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Education

1. Ph.D. Institute of Medicine, Kaohsiung Medical College
2. MS, Institute of Neuroscience , National Yang-Ming University
3. BS, School of Pharmacy, Kaohsiung Medical College

Experiences

2004/08- present Professor at Department of Pharmacology, Kaohsiung Medical University, Kaohsiung, Taiwan

Research Interests

1. Ocular pharmacology and therapeutic
2. Brain Ischemic Stroke Therapy
3. Neuropharmacology

Publication Lists (2010~Present)

1. Yang YC, Wei MC, **Hong SJ***. Evaluation of occupation hot exposure in industrial workplaces in a subtropical country. Int J Occup Med Environ Health. 2017 May 8; 30(3):379-395.
2. Wu KY, Lai YH, Yang YC, Wu WC, **Hong SJ***. 5-Fluorouracil-Induced Apoptosis Changes in Cultured Corneal Epithelial Cells. J Ocul Pharmacol Ther. 2016 Apr; 32(3):155-62.
3. Wei MC, Yang YC*, **Hong SJ**. Determination of Oleanolic and Ursolic Acids in Hedyotis diffusa Using Hyphenated Ultrasound-Assisted Supercritical Carbon Dioxide Extraction and Chromatography. Evid Based Complement Alternat Med. 2015; 2015:450547.
4. **Hong SJ**, Wu WC, Lai YH, Wu KY*. Mechanism of 5-Fluorouracil-Induced Apoptosis on Cultured corneal Endothelial Cells. Open Journal of Apoptosis. 2014 Apr; 3:5-15.

5. Yang YC, Wei MC, **Hong SJ**. Ultrasound-assisted extraction and quantitation of oils from *Syzygium aromaticum* flower bud (clove) with supercritical carbon dioxide. *J Chromatogr A*. 2014 Jan 3; 1323:18-27.
6. Wei MC, Yang YC, Chiu HF, **Hong SJ**. Development of a hyphenated procedure of heat-reflux and ultrasound-assisted extraction followed by RP-HPLC separation for the determination of three flavonoids content in *Scutellaria barbata* D. Don. *J Chromatogr B Analyt Technol Biomed Life Sci*. 2013 Dec 1; 940:126-34.
7. Wu KY, Wu PC, Lai YH, **Hong SJ***. Novel usage of intraocular pressure-lowering drugs as wound-healing inhibitors after trabeculectomy with cell culture and animal models. *Kaohsiung J Med Sci*. 2013 Jul;29(7):353-61.
8. Yang YC, Wei MC*, **Hong SJ**, Huang TC, Lee SZ. Development/optimization of a green procedure with ultrasound-assisted improved supercritical carbon dioxide to produce extracts enriched in oleanolic acid and ursolic acid from *Scutellaria barbata* D. Don. *Industrial Crops and Products*. 2013 Jul; 49(1):542-553.
9. Wu KY, Chang CH, Wang HZ, **Hong SJ**. Mechanism of carteolol-induced cytosolic Ca(2+) mobilization in cultured vascular smooth muscle cells. *Vascul Pharmacol*. 2010; 53(3-4):88-93.

Conferences Papers

1. Wei-Tung Lin, Yun-Hong Wong, Valens Munyembaraga, Yu-Chieh Lin, Chun-Chien Yang, Yung-Chia Chen, Yu-Chiao Yang, **Show-Jan Hong**, Hui-Fen Chiu*. (2018) Fucoidan Induced Cell Apoptosis may through Generation of ROS and Disruption of Mitochondrial Membrane Potential in Human Renal Cancer Cells. The 33th Joint Annual Conference of Biomedical Science, Taipei, Taiwan. (Poster)
2. Ming-Chi Wei, **Show-Jen Hong**, Hui-fen Chiu, Pei-Hui Lin and Yu-Chiao Yang*. (2018) Development and Validation of a Green Procedure for Production of three Key Bioactive Compounds from a Herbal Tea. European Biological Inorganic Chemistry Conference. 英國/伯明翰. (Invited Speaker)
3. Chun-Chien Yang, Chia-Ming Chang, Yun-Hong Wong, Meng-Hsuan Cheng, Yu-Chiao Yang, Hsiao-Mei Kuo, Chun-Lung Yuan, **Show-Jen Hong**, Hui-Fen Chiu*. 18th World Congress of Basic and Clinical Pharmacology (WCP 2018) . Japan/Kyoto. (Poster)
4. Yang YC, **Hong SJ**, Lin PH, Wei MC*. (2017) Development of a green alternative procedure for simultaneous separation and quantification of phytochemicals. International Science and Technology America Conference. America/Boston. (Invited Speaker)
5. Yang YC, **Hong SJ**, Lin PH, Wei MC*. (2017) Production of eugenyl acetate-enriched oil from clove using ultrasound-assisted supercritical carbon dioxide extraction. 20th Annual Energy, Utility & Environment. America/ San Diego. (Invited Speaker)
6. Wei MC, Lin PH, **Hong SJ**, Yang YC*. (2016) Extraction Kinetics of Ultrasound-assisted

Extraction of Oleanolic Acid from *Hedyotis corymbosa*. 11th International Conference on Mass Data Analysis of Images and Signals. America/New York. (Invited Speaker)

7. Yang CC, Chang CM, Wong YH, Cheng MH, Yang YC, Kuo HM, Yuan CL, **Hong SJ**, Chen CY, Chiu HF*. (2016) Anandamide Induced Human Hepatoma Cells death through the DNA Damage and Apoptosis Induction. 15th Meeting of Consortium for Globalization of Chinese Medicine. Taiwan/Taipei (Poster presentation)
8. Yang CC, Chang CM, Lee CW, Wu KH, Wong YH, Cheng MH, Yang YC, Kuo HM, Yuan CL, **Hong SJ**, Chen CY, Chiu HF*. (2015) Anandamide Induced Cell Cycle arrest through the DNA Damage and inhibition of telomerase activity in Human Hepatoma Cells. The 30th Joint Annual Conference of Biomedical Sciences. Taiwan/Taipei (Poster presentation)
9. Chen CY, Chang CM, Yang CC, Wong YH, Cheng MH, Yu TH, Yang YC, Yuan CL, Kuo HM, **Hong SJ**, Chiu HF*. (2014) C-phycocyanin induced Anti-proliferation and Angiogenesis Repression in Human Hepatoma Cell. The 29th Joint Annual Conference of Biomedical Sciences. Taiwan/Taipei (Poster presentation)
10. Chang CM, Chen CY, Yang CC, Wong YH, Cheng MH, Yang IN, Yang YC, Yuan CL, Kuo HM, **Hong SJ**, Chiu HF*. (2014) B7, A Novel Anthraquinone Derivative, Cause Cell Cycle G1 Arrest through Cyclin D/E and Cyclin Dependent Kinases 2/4 (CDK 2/4) inhibition in Human Hepatoma Cells. The 29th Joint Annual Conference of Biomedical Sciences. Taiwan/Taipei (Poster presentation)
11. Cheng MH, Chang CM, Chen CY, Yang CC, Liao KH, Wong YH, Chen SH, Yang YC, Yuan CL, Kuo HM, **Hong SJ**, Chiu HF*. (2014) B1, A Novel Telomerase Inhibitor, Induces DNA Double Strand Break and Represses Angiogenesis in Human Lung Cancer Cells. The 29th Joint Annual Conference of Biomedical Sciences. Taiwan/Taipei (Poster presentation)
12. Chiang YW, Chen SH, Chang CM, Wong YH, Cheng MH, Chen CY, KH Liao, Yang CC, Yang YC, Yuan CL, Kuo HM, **Hong SJ**, Chiu HF*. (2013) Bullatacin Induces Apoptosis Through the Regulation of Fas, Caspase8/9 and Bax/Bcl-2 Protein Expression in Human Hepatoma Cell. The 28th Joint Annual Conference of Biomedical Sciences. Taiwan/Taipei (Poster presentation)
13. Wong YH, Chen SH, Yang CC, Yang YC, Cheng MH, Chiang YW, Chang CM, Chen CY, Yang IN, Liao KH, Kuo HM, Lung YC, **Hong SJ**, Chiu HF*. (2013) Anandamide inhibits cell migration and angiogenesis through the regulation of MMP2/9 and VEGF. The 28th Joint Annual Conference of Biomedical Sciences. Taiwan/Taipei (Poster presentation)