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<u>Position</u> : Professor	<u>Laboratory</u> : Chinese medicine, Kaohsiung
<u>Degree</u> : PhD	<u>Graduated from</u> : Chang Gung University
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Research Interests:

1. Chinese herbs, *Salvia miltiorrhiza*
2. Acupuncture

Publication Lists: (2011-present)

*, corresponding author

1. Liu YW, Kuo CW, Chang TC*, Hung YC*, Tan YF, Wu CC, Lin CH, Chen WC, Hu WL, Tsai TM. Analysis of Meridian Flow Direction by Electrical Stimulation Method. *Nanoscale Res Lett.* 2022 Jul 8;17(1):64. doi:10.1186/s11671-022-03694-4. (SCI) (I.F.: 5.418; R/C=115/345 in MATERIALS SCIENCE, MULTIDISCIPLINARY)
2. Lin CH, Tan YF, Tseng ST, Chen WC, Kuo CW, Wu CC, Tsai TM, Hu WL, Chang TC, Hung YC*. Meridian study on the response current affected by acupuncture needling

direction. *Medicine* (Baltimore). 2022 Sep 2;101(35): e30338. doi: 10.1097/MD.00000000000030338. (SCI) (I.F.: 1.817; R/C=122/172 in MEDICINE, GENERAL & INTERNAL)

3. Hu WL*, Hung YC, Tsai MY, Yen HR, Delfino DV. Editorial: Herbal Medicines in Pain Management. *Front Pharmacol*. 2022 Jul 6;13:955743. doi: 10.3389/fphar . 2022.955743. (SCI) (I.F.: 5.988; R/C=46/361 in PHARMACOLOGY & PHARMACY)

4. Lu TC, Wu YH, Chen WY, Hung YC*. Targeting Oxidative Stress and Endothelial Dysfunction Using Tanshinone IIA for the Treatment of Tissue Inflammation and Fibrosis. *Oxid Med Cell Longev*. 2022 Apr 7;2022:2811789. doi: 10.1155/2022/ 2811789. (SCI) (I.F.: 7.310; R/C=90/203 in CELL BIOLOGY)

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7. Tsai SHL, Lin CR, Shao SC, Fang CH, Fu TS, Lin TY, Hung YC*. Cannabinoid Use for Pain Reduction in Spinal Cord Injuries: A Meta-Analysis of Randomized Controlled Trials. *Front Pharmacol*. 2022 Apr 28;13:866235. doi: 10.3389/fphar.2022.866235. (SCI) (I.F.: 5.988; R/C=46/361 in PHARMACOLOGY & PHARMACY)

8. Tseng ST, Hung YC, Hu WL*.Acupuncture therapy for hemifacial microsomia with dysphagia: a case report. *Acupunct Med*. 2022 Apr;40(2):194-196. (SCI) (I.F.: 1.984; R/C=22/43 in INTEGRATIVE & COMPLEMENTARY MEDICINE)

9. Chang CC, Wu SY, Lai YR, Hung YC, Hsu CY, Chen HJ, Chu CC, Cheng JH, Hu WL, Kuo CA*. The Utilization of Chinese Herbal Products for Hyperthyroidism in National Health Insurance System (NHIRD) of Taiwan: A Population-Based Study. *Evid Based Complement Alternat Med*. 2022 Mar 19;2022:5500604. doi: 10.1155/2022/5500604. (SCI) (I.F.: 2.650; R/C=18/43 in INTEGRATIVE & COMPLEMENTARY MEDICINE)

10. Hu WL*, Tsai MC, Kuo CK, Liu CT, Wu SY, Wu TC, Hung YC. Laser meridian massage decreased craving in men with opioid use disorder on methadone maintenance treatment. *Biomed J*. 2022 Apr;45(2):414-423. doi: 10.1016/j.bj.2021.04.010. (SCI) (I.F.:

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11. Cheng YC, Hung IL, Liao YN, Hu WL, Hung YC*. *Salvia miltiorrhiza* Protects Endothelial Dysfunction against Mitochondrial Oxidative Stress. *Life (Basel)*. 2021 Nov 18;11(11):1257. doi: 10.3390/life11111257. (SCI) (I.F.: 3.251; R/C=53/113in BIOLOGY)

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13. Hung YC, Lin PY, Chiu HHE, Huang PY, Hu WL*. The Effectiveness of Laser Acupuncture for Treatment of Musculoskeletal Pain: A Meta-Analysis of Randomized Controlled Studies. *Journal of Pain Research* 2021;1707–1719. (SCI) (I.F.: 2.832; R/C=142/267 in CLINICAL NEUROLOGY)

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17. Hung YC, Wang PW, Lin TY, Yang PM, You JS, Pan TL*. Functional Redox Proteomics Reveal That *Salvia miltiorrhiza* Aqueous Extract Alleviates Adriamycin-Induced Cardiomyopathy via Inhibiting ROS-Dependent Apoptosis. *Oxid Med Cell Longev*. 2020: 5136934. doi: 10.1155/2020/5136934. (SCI) (I.F.: 7.310; R/C=90/203 in CELL BIOLOGY)

18. Cheng YC, Lu CN, Hu WL, Hsu CY, Su YC, Hung YC*. Decreased stroke risk with

combined traditional Chinese and western medicine in patients with ischemic heart disease: A real-world evidence. *Medicine (Baltimore)*. 2020;99(42):e22654. (SCI) (I.F.: 1.817; R/C= 122/172 in MEDICINE, GENERAL & INTERNAL)

19. Lin WL, Lin PY, Hung YC, Hsueh TP*. Benefits of Herbal Medicine on Bone Mineral Density in Osteoporosis: A Meta-Analysis of Randomized Controlled Trials. *Am J Chin Med*. 2020; 48(8):1749-1768. (I.F.: 6.005; R/C=3/43 in INTEGRATIVE & COMPLEMENTARY MEDICINE)

20. Hung YC*, Chen WC, Chang TC*, Zheng HX, Liu YW, Tan YF, Lin SK, Lu YH, Hu WL, Tsai TM. Meridian study on the response current affected by electrical pulse and acupuncture. *Nanoscale Res Lett*. 2020 Jul 10;15(1):146. doi: 10.1186/s11671-020-03373-2. (SCI) (I.F.: 5.418; R/C=115/345 in MATERIALS SCIENCE, MULTIDISCIPLINARY)

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23. Lin CH, Wu SY, Hu WL, Hung CH, Hung YC, Aurea Kuo CE*. Laser acupuncture for refractory coccydynia after traumatic coccyx fracture: A case report. *Medicine (Baltimore)*. 2020 ;99(6):e18860. doi: 10.1097/MD.0000000000018860. (SCI) (I.F.: 1.817; R/C=122/172 in MEDICINE, GENERAL & INTERNAL)

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27. Wang PW, Lin TY, Hung YC, Chang WN, Yang PM, Chen MH, Yeh CT, Pan TL*. Characterization of Fibrinogen as a Key Modulator in Patients with Wilson's Diseases with Functional Proteomic Tools. *Int J Mol Sci*. 2019; 20(18). pii: E4528. doi: 10.3390/ijms20184528. (I.F.: 6.208; R/C=154/321 in BIOCHEMISTRY & MOLECULAR BIOLOGY)
28. Wang PW, Cheng YC, Hung YC, Lee CH, Fang JY, Li WT, Wu YR, Pan TL*. Red raspberry extract protects skin against UVB-induced damage with anti-oxidative and anti-inflammatory properties. *Oxid Med Cell Longev*. 2019;2019:9529676. doi: 10.1155/2019/9529676. eCollection 2019. (SCI) (I.F.: 7.310; R/C=90/203 in CELL BIOLOGY)
29. Hung YC, Chin CY, Lee YC, Chen YH, Tsai MY*. Clinical Experience of Chinese Herbal Medicine Ameliorates Dermatologic Events from Epidermal Growth Factor Receptor Inhibitors for Lung Cancer: A Case Series. *Explore (NY)*. 2019;15(5):363-370. doi: 10.1016/j.explore.2018.11.001. doi: 10.1016/j.explore. (I.F.: 2.358; R/C=23/43 in INTEGRATIVE & COMPLEMENTARY MEDICINE)
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Aging-Associated Cardiovascular Diseases. *Oxid Med Cell Longev*. 2016;2016:4797102. (SCI) (I.F.: 7.310; R/C=90/203 in CELL BIOLOGY)

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Patents:

1. Yu-Chiang Hung, Ting-Chang Chang, Chih-Cheng Shih, Wen-Long Hu. Method for improving the quality of acupuncture needles, 2021.08.07. Patent No. ZL 2019 1 0236894.7, Certificate No.4621956, China.
2. Yu-Chiang Hung, Ting-Chang Chang, Chih-Cheng Shih, Wen-Long Hu. Method for improving the quality of acupuncture needles, 2022.0.1.28. Patent No. HK40031247, Hong kong, China.
3. Yu-Chiang Hung, Ting-Chang Chang, Chien-Hung Lin, Yan-Wen Liu, Hao-Xuan Zheng, Yung-Fang Tan, Wen-Chung Chen, Chuan-Wei Kuo, Method for improving efficacy of acupuncture · 2022.07.01-2040.12.17, Patent No I769628, Taiwan.

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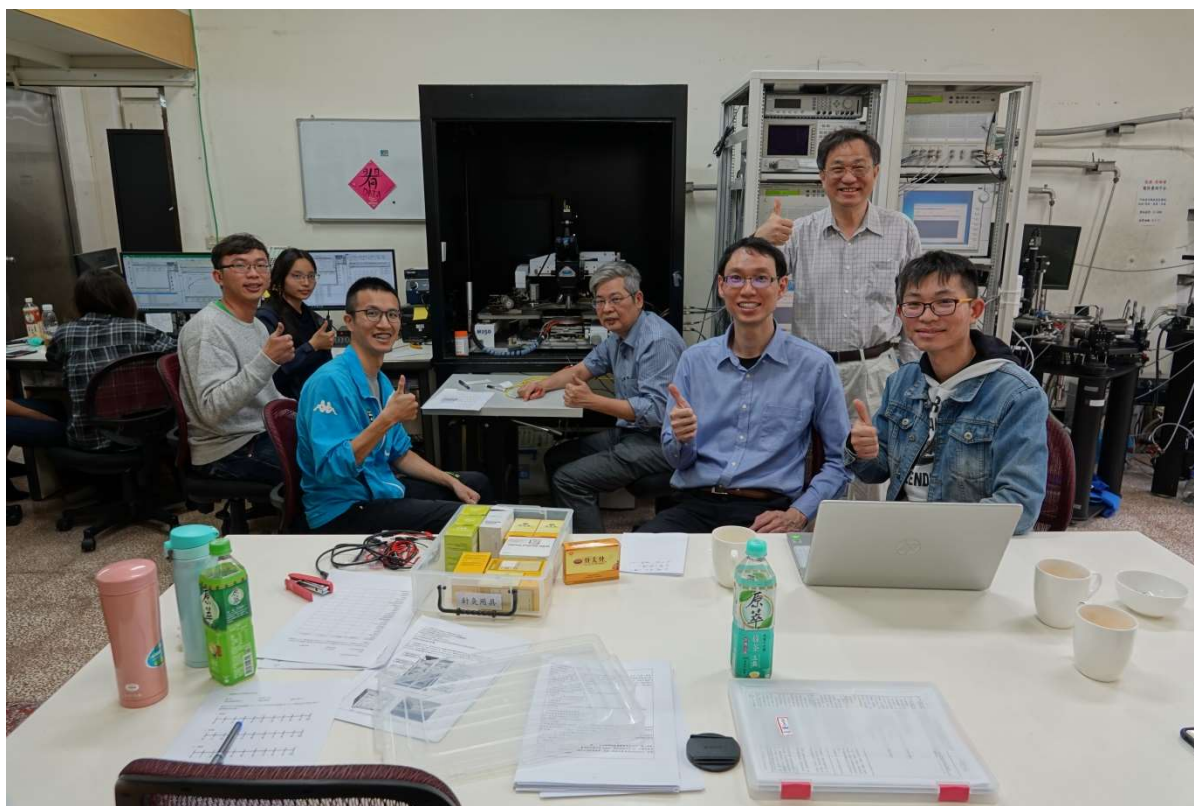


Figure 1 Team of Acupuncture and Meridian Study



Figure 2 Tongue Image Study



Figure 3 Research of Acupuncture and Meridian



Figure 4 Team of Laser Acupuncture Study