



## Dr. Hsien-Hung Yang

<u>Position</u> <b>Professor/Director</b>	<u>Laboratory :</u>
<u>Degree :</u> Ph.D.	<u>Graduated from :</u> Institute of Clinical Medicine, National Yang Ming University
<u>Phone :</u> +886-3-2118800 ext. 3398	<u>E-MAIL :</u> dryang@mail.cgu.edu.tw

### Research Interests:

1. Evaluation of clinical efficacy and pharmacological mechanism of a mixed Chinese herbal formula in atopic dermatitis patients by integrating metabolomics and pharmacokinetic analysis
2. Immunology
2. The program for evaluated the model of TCM clinical skill and TCM clinical teaching
3. Project of new Chinese medicine development and clinical efficacy

evaluation model - new Chinese medicine of mixed formula on allergic rhinitis

**Publication Lists: (2011-present)**

- 1.Hsu CY, Chen JL, Yang SH\*. Effect of cultured mycelia *Cordyceps sinensis* on neutrophil and T cell mediated immune response in humans. ***Journal of Chinese Medicine*** 2011,22:161-72.
- 2.Lin YH, Chen HY, Li YC, Chiu JC, Yang SH\*. Adverse events assessment of traditional Chinese herbal product, *Guilu Erxian Jiao*, in healthy volunteers. ***Journal of Chinese Medicine*** 2011,22:65-75.
- 3.Chen HY, Lin YH, Wu JC, Chen YC, Yang SH, Chen JL, Chen TJ. Prescription patterns of Chinese herbal products for menopausal syndrome:Analysis of a nationwide prescription database. ***Journal of Ethnopharmacology*** 2011, 137:1261-6. (SCI; IF=5.195 ;Integrative & complementary medicine 4/30)
- 4.Hsu PY, Chen JL, Chen HY, Yang SH\*. Extract of sporoderm-broken germination spores of *Ganoderma lucidum* activates human polymorphonuclear neutrophils via the P38 mitogen-activated protein kinase pathway. ***Chang Gung Medical Journal*** 2012,35:140-7.
- 5.Lin YK, Chen HW, Yang SH, Leu YL, Huang YH, Yen HC. Protective effect of indigo naturalis extract against oxidative stress in cultured human keratinocytes. ***Journal of Ethnopharmacology*** 2012 ,139:893-6. (SCI; IF=5.195 ;Integrative & complementary medicine 4/30)
- 6.Chen HY, Lin YH, Wu JC, Chen YC, Thien PF, Chen TJ, Yang SH, Chen JL, Lo SS. Characteristics of pediatric traditional Chinese medicine users in Taiwan: A nationwide cohort study. ***Pediatrics*** 2012,129:e1485-92. (SCI; IF=9.703 ;Pediatrics 4/130)
- 7.Chen IJ, Chang MY, Chiao SL, Chen JL, Yu CC, Yang SH, Liu JM, Hung CC, Yang RC, Chang HC, Hsu CH, Fang JT. Korean Red Ginseng Improves Blood Pressure Stability in Patients with Intradialytic Hypotension. ***Evidence-Based Complementary and Alternative Medicine*** 2012 Article ID 595271, 9 pages doi:10.1155/2012/595271 (SCI ; IF:2.650 : Integrative & complementary medicine 18/43)
- 8.Yang SH\*, Chen HY, Lin YS, Chen YC. The Exploration of Disease Pattern, Zheng, For Differentiation of Allergic Rhinitis in 1 Traditional Chinese Medicine Practice. ***Evidence-Based Complementary and Alternative Medicine*** 2012 Article ID

- 521780, 7 pages doi:10.1155/2012/521780(SCI ; IF:2.650 ; Integrative & complementary medicine 18/43)
- 9.Hung HC, Chen YF, Lu CN, Chen TY, Yang SH, Lin CH, Wu CL, Lee KH. Investigation of personnel training and occupational activities in Chinese traumatology in Taiwan. *Journal of Chinese Medicine* 2012,23: 113-132.
- 10.Chen IT, Tsang NM, Hu S, Chen JL, Yang SH\* Study the Efficacy of the Topical Chinese Medicine, Angelica Aloe Vera Gel, on the Treatment of Radiation Dermatitis. *Journal of Chinese Medicine* 2012,23: 141-152.
- 11.Yang CW, Yang SH, Wu YH, Chiao SL, Chen HY, Chen JL. The therapeutic efficacy of traditional Chinese medicine hospitalization combined with conventional western medicine among cancer patients in Taiwan. *Journal of Chinese Medicine* 2012,23: 153-163.
- 12.Wang PH, Li YC, Wu YH, Chen JL, Qiu JT, Yang SH\*. Clinical Evaluation of Guiyu Erxian Jiao in Treating Perimenopausal Syndrome. *Journal of Chinese Medicine* 2012,23: 165-181.
- 13.Yang CT, Kuo CF, Chen JL, Yang SH, Yu KH. Discontinuation and adverse events or events of Etanercept treatment in patients with rheumatoid arthritis. *Formosan Journal of Rheumatology* 2012,26:31-40.
- 14.Chang HH, Yang SH ,Yen HR .Objective Structured Clinical Examination in Traditional Chinese Medicine. *Journal of Healthcare Quality*. 2012,6:80-2.
- 15.Huang YH, Chen JL, Yang SH, Liu GH, Chang KP, Tsang NM. Influence of Chinese medicine on weight loss and quality of life during radiotherapy in head and neck cancer. *Integrative Cancer Therapies*. 2013,12:41-9. (SCI; IF=3.077 ;Intergative & complementary medicine 13/30)
- 16.Lin YH, ChenYC, Hu S, Chen HY, Chen JL, Yang SH\*. Identifying core herbal treatments for urticaria using Taiwan's nationwide prescription database. *Journal of Ethnopharmacology* 2013 ,148:556-62. (SCI; IF=5.195 ;Integrative & complementary medicine 4/30)
- 17.Chen HY, Lin YH, Thien TF, Chang SC, Chen YC, Lo SS, Yang SH, Chen JL. Identifying Core Herbal Treatments for Children with Asthma: Implication from a Chinese Herbal Medicine Database in Taiwan. *Evidence-Based Complementary and Alternative Medicine* 2013 Article ID 125943,10 pages

doi:10.1155/2013/125943 (SCI ; IF:2.650 ; Integrative & complementary medicine 18/43)

18. Yang SH, Yu CL, Chen HY, Lin YH. A Commonly Used Chinese Herbal Formula, Shu-Jing-Hwo-Shiee-Tang, Potentiates Anticoagulant Activity of Warfarin in a Rabbit Model. **Molecules** 2013, 18: 11712-11723 (SCI; IF=4.927; Chemistry Multidisciplinary 82/224)
19. Chen HY, Lin YH, Irene H. SU, ChenYC, Yang SH, Chen JL. Investigation on Chinese Herbal Medicine For Primary Dysmenorrhea : Implication Form a Nationwide Prescription Database in Taiwan. **Complementary Therapies in Medicine** 2014,22:116-125 (SCI; IF=3.335; Intergative & complementary medicine 12/30)
20. Yeh YC, Chen HY , Yang SH, Lin YH, Chiu JH, Lin YH, Chen JL. Hedyotis diffusa Combined with Scutellaria barbata Are the Core Treatment of Chinese Herbal Medicine Used for Breast Cancer Patients : A Population-Based Study. **Evidence-Based Complementary and Alternative Medicine** 2014 Article ID 202378,9 pages doi:10.1155/2014/202378(SCI ; IF:2.650 ; Integrative & complementary medicine 18/43)
21. You JH, Yan HR,Liu BH,Shen JZ,Yang SL,Wu SM,Kao MC,Jiang WZ,Huang ZP, Yang SH, Chang HH. Characteristics and Prescription Patterns of Traditional Chinese Medicine in Endometriosis Patients .**Journal of Chengdu University of Traditional ChineseMedicine**2014,37:118-120.
22. Chen HY, Huang BS, Lin YH, Su IH, Yang SH, Chen JL, Huang JW, Chen YC. Identifying Chinese Herbal Medicine for Premenstrual Syndrome :Implications from a Nationwide Database. **BMC Complementary and Alternative Medicine** 2014,14:206 <http://www.biomedcentral.com/1472-6882/14/206>. (SCI; IF=4.782; Intergative & complementary medicine 5/30)
23. Yang TH, Chen HY, Yang SH, Lin YH, Fang JT, Hung CC, Chen JL. Utilization Pattern for Traditional Chinese Medicine among Late Stage Chronic Kidney Disease Patients: a Hospital-Based Cross-sectional Study. **Journal of Chinese Medicine** 2014, 25(1): 41-58.
24. Yeh CS, Chen HY, Yang SH, Su YC, Tsang NM, Hong JH, Chen JL. Influence of Weight Loss on Different Traditional Chinese Medicine Constitutional Types of

- Patients with Head and Neck Cancer Who Underwent Radiotherapy : An Observational Study. *Journal of Chinese Medicine* 2014, 25(2):177-187.
- 25.Chen HY, Lin YH,Wu JC, Hu Sindy, **Yang SH**, Chen JL, Chen YC, Lo SS. Use of traditional Chinese medicine reduces exposure to corticosteroid among atopic dermatitis children : A 1-year follow-up cohort study. *Journal of Ethnopharmacology* 2015,159:189-196. (SCI; IF=5.195 ;Integrative & complementary medicine 4/30)
- 26.Chen HY, Lin YH, Hu Sindy, **Yang SH**, Chen JL, Chen YC\*. Identifying Chinese herbal medicine network for eczema: implications from a nationwide prescription database. *Evidence-Based Complementary and Alternative Medicine* Volume 2015, Article ID 347164, 9 pages. (SCI ; IF:2.650 ; Integrative & complementary medicine 18/43)
- 27.**Yang SH\***, Kao TI,Chiang BL,Chen HY, Chen KH, Chen JL. Immune-Modulatory Effects of Bu-Zhong-Yi-Qi-Tang in Ovalbumin-Induced Murine Model of Allergic Asthma. *PLoS One*.0127636.2015,10(6)Jun.1-12. (SCI; IF=3.752; Multidisciplinary sciences 29/73).
- 28.Kao TI, **Yang SH**, Chen JL, Lee SL. Effects of Xiao-Qing-Long Decoction Combined with Xiang-Sha-Liu-Jun-Zi Decoction on Airway Hyperresponsiveness and Cytokine Levels in Murine Model of Allergic Asthma. *Journal of Chengdu University of Traditional Chinese Medicine*,2015,38:21-24.
- 29.Lin YK, **Yang SH**, Chen CC, Kao HC, Fang JY\*. Using Imiquimod-Induced Psoriasis-Like Skin as a Model to Measure the Skin Penetration of Anti-Psoriatic Drugs. *PLoS One* 2015, 10(9): e0137890. doi:10.1371/journal. pone.0137890 (SCI; IF=3.752; Multidisciplinary sciences 29/73)..
- 30.Hsieh HL\*, **Yang SH**, Lee TH, Fang JY,Lin CF. Evaluation of Anti-Inflammatory Effects of *Helminthostachys zeylanica* Extracts via Inhibiting Bradykinin-Induced MMP-9 Expression in Brain Astrocytes. *MOLECULAR NEUROBIOLOGY* 2015. DOI:10.1007/s12035-015-9511-9 (SCI ; IF=5.687 ; Neurosciences 68/274)
- 31.**Yang SH\***,Yu CL,Yang YH, Yang YH. The Immune-Modulatory Effects of a Mixed Herbal Formula on Dendritic Cells and CD4<sup>+</sup> T Lymphocytes in the Treatment of Dust Mite Allergy Asthma and Perennial Allergic Rhinitis. *Journal of Asthma* 2016, 53(4):446-451. DOI: [10.3109/02770903.2015.1104692](https://doi.org/10.3109/02770903.2015.1104692). (SCI;IF=2.515;Allergy 21/28)
- 32.Chiao SL, Lin YH,Chen JL, **Yang SH\***. Perspective on Taiwan International Health Care: Integrate Aromatherapy into Traditional Chinese Medicine. *Journal of*

**Chinese Medicine** 2015, 26(2): 1-13. DOI : [10.3966/241139642015122602007](https://doi.org/10.3966/241139642015122602007).

- 33.Tang WR\*, Yang SH, YuCT, WangCC, HuangST, HuangTH, ChiangMC, ChangYC. Long-Term Effectiveness of Combined Treatment with Traditional Chinese Medicine and Western Medicine on the Prognosis of Patients with Lung Cancer. **Journal of Alternative and Complementary Medicine** 2016,22(3) : 212-222. DOI : [10.1089/acm.2015.0214](https://doi.org/10.1089/acm.2015.0214). (SCI ; IF=2.381 ; Integrative & complementary medicine 20/30)
- 34.Fang JP, Yang SH, Lee CH, I.A. Aljuffali, Kao HC, Fang JY\*. What is the discrepancy between drug permeation into/across intact and diseased skins? Atopic dermatitis as a model. **International Journal of Pharmaceutics** 2016,497 : 277-286.  
<http://dx.doi.org/10.1016/j.ijpharm.2015.12.0006> (SCI ; IF=6.51 ; Pharmacology & Pharmacy 40/279)
- 35.Hsu PY, Yang SH, TsangNM, Fan KH, Hsieh CH, Lin JR, Hong JH, Lin YC, Chen HY, Yang CT, Yang CW, Chen JL\*. Efficacy of Traditional Chinese Medicine in Xerostomia and Quality of Life during Radiotherapy for Head and Neck Cancer: A Prospective Pilot Study. **Evidence-Based Complementary and Alternative Medicine** Volume 2016, Article ID 8359251, 10 pages. (SCI ; IF:2.650 ; Integrative & complementary medicine 18/43) <http://dx.doi.org/10.1155/2016/8359251>
- 36.Kuan CH, Hsu HC , Shiue HS, Yang CC, Tang YY\*, Yang SH. No Control, Preliminary Study Evaluating the Effects of Acupuncture and Chinese Medicine in Traditional Chinese Medical Ward for Patients with Stroke or Patients with Traumatic Brain Injury. **Journal of Chinese Medicine** 2016, 27(2): 1-7.
- 37.Lai WY, Lin PY, Yu CH, Tseng HM, Yang SH, Ou LS, Yao TC, Chen JL\*. Impact of an Integrative Healthcare Quality Improvement Program for Asthmatic Children and Primary Care-Givers: A Hospital-Based Observational Preliminary Report. **Journal of Chinese Medicine** 2016, 27(1): 1-11.
- 38.Ueng YF\*, Lu CK, Yang SH, Wang HJ , Huang CC. Potentiation of the anticoagulation effect of warfarin by the herbalremedy Shu-Jing-Hwo-Shiee-Tang in rats: The dosing regimen andpharmacokinetic interaction. **Drug Metabolism and Pharmacokinetics** 2017,32 : 85-91. <http://dx.doi.org/10.1016/j.dmpk.2016.11.010>  
(SCI ; IF=2.041 ; Pharmacology & Pharmacy 230/279)
- 39.Lin MG, Kao MC, Zheng WJ, Yang SH, Yang SL\*. Characteristics and Prescription Patterns of Traditional Chinese Medicine in Infertility. **Journal of Chengdu**

**university of TCM** 2016,39(4) : 126-131.

40. Yang SH, Lok TY. Retrospective Analysis of Traditional Chinese Medicine Treating Chronic Hepatitis B and Clinical Statistics. **Journal of Chinese Medicine** 2017, 28(2): 83-98.
41. Lin MG, Kao MC, Zheng WJ, Yang SH, Yang SL. Characteristics and Prescription Patterns of Traditional Chinese Medicine in Infertility. **Journal of Chinese Medicine** 2017, 28(1): 1-10. DOI: 10.3966/241139642017062801001
42. Tsai PJ, Lin YH, Chen JL, Yang SH, Chen YC, Chen HY. Identifying Chinese Herbal Medicine Network for Endometriosis: Implications from a Population-Based Database in Taiwan. **Evidence-Based Complementary and Alternative Medicine**. 2017, Article ID 7501015, 10 pages <https://doi.org/10.1155/2017/7501015> (SCI ; IF:2.650 ; Integrative & complementary medicine 18/43)
43. Lin YH, Chen HY, Chiu JC, Chen KJ, Ho HY, Yang SH\*. Immunomodulation Effects of Schizonepeta tenuifolia Briq. on the IgE-Induced Allergic Model of RBL-2H3 Cells. **Evidence-Based Complementary and Alternative Medicine** 2018, Article ID 6514705, 7 pages. (SCI ; IF:2.650 ; Integrative & complementary medicine 18/43) <https://doi.org/10.1155/2018/6514705>
44. Yang CW, Chen HY, Chen JL, Yang SH\*. Therapeutic efficacy of traditional Chinese medicine on quality of life and heart rate variability among patients in long-term care system in Taiwan. **Journal of Chinese Medicine**. 2018, 29: 42-59.
45. Chen W, Chen HY, Yang YH, Yang SH, Yang CW, Wu YH, Chen JL\*. An Investigation of the Prescription Patterns of Chinese Herbal Products for Chronic Glomerulonephritis Patients: A Hospital-Based Cross-Sectional Study. **Evidence-Based Complementary and Alternative Medicine**. 2018; 50807. (SCI ; IF:2.650 ; Integrative & complementary medicine 18/43)
46. Chiou CT, Wang KC, Yang YC, Huang CL, Yang YH, Kuo YH, Huang NK\*. Liu Jun Zi Tang-A Potential, Multi-Herbal Complementary Therapy for Chemotherapy-Induced Neurotoxicity. **International Journal of Molecular Sciences**. 2018, 19:1258. doi:10.3390/ijms19041258 (SCI ; IF:6.208 ; Biochemistry & Molecular Biology 69/296)
47. Yang SH\*, Lin YH, Lin JR, Chen HY, Hu S, Yang YH, Yang YH, Yang YS, Fang YF. The Efficacy and Safety of a Fixed Combination of Chinese Herbal Medicine in Chronic Urticaria: A Randomized, Double-Blind, Placebo-Controlled Pilot Study. **Frontiers in**

**Pharmacology.**2018(12/18),9:1474. <https://doi.org/10.3389/fphar.2018.01474>

(SCI ; IF:5.988 : Pharmacology & Pharmacy 50/279)

48.Wang TJ , Lien SY, Chen JL, Lin CH, YangYS, Yang SH\*. A Randomized Clinical Efficacy Trial of Red Yeast Rice (*Monascus pilosus*) Against Hyperlipidemia.

**American Journal of Chinese Medicine** ,2019 , 47(2):323–335.

Doi:/10.1142/S0192415X19500150 (SCI ; IF:6.005 ; Integrative & complementary medicine 2/30)

49.Lin YH, Luck H,Khan S, Schneeberger PHH, Tsai S, Clemente-Casares X, Lei H, LeuYL, ChanYT, Chen HY, Yang SH, Coburn B, Winer S, Winer DA\*. Aryl hydrocarbon receptor agonist indigo protects against obesity-related insulin resistance through modulation of intestinal and metabolic tissue immunity.

**International Journal of Obesity**,2019, 1-15. Doi:/10.1038/s41366-019-0340-1.

(SCI ; IF:5.551 : Nutrition & dietetics 23/90)

50.Chen HY, Pan HC, Chen YC, Chen YC,Lin YH, Yang SH, Chen JL,Wu HT\*. Traditional Chinese medicine use is associated with lower end-stage renal disease and mortality rates among patients with diabetic nephropathy: a population-based cohort study.

**BMC Complementary and Alternative Medicine** 2019,19(81):1-13

Doi:/10.1186/s12906-019-2491-y (SCI; IF=4.782; Intergative & complementary medicine 5/30)

51.Ting NC,Huang WC,Chen LC,Yang SH, Kuo ML\*. Descurainia sophiaAmeliorates Eosinophil Infiltration and Airway Hyperresponsiveness by Reducing Th2 Cytokine Production in Asthmatic Mice. **American Journal of Chinese Medicine** 2019 47(7):1507-1522. Doi:/10.1142/S0192415X19500770 (SCI ; IF:6.005 ; Integrative & complementary medicine 2/30)

52.Wang TJ , Yang TH, Tsang NM , Tang YY, Hsu HC, Liu GH, Hsu PY, Yang CC, Chen HY , Yang SH , Chen JL\*.Zeng Ye Decoction Mouthwashes With Acupuncture Can Decrease Complications and Body Weight Loss of Head And Neck Cancer Patient Under Radiotherapy With/without Chemotherapy. **Journal of Chinese Medicine**. 2019, 30(2): 48-61.

53.Chiang CC,Cheng WJ,Lin CY,Lai KH,Ju SC, Lee C, Yang SH, Hwang TL\*.

Kan-Lu-Hsiao-Tu-Tan, a traditional Chinese medicine formula, inhibits human neutrophil activation and ameliorates imiquimod-induced psoriasis-like skin

- inflammation. ***Journal of Ethnopharmacology*** 2020,246(2020)112246.  
<https://doi.org/10.1016/j.jep.2019.112246> (SCI; IF=5.195 ;Integrative & complementary medicine 4/30)
54. Lu YC, Yang CW, Lin YH, Hsueh JY, Chen JL, **Yang SH**, Chen YC, Chen HY\*. Identifying the Chinese Herbal Medicine Network and Core Formula for Allergic Rhinitis on a Real-World Database ***Evidence-Based Complementary and Alternative Medicine*** 2020,2020 Article ID 5979708, 14 pages.  
<https://doi.org/10.1155/2020/5979708> (SCI ; IF:2.650 ; Integrative & complementary medicine 18/43)
55. Chiang CC, Li YR, Lai KH, Cheng WJ, Lin SC, Wang YH, Chen PJ, **Yang SH**, Lin CC, Hwang TL\*. Aqueous Extract of Kan-Lu-Hsiao-Tu-Tan Ameliorates Collagen-Induced Arthritis in Mice by Inhibiting Oxidative Stress and Inflammatory Responses. ***Life.*** 2020,10(313):1-17. doi:10.3390/life10120313. (SCI ; IF:3.251 ; Biology 54/113)
56. Kao TI, Chen PJ, Wang YH, Tseng HH, Chang SH, Wu TS, **Yang SH**, Lee YT, Hwang TL\*. Bletinib ameliorates neutrophilic inflammation and lung injury by inhibiting Src family kinase phosphorylation and activity. ***British Journal of Pharmacology*** 2021 Oct,178(20):4069-4084. doi: 10.1111/bph.15597. (SCI ; IF: 9.473 Pharmacology & Pharmacy 18/279= 6%).
57. Wang TH, Tseng WC, LeuYL , Chen CY, Lee WC, Chi YC, Cheng SF, Lai CY, Kuo CH, Yang SL, **Yang SH**, ShenJJ , Feng CH, Wu CC, Hwang TL, Wang CJ, Wang SH, Chen CC. The flavonoid corylin exhibits lifespan extension properties in mouse. 2022 Mar. ***Nature Communications.*** (2022) 13:1238.  
<https://doi.org/10.1038/s41467-022-28908-2> (SCI ; IF: 17.694 Multidisciplinary sciences 6/73)
58. Tseng CH, Lin CF, Aljuffali IA, Huang JR, **Yang SH**, Fang JY. The effectiveness of synthetic methoxylated isoflavones in delivering to the skin and alleviating psoriasisform lesions via topical absorption International ***International Journal of Pharmaceutics*** Volume 617, 5 April 2022, 121629 (SCI ; IF=6.51 ; Pharmacology & Pharmacy 40/279) <https://doi.org/10.1016/j.ijpharm.2022.121629>.
59. Wang PH, Wei CJ, Chen JL, Fang JY , Hu Sindy, **Yang SH**\*. Evaluation of the Clinical Efficacy on Topical Application of the Magnolia officinalis Extract for Atopic Dermatitis: A Pilot Study ***Journai of Chinese Medicine***—接受

60.Ting NC, Chen YH, Chen JC, Huang WC , Liou CJ , Chen LC , Yang SH\*\* , Kuo ML\*\*.

Perilla Fruit Water Extract Attenuates Inflammatory Responses and Alleviates Neutrophil Recruitment via MAPK/ JNK-AP-1/c-Fos Signaling Pathway in ARDS

Animal Model. ***Evidence-Based Complementary and Alternative Medicine*** 2022

Article ID 4444513, 12 pages <https://doi.org/10.1155/2022/4444513>(SCI ; IF:2.650 ;

Integrative & complementary medicine 18/43)

61. Lu YC, Yang CW, Chen JL, Lin YH, Chen HY, Yang SH\*.Characteristics of Chinese

Herbal Medicine and Acupuncture Users Among Allergic Rhinitis Patients: A

Population-based Study. ***Journai of Chinese Medicine***2022,33(1)54-73 DOI:

10.6940/JCM.202206\_33(1).04

**Patents:**

1.

以下放置各研究室活動照片（至少四張）

