & EXPERIMENTAL 排名: Q2, 49/191)
 27. Yu-Jia Chang, Yi-Ping Huang, Zih-Ling Li, **Ching-Hsein Chen***. GRP78 knockdown enhances apoptosis via the down-regulation of oxidative stress and Akt pathway after epirubicin treatment in colon cancer DLD-1 cells. **PLoS ONE 2012 Apr**; 7: e35123. [SCI] **(Corresponding Author)** (Impact factor: 2.8; MULTIDISCIPLINARY SCIENCES 排名: Q2, 48/140) (NSC 99-2320-B-415-002-MY3)
 28. Chong-Huon Yeh, Shang-Tzu Yang, **Ching-Hsein Chen***. *Calvatia lilacina* protein extract induces apoptosis through endoplasmic reticulum stress in human colon carcinoma cells. **Process Biochemistry 2011 Aug**; 46: 1599-1606. [SCI] **(Corresponding Author)** (Impact factor: 4.4; ENGINEERING, CHEMICAL 排名: Q2, 68/183)
 29. Jin-Yi Wu, Chi-Hung Chen, Wen-Huei Chang, King-Thom Chung, Yi-Wen Liu, Fung-Jou Lu, **Ching-Hsein Chen***. Anti-cancer effects of protein extracts from *Calvatia lilacina*, *Pleurotus*

- ostreatus*, and *Volvariella volvacea*. **Evidence-based Complementary and Alternative Medicine 2011 Jun**; 2011: 982368. [SCI] (**Corresponding Author**) (Impact factor: 2.650; INTEGRATIVE & COMPLEMENTARY MEDICINE 排名: Q3, 16/30 Rank by JIF before 2021)
30. **Ching-Hsein Chen**, Yu-Jia Chang, Maurice S.B. Ku, King-Thom Chung, Jen-Tsung Yang. Enhancement of temozolomide-induced apoptosis by valproic acid in human glioma cell lines through redox regulation. **Journal of Molecular Medicine-JMM 2011 Mar**; 89: 303-315. [SCI] (Impact factor: 5.0; GENETICS & HEREDITY 排名: 36/192)
 31. **Ching-Hsein Chen***, Wan-Chen Lin, Chien-Neng Kuo, Fung-Jou Lu. Role of redox signaling regulation in propyl gallate-induced apoptosis of human leukemia cells. **Food and Chemical Toxicology 2011 Feb**; 49: 494-501. [SCI] (**Corresponding Author**) (Impact factor: 3.2; TOXICOLOGY 排名: Q2, 49/106)
 32. Ssu-Ching Chen, **Ching-Hsein Chen**, Yee-Lian Tioh, Pei-Yu Zhong, Yu-Shan Lin, Chye Soi Moi. Para-phenylenediamine induced DNA damage and apoptosis through oxidative stress and enhanced Caspase-8 and -9 activities in Mardin-Darby canine kidney. **Toxicology in Vitro 2010 Feb**; 24: 1197-1202. [SCI] (Impact factor: 2.7; TOXICOLOGY 排名: Q3, 64/106)
 33. Jin-Yi Wu, Kun-Wei Tsai, Jia-Jen Shee, Yi-Zhen Li, **Ching-Hsein Chen**, Jing-Jing Chuang and Yi-Wen Liu. 4'-Chloro-3,5-dihydroxystilbene induces lung cancer cell death through multiple pathways. **Acta Pharmacologica Sinica 2010 Jan**; 31: 81-92. [SCI] (Impact factor: 10.4; PHARMACOLOGY & PHARMACY 排名: Q1, 16/356)
 34. **Ching-Hsein Chen**, Shu-Jem Su, Kee-Lung Chang, Mei-Wen Huang and Soong-Yu Kuo. The garlic ingredient diallyl sulfide induces Ca^{2+} mobilization in Madin-Darby canine kidney cells. **Food and Chemical Toxicology 2009 Sep**; 47 (9): 2344-2350. [SCI] (Impact factor: 3.2; TOXICOLOGY 排名: Q2, 49/106)
 35. Jwu-Guh Tsay, King-Thom Chung, Chung-Hung Yeh, Wan-Ling Chen, Chi-Hung Chen, Martin Hsiu-Chu Lin, Fung-Jou Lu, Jeng-Fong Chiou and **Ching-Hsein Chen***. *Calvatia lilacina* Protein-Extract Induces Apoptosis through Glutathione Depletion in Human Colorectal Carcinoma Cells. **Journal of Agricultural and Food Chemistry 2009 Feb**; 57 (4): 1579-1588. [SCI] (**Corresponding Author**) (Impact factor: 6.7; AGRICULTURE, MULTIDISCIPLINARY 排名: Q1, 12/95)
 36. **Ching-Hsein Chen**, Tien-Shang Huang, Chung-Hang Wong, Chian-Lang Hong, Yung-Hong Tsai, Chia-Ching Liang, Fung-Jou and Wen-Huei Chang. Synergistic anti-cancer effect of baicalein and silymarin on human hepatoma HepG2 cells. **Food and Chemical Toxicology 2009 Feb**; 47 (3): 638-644. [SCI] (Impact factor: 3.2; TOXICOLOGY 排名: Q2, 49/106)
 37. Chung-Yi Chen, Tsan-Zon Liu, Wei-Chang Tseng, Fung-Jou Lu, Ray-Ping Hung, Chi-Hung Chen and **Ching-Hsein Chen***. (-)-Anonaine induces apoptosis through Bax- and caspase-dependent pathways in human cervical cancer (HeLa) cells. **Food and Chemical Toxicology 2008 Aug**; 46 (8): 2694-2702. [SCI] (**Corresponding Author**) (Impact factor: 3.2; TOXICOLOGY 排名: Q2, 49/106)
 38. Jin-Yi Wu, King-Thom Chung, Yi-Wen Liu, Fung-Jou Lu, Ruei-Shiun Tsai, Chi-Hung Chen and **Ching-Hsein Chen***. Synthesis and Biological Evaluation of Novel C(6) Modified Baicalein Derivatives as Antioxidative Agents. **Journal of Agricultural and Food Chemistry 2008 Mar**; 56 (8): 2838-2845. [SCI] (**Corresponding Author**) (Impact factor: 6.7; AGRICULTURE,

MULTIDISCIPLINARY 排名: Q1, 12/95)

39. Ping-Lin Ong, Bor-Chun Weng, Fung-Jou Lu, Miao-Ling Lin, Ting-Ting Chang, Ray-Ping Hung and **Ching-Hsein Chen***. The anticancer effect of protein-extract from *Bidens alba* in human colorectal carcinoma SW480 cells via the reactive oxidative species- and glutathione depletion-dependent apoptosis. **Food and Chemical Toxicology 2008 May**; 46 (5): 1535-1547. [SCI] (**Corresponding Author**) (Impact factor: 3.2; TOXICOLOGY 排名: Q2, 49/106)
40. Chung-Yi Chen, **Ching-Hsein Chen**, Chiu-Hu Kung, Shih-Hsing Kuo and Soong-Yu Kuo. [6]-Gingerol Induces Ca²⁺ Mobilization in Madin-Darby Canine Kidney Cells. **Journal of Natural Products 2008 Jan**; 71 (1): 137-140. [SCI] (Impact factor: 3.7; PLANT SCIENCES 排名: Q2, 73/258)
41. Chung-Yi Chen, **Ching-Hsein Chen**, Yi-Ching Lo, Bin-Nan Wu, Hui-Min Wang, Wen-Li Lo, Chuan-Min Yen and Rong-Jyh, Lin. Anticancer activity of isoobtusilactone A from *Cinnamomum kotoense*: Involvement of apoptosis, cell-cycle dysregulation, mitochondria- regulation and reactive oxygen species. **Journal of Natural Products 2008 Jun**; 71 (6): 933-940. [SCI] (Impact factor: 3.7; PLANT SCIENCES 排名: Q2, 73/258)
42. Tsan-Zon Liu, Jiin-Tsuey Cheng, Shuenn-Jiun Yiin, Chung-Yi Chen, **Ching-Hsein Chen**, Mei-Jem Wu and Chi-Liang Chern. Isoobtusilactone A induces both caspase-dependent and -independent apoptosis in Hep G2 cells. **Food and Chemical Toxicology 2008 Jan**; 46 (1): 321-327. [SCI] (Impact factor: 3.2; TOXICOLOGY 排名: Q2, 49/106)
43. Ming-Ho Che, Shu-Hsin Chen, Qwa-Fun Wang, Jung-Chou Chen, De-Ching Chang, Shih-Lan Hsu, **Ching-Hsein Chen**, Chiou-Rong Sheue and Yi-Wen Liu. The molecular mechanism of gypenosides-induced G₁ growth arrest of rat hepatic stellate cells. **Journal of Ethnopharmacology 2008 Feb**; 117 (2): 309-317. [SCI] (Impact factor: 6.8; PLANT SCIENCES 排名: Q1, 24/258)
44. Kuo CN, Yang LC, Yang CT, Chen MF, Lai CH, Chen YH, **Chen CH**, Chen CH, Wu PC, Kou HK, Tsai JC and Hung CH. A novel vector system for gene transfer into the cornea using a partially dried plasmid expressing 18 basic fibroblast growth factor-synthetic amphiphile INTERaction-18 (SAINT-18) complex. **Current Eye Research 2008 Oct**; 33 (10): 839-848. [SCI] (Impact factor: 1.7; OPHTHALMOLOGY 排名: Q3, 60/98)
45. **Ching-Hsein Chen**, Tsan-Zon Liu, Chin-Hui Chen, Chung Hang Wong, Chi-Hung Chen, Fung-Jou Lu and Ssu Ching Chen. The Efficacy of Protective Effects of Tannic Acid, Gallic Acid, Ellagic Acid and Propyl Gallate against Hydrogen Peroxide-induced Oxidative Stress and DNA Damages in IMR-90 Cells. **Molecular Nutrition & Food Research 2007 Jul**; 51 (8): 962-968. [SCI] (Impact factor: 4.5; FOOD SCIENCE & TECHNOLOGY 排名: Q2, 61/187)
46. Chung-Yi Chen, Tsan-Zon Liu, Yi-Wen Liu, Wei-Chang Tsenge, Ray H. Liu, Fung-Jou Lu, Yu-Shan Lin, Shih-Hsien Kuo and **Ching-Hsein Chen***. 6-shogaol (alkanone from Ginger) induces apoptotic cell death of human hepatoma p53 mutant Mahlavu subline via an oxidative stress-mediated caspase-dependent mechanism. **Journal of Agricultural and Food Chemistry 2007 Feb**; 55: 948-954. [SCI] (**Corresponding Author**) (Impact factor: 6.7; AGRICULTURE, MULTIDISCIPLINARY 排名: Q1, 12/95)
47. Ya-Lei Chen, Yao-Shen Chen, Ching-Shan Huang, Chun-Wen Chan, Ssu-Ching Chen and **Ching-Hsein Chen***. Immunostimulatory flagellin from *Burkholderia pseudomallei* induces an

- up-regulation of TNF- α and an increase in the intracellular calcium concentration of human monocytes. **Microbiology and Immunology 2007 Jan**; 51 (1): 81-86. [SCI] (**Corresponding Author**) (Impact factor: 1.6; MICROBIOLOGY 排名: Q4, 146/167)
48. Chung-Yi Chen, **Ching-Hsein Chen**, Chung-Hang Wong, Yi-Wen Liu, Yu-Shan Lin, Yau-Der Wang and Yen-Ray Hsuir. Cytotoxic Constituents of the Stems of *Cinnamomum subavenium*. **Journal of Natural Products 2007 Jan**; 70 (1): 103-106. [SCI] (Impact factor: 3.7; PLANT SCIENCES 排名: Q2, 73/258)
 49. Chung-Yi Chen, Tsan-Zon Liu, **Ching-Hsein Chen**, Chih-Chung Wu, Jiin-Tsuey Cheng, Shuenn-Jiun Yiin, Ming-Kuei Shih, Mei-Jem Wu and Chi-Liang Chern. Isoobtusilactone A-induced apoptosis in human hepatoma Hep G2 cells is mediated via increased NADPH oxidase-derived reactive oxygen species (ROS) production and the mitochondria-associated apoptotic mechanisms. **Food and Chemical Toxicology 2007 Jul**; 45 (7): 1268-1276. [SCI] (Impact factor: 3.2; TOXICOLOGY 排名: Q2, 49/106)
 50. Chung Hang Wong, Tsan-Zon Liu, Soi-Moi Chye, Fung-Jou Lu, Ya-Chen Liu, Zhao-Cen Lin and **Ching-Hsein Chen***. Sevoflurane-induced oxidative stress and cellular injury in human peripheral polymorphonuclear neutrophils. **Food and Chemical Toxicology 2006 Aug**; 44 (8):1399-1407. [SCI] (**Corresponding Author**) (Impact factor: 3.2; TOXICOLOGY 排名: Q2, 49/106) (NSC 95-2320-B-040-014) (CMRPG640161)
 51. **Ching-Hsein Chen**, Wen-Li Lo, Ya-Chen Liu and Chung-Yi Chen. Chemical and Cytotoxic Constituents from the Leaves of *Cinnamomum kotoense*. **Journal of Natural Products 2006 Jun**; 69 (6): 927-933. [SCI] (Impact factor: 3.7; PLANT SCIENCES 排名: Q2, 73/258) (NSC 95-2320-B-415 -005)
 52. Tian-Jye Hsieh, Tsan-Zon Liu, Fung-Jou Lu, Pei-Ying Hsieh and **Ching-Hsein Chen***. Actinodaphnine induces apoptosis through increased nitric oxide, reactive oxygen species and down-regulation of NF- κ B signaling in human hepatoma Mahlavu cells. **Food and Chemical Toxicology 2006 Mar**; 44 (3):344-354. [SCI] (**Corresponding Author**) (Impact factor: 3.2; TOXICOLOGY 排名: Q2, 49/106)
 53. Shu Chi Wang, Jing Guang Chang, **Ching-Hsein Chen** and Ssu-Ching Chen. 2-and 4-Aminobiphenyls induce oxidative DNA damage in human hepatoma (Hep G2) cells via different mechanisms. **Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis 2006 Jan**; 593 (1-2): 9-21. [SCI] (Impact factor: 2.4; GENETICS & HEREDITY 排名: Q3, 119/192)
 54. Tsan-Zon Liu, Chung-Yi Chen, Shuenn-Jiun Yiin, **Ching-Hsein Chen**, Jiin-Tsuey Cheng, Ming-Kuei Shih, Yu-Shan Wang and Chi-Liang Chern. Molecular mechanism of cell cycle blockage of hepatoma SK-Hep-1 cells by Epimedin C through suppression of mitogen-activated protein kinase activation and increased expression of CDK inhibitors p21^{Cip1} and p27^{Kip1}. **Food and Chemical Toxicology 2006 Feb**; 44 (2): 227-235. [SCI] (Impact factor: 3.2; TOXICOLOGY 排名: Q2, 49/106)
 55. Huoy-Rou Chang, Tian-Lu Cheng, Tsan-Zon Liu, Han-Shu Hu, Li-Sung Hsu, Wei-Chang Tsenge, **Ching-Hsein Chen** and Der-An Tsao. Genetic and cellular characterizations of human TCF4 with microsatellite instability in colon cancer and leukemia cell lines. **Cancer Letters 2006 Feb**; 233 (1): 165-171. [SCI] (Impact factor: 11.8; ONCOLOGY 排名: Q1, 29/333)

56. Ssu-Ching Chen, **Ching-Hsein Chen**, Chi-Liang Chern, Li-Sung Hsu, Ya-Chun Huang, King-Thom Chung and Soi-Moi Chy. *p*-Phenylenediamine induces p53-mediated apoptosis in Mardin–Darby canine kidney cells. **Toxicology in Vitro 2006 Sep**; 20 (6):801-807. [SCI] (Impact factor: 2.7; TOXICOLOGY 排名: Q3, 64/106)
57. TJ Hsieh, **CH Chen**, WL Lo and CY Chen. Lignans from the stem of *Cinnamomum camphora*. **Natural Product Communications 2006**; 1: 21-25. [SCI] (Impact factor: 1.5; FOOD SCIENCE & TECHNOLOGY 排名: Q4, 147/187)
58. Tian-Jye Hsieh, Tsan-Zon Liu, Chi-Liang Chern, Der-An Tsao, Fung-Jou Lu, Yu-Hua Syu, Pei-Ying Hsieh, Han-Shu Hu, Ting-Ting Chang and **Ching-Hsein Chen***. Liriodenine inhibits the proliferation of human hepatoma cell lines by blocking cell cycle progression and nitric oxide-mediated activation of p53 expression. **Food and Chemical Toxicology 2005 Jul**; 43 (7):1117-1126. [SCI] (**Corresponding Author**) (Impact factor: 3.2; TOXICOLOGY 排名: Q2, 49/106) (NSC 94-2320-B-242-007)
59. Chung-Ren Jan, **Ching-Hsein Chen**, Shu-Ching Wang and Soong-Yu Kuo. Effect of methylglyoxal on intracellular calcium levels and viability in renal tubular cells. **Cellular Signalling 2005 Jul**; 17 (7): 847-855. [SCI] (Impact factor: 4.7; CELL BIOLOGY 排名: Q2, 86/207)
60. Chin-Man Ho, Soong-Yu Kuo, **Ching-Hsein Chen**, Jong-Khing Huang and Chung-Ren Jan. Effect of Desipramine on Ca²⁺ Levels and Growth in Renal Tubular Cells. **Cellular Signalling 2005 Jul**; 17 (7): 837-845. [SCI] (Impact factor: 4.7; CELL BIOLOGY 排名: Q2, 86/207)
61. Tian-Jye Hsieh, Tsan-Zon Liu, Yi-Chen Chia, Chi-Liang Chern, Fung-Jou Lu, Man-Chun Chuang, Shin-Yi Mau, Shiang-Hsun Chen, Yu-Hua Syu and **Ching-Hsein Chen***. Protective Effect of Methyl Gallate from *Toona sinensis* (Meliaceae) against Hydrogen Peroxide-induced Oxidative Stress and DNA Damage in MDCK Cells. **Food and Chemical Toxicology 2004 May**; 42 (5): 843-850. [SCI] (Impact factor: 3.2; TOXICOLOGY 排名: Q2, 49/106) (NSC 93-2314-B-242 -015-)
62. **Ching-Hsein Chen**, Tian-Jye Hsieh, Tsan-Zon Liu, Chi-Liang Chern, Pei-Ying Hsieh and Chung-Yi Chen. Annoglabayin, a Novel Dimeric Kaurane Diterpenoid and Apoptosis on Hep G2 cells of Annomontacin from the Fruits of *Annona glabra*. **Journal of Natural Products 2004 Nov**; 67 (11): 1942-1946. [SCI] (Impact factor: 3.7; PLANT SCIENCES 排名: Q2, 73/258)
63. **Ching-Hsein Chen**, Tsan-Zon Liu, Tsun-Cheng Kuo, Fung-Jou Lu, Yu-Chin Chen, Yi-Wen Chang-Chien and Chun-Ching Lin. Casuarinin protects cultured MDCK cells from hydrogen peroxide-induced oxidative stress and DNA oxidative damage. **Planta Medica 2004 Nov**; 70 (11):1022-1026. [SCI] (Impact factor: 2.1; PLANT SCIENCES 排名: Q2, 131/258) (NSC 93-2314-B-242 -015-)
64. Tsun-Cheng Kuo, Zong-Shiow Chen, **Ching-Hsein Chen**, Feng-Ming Ho and Chii-Wann Lin. The physiological effect of DE QI during acupuncture. **Journal of Health Science 2004**; 50: 336-342. [SCI] (Impact factor: 0.796 (in 2012); TOXICOLOGY 排名: Q4, 77/85 Rank by JIF before 2023 for TOXICOLOGY)
65. L.T. Wu, C.C. Chu, J.G. Chung, **C.-H. Chen**, L.-S. Hsu, J.-K. Liu and S.C. Chen. Effects of tannic acid and its related compounds on food mutagens or hydrogen peroxide-induced DNA strands breaks in human lymphocytes. **Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis 2004 Nov**; 556 (1-2): 75-82. [SCI] (Impact factor: 2.4; GENETICS & HEREDITY 排

名: Q3, 107/192)

66. **Ching-Hsein Chen**, Chi-Liang Chern, Chun-Ching Lin, Fung-Jou Lu, Ming-Kuei Shih, Pei-Ying Hsieh and Tsan-Zon Liu. Involvement of reactive oxygen species, but not mitochondrial permeability transition in the apoptotic induction of human SK-Hep-1 hepatoma cells by shikonin. **Planta Medica 2003 Dec**; 69 (12):1119-1124. [SCI] (Impact factor: 2.1; PLANT SCIENCES 排名: Q2, 131/258) (NSC 91-2314-B-242-004-)(NSC 92-2314-B-242 -009-)
67. Wen-Huei Chang, Jun-Jen Liu, **Ching-Hsein Chen**, Tien-Shang Huang and Fung-Jou Lu. Growth Inhibition and induction of apoptosis in MCF7 breast cancer cells by fermented soy milk. **Nutrition and Cancer-An International Journal 2002**; 43 (2): 214-226. [SCI] (Impact factor: 2.7; NUTRITION & DIETETICS 排名: Q3, 66/114)
68. Wen-Huei Chang, **Ching-Hsein Chen**, Rung-Jiun Gau, Chun-Ching Lin, Ching-Lin Tsai, Kelvin Tsai and Fung-Jou Lu. Effect of baicalein on apoptosis of the human Hep G2 cell line was induced by mitochondrial dysfunction. **Planta Medica 2002 Apr**; 68 (4): 302-306. [SCI] (Impact factor: 2.1; PLANT SCIENCES 排名: Q2, 131/258)
69. Wen-Huei Chang, **Ching-Hsein Chen** and Fung-Jou Lu. Different effects of baicalein baicalin and wogonin on mitochondria function, glutathione content and cell cycle progression in human hepatoma cells lines. **Planta Medica 2002 Feb**; 68 (2): 128-132. [SCI] (Impact factor: 2.1; PLANT SCIENCES 排名: Q2, 131/258)
70. Ming-Kuei Shih, **Ching-Hsein Chen**, Tsan-Zon Liu and Man Tak Yau. Exacerbation of UVA-induced mitochondrial dysfunction of human SK-Hep-1 cells by ferrous ions. **Journal of Biomedical and Laboratory Sciences 2001**; 13: 128-132.
71. **Ching-Hsein Chen**, Lynn L.H. Huang, Chao-Cheng Huang, Chun-Ching Lin, Yashang Lee and Fung-Jou Lu. Baicalein, a Novel Apoptotic Agent for Hepatoma Cell Lines: a Potential Medicine for Hepatoma. **Nutrition and Cancer-An International Journal 2000**; 38 (2): 287-295. [SCI] (Impact factor: 2.7; NUTRITION & DIETETICS 排名: Q3, 66/114)
72. Wayne Y. Tsai, Wen-Huei Chang, **Ching-Hsein Chen** and Fung-Jou Lu. Enhancing effect of patented whey protein isolate (Immunocal) on the cytotoxicity of anti-cancer drug. **Nutrition and Cancer-An International Journal 2000**; 38 (2): 200-208. [SCI] (Impact factor: 2.7; NUTRITION & DIETETICS 排名: Q3, 66/114)
73. Yashang Lee, Tien-Shang Huang, Mei-Ling Yang, Lan-Ru Huang, **Ching-Hsein Chen** and Fung-Jou Lu. Peroxisome proliferation, adipocyte determination and differentiation of C3H10T1/2 fibroblast cells induced by humic acid: Induction of PPAR in diverse cells. **Journal of Cellular Physiology 1999 May**; 179 (2): 218-225. [SCI] (Impact factor: 4.0; PHYSIOLOGY 排名: Q1, 17/89)

研討會論文

1. **Ching-Hsein Chen***, Hung-Chih Hsu, Wen-Ming Chang, Rang-Hui Yeh, Wan-Ling Chang, Shing-Hua Chen, Fung-Jou Lu, Tsan-Zon Liu. (2015/03/21). Folate Deficiency triggered Apoptosis of Synoviocytes: Role of Overproduction of Reactive Oxygen Species Generated via NADPH

Oxidase/Mitochondrial Complex II and Calcium Perturbation. *The 30th Joint Annual Conference of Biomedical Sciences* (2015).

2. **Ching-Hsein Chen***, Yu-Jia Chang, Maurice S.B. Ku, King-Thom Chung, Jen-Tsung Yang. (2011/03/19). Valproic acid enhance temozolomide-induced apoptosis in human glioma through redox regulation mechanism. *The 26th Joint Annual Conference of Biomedical Sciences* (2011).
3. **Ching-Hsein Chen***, Wan-Chen Lin, Chien-Neng Kuo, Fung-Jou Lu. (2011/03/19). Propyl gallate-induced apoptosis in human leukemia cells via redox signaling regulation. *The 26th Joint Annual Conference of Biomedical Sciences* (2011).
4. Shang-Hsun Tsou, Hsuan-Yu Chou, Po-Ting Wu, Tzu-Wei Tseng, Liang-Chieh Wang, Lih-Geeng Chen*, **Ching-Hsein Chen*** (2008/10). The naphthoquinone esters of *Rhinacanthus nasutus* root induces apoptosis in the human colorectal cancer cells via oxidative stress and mitochondrial dysfunction pathways. *The 14th Biennial Meeting of the Society for Free Radical Research International* (14th SFRR). Beijing, China.
5. Chong-Ming Yu, Chung-Yi Chen, Chung-Hang Wong, Wen-Li Lo, **Ching-Hsein Chen*** (2007/03). Chemical and anticancer constituents from the leaves of *Cinnamomum kotoense*. *The 22th Joint Annual Conference of Biomedical Sciences* (2007).
3. Y.H. Wang, **C.H. Chen**, J.F. Chiou, T.Z. Liu (2007/03). Confocal microscopic visualization of cellular lipid peroxidation and glutathione depletion in the very early response of oxidative stress in HEPG2 cells induced by laser irradiation-mediated photodynamic effects of benzoporphyrin derivative monoacid. *The 22th Joint Annual Conference of Biomedical Sciences* (2007).
4. Y.T. Tseng, C.H Kung, R.P. Hung, **C.H. Chen**, S.Y. Kuo (2007/03). Effect of diallyl disulfide on intracellular calcium rise in human colon cell (SW480 cell). *The 22th Joint Annual Conference of Biomedical Sciences* (2007).
5. Yau-Der Wang, **Ching-Hsein Chen**, Yu-Shan Lin, Wen-Li Lo, Yen-Ray Hsui, Chung-Yi Chen (2007/03). Cytotoxic butanolides of *Cinnamomum subavenium*. *The 22th Joint Annual Conference of Biomedical Sciences* (2007).
6. Yau-Der Wang, **Ching-Hsein Chen**, Wen-Li Lo, Ya-Chen Liu, Chung-Yi Chen (2007/03). Chemical constituents of *Cinnamomum kotoense*. *The 22th Joint Annual Conference of Biomedical Sciences* (2007).
7. Tian-Jye Hsieh, Lee-Yu Huang, **Ching-Hsein Chen**, Wen-Li Lo, Li-Jena Chen, Yau-Der Wang, Chung-Yi Chen* (2007/03). Lignans from the stem of *Cinnamomum camphora*. *The 22th Joint Annual Conference of Biomedical Sciences* (2007).