

鄒瀚興 Han Hsing Tsou



個人資料

工作地: 台灣新北市汐止區/台灣台北市北投區

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教育程度

博士 Ph.D.	國立陽明大學	環境與職業衛生研究所	2013/09-2019/02
碩士 M.S	國立陽明大學	環境與職業衛生研究所	2011/09-2013/07
學士 B.S	中山醫學大學	公共衛生學系	2007/09-2011/06

工作經驗

現職:

1. 金萬林集團元萃數據科技股份有限公司 2021/04-迄今
研發經理
2. 國立陽明交通大學 藥物科學院 食品安全及健康風險評估研究所 2021/08-迄今
兼任助理教授

經歷:

1. 國立陽明交通大學 藥物科學院 食品安全及健康風險評估研究所 2020/02-2021/03
助理教授
2. 社團法人台灣生醫品質保證協會 2020/08-2021/02
理事
3. 國家衛生研究院論壇 國家衛生福利科技政策研究論壇 2020/02-2020/12
議題委員
4. 臺北榮民總醫院 內科部-臨床毒物與職業醫學科 2019/03-2020/01
博士後研究員

獲獎

➤ IUTOX Best Poster Award 1st place.

XIV International Congress of Toxicology.

Mexico. 2016/10

專長

1. 質譜儀技術開發及應用 Development and Application of Mass Spectrometer Technology
2. 代謝體學 Metabolomics
3. 環境毒理學 Environmental Toxicology

4. 環境衛生學 Environmental Health
5. 公共衛生學 Public Health
6. 品質保證 Quality Assurance
7. 食品安全 Food Safety

著作 PUBLICATIONS

期刊論文

1. Wen-Sheng Liu, Shih-Shin Liang, Mei-Mei Cheng, Ming-Tsan Wu, Szu-Yuan Li, Tien-Tien Cheng, Tsung-Yun Liu, Ching-Yao Tsai, Yen-Ting Lai, Chien-Hung Lin, Hsiang-Tsui Wang, **Han-Hsing Tsou** (2024). How renal toxins respond to renal function deterioration and oral toxic adsorbent in pH-controlled releasing capsule. Environmental Toxicology 39, 3930-3943. (SCIE) **Corresponding author* **【Impact Factor: 4.5】**
2. Cheng-Wei Ho, Pei-Ying Chen, Yi-Ting Liao, Yen-Fu Cheng, **Han-Hsing Tsou**, Tsung-Yun Liu, Kung-Hao Liang (2024). Uncovering the microbiome landscape in sashimi delicacies. Scientific Reports, 14(1), 5454. (SCIE) **【Impact Factor: 4.6】**
3. Wen-Sheng Liu, Chien-Hung Lin, Ann Charis Tan, Yen-Ting Lai, Tsung-Yun Liu, Hsiang-Lin Chan, Szu-Yuan Li, Chun-Fan Chen, Yung-Tai Chen, Tz-Heng Chen, Fan-Yu Chen, Yang Ho, **Han-Hsing Tsou**, Chih-Ching Lin (2023). The Associations between Erythropoietic Response with Inflammation Markers and Perfluorinated Chemicals in Hemodialysis Patients. Healthcare, 11(2), 442. (SCIE) **Co-corresponding author* **【Impact Factor: 2.8】**
4. Wen-Sheng Liu, Chien-Hung Lin, Ching-Yao Tsai, Hsiang-Tsui Wang, Szu-Yuan Li, Tsung-Yun Liu, Ann Charis Tan, **Han-Hsing Tsou**, Kuo-Hsien Tseng, Chih-Ching Lin (2023). Double Filtration Plasmapheresis with Polyvinyl Alcohol-Based Membrane Lowers Serum Inflammation and Toxins in Patients with Hyperlipidemia. Bioengineering, 10(1), 89. (SCIE) **Co-corresponding author* **【Impact Factor: 4.6】**
5. Yen-Ting Lai, Hsiao-Ling Huang, City C. Hsieh, Chien-Hung Lin, Jung-Cheng Yang, **Han-Hsing Tsou**, Chih-Ching Lin, Szu-Yuan Li, Hsiang-Lin Chan, Wen-Sheng Liu (2023). The Effects of Yoga Exercise on Blood Pressure and Hand Grip Strength in Chronic Stroke Patients: A Pilot Controlled Study. International Journal of Environmental Research and Public Health, 20(2), 1108. (SCIE) **【Impact Factor: 4.614】**
6. **Han-Hsing Tsou**, Ping-Huai Wang, Tzu-Hsin Ting, Yueh-Hsin Ping, Tsung-Yun Liu, Hsiao-Wei Cheng, Hsiang-Tsui Wang (2022). Effect of heated tobacco products and traditional

- cigarettes on pulmonary toxicity and SARS-CoV-2-induced lung injury. *Toxicology*, 479, 153318. (SCIE) **Co-first author* **【Impact Factor: 4.5】**
7. Wen-Sheng Liu, Chien-Hung Lin, Szu-Yuan Li, Chih-Ching Lin, Tsung-Yun Liu, Ann Charis Tan, Han-Hsing Tsou, Hsiang-Lin Chan, Yen-Ting Lai (2022). Perfluorooctanesulfonate Can Cause Negative Bias in Creatinine Measurement in Hemodialysis Patients Using Polysulfone Dialysis Membranes. *Membranes*, 12(8), 778. (SCIE) **Co-corresponding author* **【Impact Factor: 4.2】**
 8. Zhen-Jie Tong, Chin-Wei Kuo, Po-Cheng Yen, Chih-Ching Lin, Ming-Tsun Tsai, Shing-Hwa Lu, Yi-Ping Chang, Wen-Sheng Liu, Han-Hsing Tsou, Hsiao-Wei Cheng, Hsiang-Tsui Wang (2022). Acrolein plays a culprit role in the pathogenesis of diabetic nephropathy in vitro and in vivo. *European Journal of Endocrinology*, 187(4), 579-592. (SCIE) **【Impact Factor: 5.8】**
 9. Yen-Ting Lai, Chien-Hung Lin, City C. Hsieh, Jung-Cheng Yang, Han-Hsing Tsou, Chih-Ching Lin, Szu-Yuan Li, Hsiang-Lin Chan, Wen-Sheng Liu (2022). Combining Yoga Exercise with Rehabilitation Improves Balance and Depression in Patients with Chronic Stroke: A Controlled Trial. *Applied Sciences*, 12(2), 922. (SCIE) **【Impact Factor: 2.7】**
 10. Chia-Ling Weng, Chih-Chiang Chen, Han-Hsing Tsou, Tsung-Yun Liu, Hsiang-Tsui Wang (2022). Areca nut procyanidins prevent ultraviolet light B-induced photoaging via suppression of cyclooxygenase-2 and matrix metalloproteinases in mouse skin. *Drug and Chemical Toxicology*, 45(1), 353-359. (SCIE) **【Impact Factor: 2.6】**
 11. Han-Hsing Tsou, Hong-Chieh Tsai, Chiao-Ting Chu, Hsiao-Wei Cheng, Chung-Ji Liu, Chien-Hung Lee, Tsung-Yun Liu, Hsiang-Tsui Wang (2021). Cigarette Smoke Containing Acrolein Upregulates EGFR Signaling Contributing to Oral Tumorigenesis In Vitro and In Vivo. *Cancers*, 13(14), 3544. (SCIE) **Co-first author* **【Impact Factor: 5.2】**
 12. Hong-Chieh Tsai, Han-Hsing Tsou, Chun-Chi Lin, Shao-Chen Chen, Hsiao-Wei Cheng, Tsung-Yun Liu, Wei-Shone Chen, Jeng-Kai Jiang, Shung-Haur Yang, Shih-Ching Chang, Hao-Wei Teng & Hsiang-Tsui Wang (2021). Acrolein contributes to human colorectal tumorigenesis through the activation of RAS-MAPK pathway. *Scientific Reports*, 11(1), 1-13. (SCIE) **【Impact Factor:4.6】**
 13. Han-Hsing Tsou, Hsiao-Tung Ko, Chia-Tzu Chen, Tse-Wen Wang, Chien-Hung Lee, Tsung-Yun Liu, Hsiang-Tsui Wang (2019). Betel quid containing safrole enhances metabolic activation of tobacco specific 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK).

- Environmental Pollution, 251, 13-21. (SCIE) **First author* **【Impact Factor: 8.9】**
14. **Han-Hsing Tsou**, Chih-Hung Hu, Chung-Ji Liu, Chien-Hung Lee, Tsung-Yun Liu, Hsiang-Tsui Wang (2019). Acrolein is involved in the synergistic potential of cigarette smoking and betel quid chewing-related human oral cancer. *Cancer Epidemiology, Biomarkers & Prevention*, 28(5), 954-962. (SCIE) **First author* **【Impact Factor: 3.8】**
 15. Tse-Wen Wang, Jin-Hui Liu, **Han-Hsing Tsou**, Tsung-Yun Liu, Hsiang-Tsui Wang (2019). Identification of acrolein metabolites in human buccal cells, blood, and urine after consumption of commercial fried food. *Food Science & Nutrition*, 7(5), 1668-1676. (SCIE) **【Impact Factor: 3.9】**
 16. Ting-Ying Laio, Chih-Chun Chen, **Han-Hsing Tsou**, Tsung-Yun Liu, Hsiang-Tsui Wang (2019). Acute and chronic exposure of toluene induces genotoxicity in different regions of the brain in normal and allergic mouse models. *Neurotoxicity research*, 36(4), 669-678. (SCIE) **【Impact Factor: 3.7】**
 17. Wen-Sheng Liu, Hsiang Lin Chan, Yen-Ting Lai, Chih-Ching Lin, Szu-Yuan Li, Chih-Kuang Liu, **Han-Hsing Tsou***, Tsung-Yun Liu* (2018). Dialysis membranes influence perfluorochemical concentrations in patients on hemodialysis. *International Journal of Environmental Research and Public Health*, 15(11), 2574. (SCIE) **Co-corresponding author* **【Impact Factor: 4.614】**
 18. Wen-Sheng Liu, Yen-Ting Lai, Hsiang-Lin Chan, Szu-Yuan Li, Chih-Ching Lin, Chih-Kuang Liu, **Han-Hsing Tsou***, Tsung-Yun Liu* (2018). Associations between perfluorinated chemicals and serum biochemical markers and performance status in uremic patients under hemodialysis. *PLOS ONE*, 13(7), e0200271. (SCIE) **Co-corresponding author* **【Impact Factor: 3.7】**
 19. Tuan Hung Ngo, **Han Hsing Tsou**, Ya Fang Chen, Yuan Wu Chen, Kai Hsien Chi (2018). Sources identification of PCDD/Fs in soil and atmospheric deposition in Taiwan. *Chemosphere*, 208, 374-381. (SCIE) **【Impact Factor: 8.8】**
 20. **Han-Hsing Tsou**, Wen-Chin Hsu, Jong-Ling Fuh, Shih-Pin Chen, Tsung-Yun Liu, Hsiang-Tsui Wang (2018). Alterations in Acrolein Metabolism Contribute to Alzheimer's Disease. *Journal of Alzheimers Disease*, 61(2), 571-580. (SCIE) **First author* **【Impact Factor: 4.0】**

1. Tien-Tien Cheng, **Han-Hsing Tsou**, Hsiang-Tsui Wang, Wen-Sheng Liu. Removing uremic toxin by oral absorbent with pH-controlled releasing capsule may help improving renal function. 台灣腎臟醫學會 (2023, Taiwan)
2. **鄒瀚興**、王澤文、陳沛穎、黃士哲，建立廣效性標的式代謝體學核心實驗室，2022 台灣代謝體學學會會員大會暨學術研討會 (2022，台灣)
3. 王澤文、陳沛穎、**鄒瀚興**、黃士哲，開發代謝體學平台用於糖尿病前期的診斷指標，2022 台灣代謝體學學會會員大會暨學術研討會 (2022，台灣)
4. 黃士哲、陳沛穎、**鄒瀚興**、王澤文，利用標的式代謝體學檢測全身型健康，2022 台灣代謝體學學會會員大會暨學術研討會 (2022，台灣)
5. Chia-Tsen Yu, **Han-Hsing Tsou**. Metabolomics Study of Amino Acids and Metabolites in Kidney Disease Patients. 18th Taiwan Society for Mass Spectrometry Annual Conference. 2022, Taiwan.
6. Chun-Yu Chen, Tsung-Yun Liu, **Han-Hsing Tsou**. Comparison the carbonyls and tobacco-specific nitrosamines in the mainstream smoke of heated tobacco products and conventional cigarettes by UPLC-QToF. 18th Taiwan Society for Mass Spectrometry Annual Conference. 2022, Taiwan.
7. 柯曉彤、**鄒瀚興**、劉宗榮，The Effect of Betel Quid Chewing on Smoking Induced Oxidative Stress，生物醫學聯合學術年會 (2019，台灣)
8. **Han-Hsing Tsou**, Hsiang-Tsui Wang, Tsung-Yun Liu. The effects of betel quid chewing on the metabolism of cigarette containing acrolein in Taiwan. The 8th International congress of Asian Society of Toxicology. 2018, Thailand.
9. Chih-Hung Hu, **Han-Hsing Tsou**, Tsung-Yun Liu. Betel quid chewing modulates the cigarette containing acrolein uptake in oral cancer patients. XIV International Congress of Toxicology. 2016, Mexico.
10. **Han-Hsing Tsou**, Chih-Hung Hu, Tsung-Yun Liu. The Presence of Protein-Conjugated Acrolein and 3-Hydroxypropyl Mercapturic Acid (3-HPMA) in Patients with Alzheimer's Disease. XIV International Congress of Toxicology. 2016, Mexico.
11. **Han-Hsing Tsou**, Wen-Sheng Liu, Tsung-Yun Liu. Perfluorochemicals in patients under hemodialysis and relations with biochemical markers. The 7th International congress of Asian Society of Toxicology. 2015, Korea.
12. **鄒瀚興**、紀凱獻、劉宗榮，全氟辛酸/全氟辛烷磺酸與慢性腎臟病患者指標之關係，環境

分析化學研討會 (2013, 台灣)

13. 鄒瀚興、謝樵漢、陳志銘、胡瓊文、趙木榮，運用連線固相萃取-液相層析串聯質譜儀搭配同位素稀釋法同時分析 N-nitrosodimethylamine、N-nitrosomethylethylamine 及 N-nitrosodiethylamine，聯合會員大會暨學術研討會(台灣公共衛生學會、台灣流行病學學會暨台灣事故傷害預防與安全促進學會)(2010, 台灣)