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Education	National Taiwan University - Ph.D. Institute of Food Science Technology	
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Webpage		

Publications

Journal Papers

1. Lin, Y.-E.; Lin, H.-P.; Lu, K.-H.; **Huang, Y.-J.**; Panyod, S.; Liu, W.-T.; Lu, Y.-S.; Chen, M.-H.; Sheen, L.-Y., *Cordyceps militaris* and *Armillaria mellea* formula alleviates depressive behaviors via microglia regulation in an unpredictable chronic mild stress animal model. *Journal of Traditional and Complementary Medicine* (2024).
2. **Huang, Y.-J.**; Wu, H.-Y.; Chang, W.-T.; Lu, K.-H.; Lin, Y.-E., Huang, H.-S., Lu, Y.-S., Sheen, L.-Y. A Formulation of Combined Poria cocos and Cordyceps militaris Rice Ameliorates Depressive-like Effects by Downregulating p38 MAPK Signaling Pathways. *Journal of Traditional and Complementary Medicine* (2024).
3. Chiang, Y.-F.; Huang, K.-C.; Wang, K.-L.; **Huang, Y.-J.**; Chen, H.-Y.; Ali, M.; Shieh, T.-M.; Hsia, S.-M., Protective Effects of an Oligo-Fucoidan-Based Formula against Osteoarthritis Development via iNOS and COX-2 Suppression following Monosodium Iodoacetate Injection. *Marine Drugs*. 22, 211. (2024).
4. Chiang, Y.-F.; Huang, K.-C.; Chen, H.-Y.; Hamdy, N. M.; Huang, T.-C.; Chang, H.-Y.; Shieh, T.-M.; **Huang, Y.-J.**; Hsia, S.-M. Hinokitiol inhibit breast cancer cells in-vitro stemness-progression and self-renewal with apoptosis and autophagy induction via regulating CD44/Nanog/SOX2/OCT4 pathway. *International Journal of Molecular Sciences* 25(7):3904 (2024).
5. Chiang, Y.-F.; Lin, I.-C.; Huang, K.-C.; Chen, H.-Y.; Ali, M.; **Huang, Y.-J.**; Hsia, S.-M*, Caffeic acid 's role in mitigating polycystic ovary syndrome by countering apoptosis and ER stress triggered by oxidative stress. *Biomedicine & Pharmacotherapy* 166, 115327. (2023).

6. **Huang, Y.-J.**; Tsai, M.-S.; Panyod, S.; Liu, P.-Y.; Lu, K.-H.; Weng, C.-Y.; Huang, H.-S.; Hsu, C.-C.; Sheen, L.-Y*., Garlic essential oil ameliorates depression-like behaviors in unpredictable chronic mild stress by modulating the brain NLRP3 inflammasome pathway and influencing the gut barrier and microbiota. *Food & Function* 14, 6998-7010.(2023).
7. Lu, K.-H.; Hsu, A.; Pan, Y.-C.; **Huang, Y.-J.**; Goh, L.-Y.; Kang, C.-Y.; Sheen, L.-Y*., Modeling the Temperature Effect on the Growth of Uropathogenic *Escherichia coli* in Sous-Vide Chicken Breast. *Foodborne Pathogens and Disease* (2023).
8. Chen Y-C, Chiang Y-F, Lin Y-J, Huang K-C, Chen H-Y, Hamdy NM, Huang T-C, Chang H-Y, **Huang Y-J** and Shieh T-M*. Effect of Vitamin D Supplementation on Primary Dysmenorrhea: A Systematic Review and Meta-Analysis of Randomized Clinical Trials. *Nutrients* 15:2830 (2023).
9. Chou T-w, Huang H-S, Panyod S, **Huang Y-J*** and Sheen L-Y*, Korean red ginseng water extract produces antidepressant-like effects through involving monoamines and brain-derived neurotrophic factor in rats. *Journal of Ginseng Research* (2023).
10. Chiang Y-F, Huang K-C, Chen H-Y, Huang T-C, Ali M, Chang H-Y, Shieh T-M, Shih Y-H, Wang K-L and **Huang Y-J**, Hsia, S.-M*. The Adipokine Visfatin Modulates Cancer Stem Cell Properties in Triple-Negative Breast Cancer. *Biomedicines* 11:297 (2023).
11. Huang H-S, Lin Y-E, Panyod S, Chen R-A, Lin Y-C, Chai LMX, Hsu C-C, Wu W-K, Lu K-H, **Huang Y-J** and Sheen L-Y*, Anti-depressive-like and cognitive impairment alleviation effects of *Gastrodia elata* Blume water extract is related to gut microbiome remodeling in ApoE^{-/-} mice exposed to unpredictable chronic mild stress. *Journal of Ethnopharmacology*:115872 (2022).
12. Chiang Y-F, Chen H-Y, Ali M, Shieh T-M, **Huang Y-J**, Wang K-L, Chang H-Y, Huang T-C, Hong Y-H and Hsia S-M, The Role of Cell Proliferation and Extracellular Matrix Accumulation Induced by Food Additive Butylated Hydroxytoluene in Uterine Leiomyoma. *Nutrients* 13:3074 (2021).
13. **Huang YJ**, Choong LXC, Panyod S, Lin YE, Huang HS, Lu KH, Wu WK and Sheen LY*, *Gastrodia elata* Blume water extract modulates neurotransmitters and alters the gut microbiota in a mild social defeat stress-induced depression mouse model. *Phytotherapy Research* 35:5133-5142 (2021).
14. Chiang, Y.-F., Tsai, C.-H., Chen, H.-Y., Wang, K.-L., Chang, H.-Y., **Huang, Y.-J.**, . . . Huang, T.-C., Protective effects of fucoxanthin on hydrogen peroxide-induced calcification of heart valve interstitial cells. *Marine Drugs* 19:307 (2021).
15. **Huang Y-J**, Chen Y-C, Chen H-Y, Chiang Y-F, Ali M, Chiang W, Chung C-P and Hsia S-M*, Ethanolic extracts of adlay testa and hull and their active biomolecules exert relaxing effect on uterine muscle contraction through blocking extracellular calcium influx in ex vivo and in vivo studies. *Biomolecules* 11:887 (2021).
16. Lin Y-E, Chen Y-C, Lu K-H, **Huang Y-J**, Panyod S, Liu W-T, Yang S-H, Lu Y-S, Chen M-H and Sheen L-Y*, Antidepressant-like effects of water extract of *Cordyceps militaris* (Linn.) Link by modulation of ROCK2/PTEN/Akt signaling in an unpredictable chronic mild stress-induced animal model. *Journal of Ethnopharmacology* 276:114194 (2021).
17. Chang Y-H, Chiang Y-F, Chen H-Y, **Huang Y-J**, Wang K-L, Hong Y-H, Ali M, Shieh T-M and Hsia S-M*, Anti-inflammatory and anti-hyperuricemic effects of chrysin on a high fructose corn syrup-induced hyperuricemia rat model via the amelioration of urate transporters and inhibition of nlrp3

- inflammasome signaling pathway. *Antioxidants* 10:564 (2021).
18. **Huang Y-J**, Chang C-C, Wang Y-Y, Chiang W-C, Shih Y-H, Shieh T-M, Wang K-L, Ali M and Hsia S-M*, Adlay testa (*Coix lachryma-jobi* L. var. *ma-yuen* Stapf.) ethanolic extract and its active components exert anti-proliferative effects on endometrial cancer cells via cell cycle arrest. *Molecules* 26:1966 (2021).
19. Lin Y-E, Wang H-L, Lu K-H, **Huang Y-J**, Panyod S, Liu W-T, Yang S-H*, Chen M-H, Lu Y-S and Sheen L-Y, Water extract of *Armillaria mellea* (Vahl) P. Kumm. Alleviates the depression-like behaviors in acute-and chronic mild stress-induced rodent models via anti-inflammatory action. *Journal of Ethnopharmacology* 265:113395 (2021).
20. Chang L-C, Chiang Y-F, Chen H-Y, **Huang Y-J**, Liu A-C and Hsia S-M*, The potential effect of fucoidan on inhibiting epithelial-to-mesenchymal transition, proliferation, and increase in apoptosis for endometriosis treatment: in vivo and in vitro study. *Biomedicines* 8:528 (2020).
21. Weng C-Y, Kuo T-H, Chai LMX, Zou H-B, Feng T-H, **Huang Y-J**, Tsai JC, Wu P-H, Chiu Y-W and Lan EI*, Rapid quantification of gut microbial short-chain fatty acids by pDART-MS. *Analytical chemistry* 92:14892-14897 (2020).
22. **Huang Y-J**, Wang K-L, Chen H-Y, Chiang Y-F and Hsia S-M*, Protective effects of epigallocatechin gallate (EGCG) on endometrial, breast, and ovarian cancers. *Biomolecules* 10:1481 (2020).
23. **Huang Y-J**, Hsu N-Y, Lu K-H, Lin Y-E, Lin S-H, Lu Y-S, Liu W-T, Chen M-H and Sheen L-Y*, *Poria cocos* water extract ameliorates the behavioral deficits induced by unpredictable chronic mild stress in rats by down-regulating inflammation. *Journal of ethnopharmacology* 258:112566 (2020).
24. **Huang Y-J**, Lu K-H, Lin Y-E, Panyod S, Wu H-Y, Chang W-T and Sheen L-Y*, Garlic essential oil mediates acute and chronic mild stress-induced depression in rats via modulation of monoaminergic neurotransmission and brain-derived neurotrophic factor levels. *Food & Function* 10:8094-8105 (2019).
25. Huang H-L, Wu Y-C, Su L-J, **Huang Y-J**, Charoenkwan P, Chen W-L, Lee H-C, Chu WC-C and Ho S-Y*, Discovery of prognostic biomarkers for predicting lung cancer metastasis using microarray and survival data. *BMC bioinformatics* 16:1-14 (2015).

Conference Papers

1. Inhibition Activity of α -Glucosidase and Antioxidant Activity of Chinese Noodles Supplemented with *Spirulina platensis*. (2023 International Symposium on Novel and Sustainable Technology, Tainan City, TAIWAN, October 19-20, 2023)
2. Effect of *Spirulina platensis* precipitate on antioxidant activity, sensory properties, and promising source of prebiotics of yogurt. (2023 BEST joint YABEC Conference)
3. *Spirulina platensis* extract as an effective ingredient to improve probiotic bacteria in yogurt. (2022 International Symposium on Novel and Sustainable Technology, Tainan City, TAIWAN, October 27-28, 2022)

Projects

NSTC Projects:

Year	Project Title (number)	Period
111	Investigation of hinokitiol on uterine fibroids regulation through Estrogen- gut microbiome axis (MOST 111-2320-B-218 -001 -MY3)	1110801~1120731
112	Investigation of hinokitiol on uterine fibroids regulation through Estrogen- gut microbiome axis (MOST 111-2320-B-218 -001 -MY3)	1120801~1130731
113	Investigation of hinokitiol on uterine fibroids regulation through Estrogen- gut microbiome axis (MOST 111-2320-B-218 -001 -MY3)	1130801~114731
113	Influence of post-extracted Spirulina platensis residue on the alpha-amylase and alpha-glucosidase inhibitory activities and its application starch digestibility and noodle-making properties in vitro study (NSTC 113-2622-E-218-003)	1130601~1140531

Government Projects:

Year	Project Title (number)	Period

Industry Collaboration Projects:

Year	Project Title (number)	Period

Patent

- 1.
- 2.

Professional Certificates

1. Dietitian
2. Verification of Chinese Medicine
3. Taiwan Association of Diabetes Educator
4. ISO 9001:2008 auditor
5. ISO 22000:2005 auditor
6. Professional Health Food Engineer-Entry Level