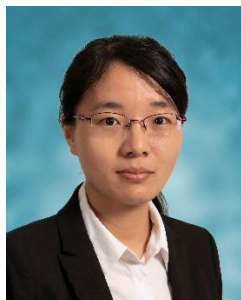

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Teaching Activity: Analytical Chemistry; Analytical Chemistry Experiment; Pharmaceutical Chemistry; Pharmaceutical Chemistry Experiment; Biopharmaceutics and Pharmacokinetics

研究方向: 基於質譜的代謝組學和代謝流分析方法的建立及其在藥物分析、中藥分析、腫瘤病理機制和藥物治療機制等方面的應用。

Research Interest: The establishment of the analytical methods about metabolomics and metabolic flux based on mass spectrometry and its application on pharmaceutical analysis, traditional Chinese medicine analysis, pathological mechanism of tumors and drug therapy mechanism.

學歷/Education:

2015.09-2019.02 澳門科技大學 哲學博士學位/PhD, Macau University of Science and Technology, Macau, China

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代表性文章/Publications:

1. **Xiqing Bian**, Na Li*, Binbin Tan, Baoqing Sun, Ming-Quan Guo, Guoxin Huang, Li Fu, WL Wendy Hsiao, Liang Liu*, and Jian-Lin Wu*. Polarity-Tuning Derivatization-LC-MS Approach for Probing Global Carboxyl-Containing Metabolites in Colorectal Cancer. *Anal. Chem.* **2018**, *90*, 11210. (IF: 8.008, Q1).
2. **Xiqing Bian**,# Yun Qian,# Binbin Tan,# Kai Li, Xufen Hong, Chi Chun Wong, Li Fu, Jun Zhang, Na Li,* Jian-Lin Wu*. In-depth Mapping Carboxylic Acid Metabolome Reveals the Potential Biomarkers in Colorectal Cancer through Characteristic Fragment Ions and Metabolic Flux. *Anal. Chim. Acta* **2020**, *1128*, 62. (IF: 6.911, Q1, co-first author).
3. **Xiqing Bian**,# Baoqing Sun,# Peiyan Zheng, Na Li*, and Jian-Lin Wu*. Derivatization enhanced separation and sensitivity of long chain-free fatty acids: application to asthma using targeted and non-targeted liquid chromatography-mass spectrometry approach. *Anal. Chim. Acta* **2017**, *989*, 59. (IF: 6.911, Q1, co-first author).
4. **Xiqing Bian**,# Wen Miao,# Ming Zhao, Yiran Zhao, Ying Xiao, Na Li,* Jian-Lin Wu* Microbiota drive insoluble polysaccharides utilization via microbiome-metabolome interplay during Pu-erh tea fermentation. *Food Chem* **2022**, *377*, 132007. (IF 9.231, Q1, co-first author).
5. **Xiqing Bian**,# Xinyi Xie,# Jialing Cai, Yiran Zhao, Wen Miao, Xiaolin Chen, Ying Xiao, Na Li,* Jian-Lin Wu.* Dynamic changes of phenolic acids and antioxidant activity of Citri Reticulatae Pericarpium during aging processes. *Food Chem* **2022**, *373*, 131399. (IF 9.231, Q1, co-first author).
6. Peiyan Zheng#, **Xiqing Bian**#, Yingying Zhai#, Cheng Li, Na Li, Chuangli Hao, Huimin Huang, Wenting Luo, Zhifeng Huang, Chenxi Liao, Mingshan Xue, Ming-Quan Guo, Baoqing Sun*, Jian-Lin Wu*. Metabolomics reveals a correlation between hydroxyeicosatetraenoic acids (HETEs) and allergic asthma: evidence from three years' immunotherapy. *Pediatr Allergy Immu.* **2021**, *32*, 1654. (IF: 5.464, Q1, co-first author).
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8. Mingshan Xue,# Peiyan Zheng,# **Xiqing Bian**,# Zhifeng Huang, Huimin Huang, Yifeng Zeng, Haisheng Hu, Xiaoqing Liu, Luqian Zhou, Baoqing Sun,* Jian-lin Wu,* Nanshan Zhong*. Exploration and Correlation Analysis of Changes in Krebs Von Den Lungen-6 Levels in COVID-19 Patients With Different Types in China. *BioScience Trends.* **2020**, *14*, 290. (IF: 9.083, Q1, co-first author).

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9. Yahui Ge,[#] **Xiqing Bian**,[#] Baoqing Sun, Ming Zhao, Yan Ma, Yu-Ping Tang, Na Li*, Jian-Lin Wu*. Dynamic profiling of phenolic acids during Pu-erh tea fermentation using derivatization LC-MS approach. *J. Agr. Food Chem.* **2019**, *67*, 4568. (IF: 5.895, Q1, co-first author).
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 29. Xiaojing Yan, Yue Zhuo, **Xiqing Bian**, Jianmin Li, Yida Zhang, Lidong Ma, Guanghua Lu, Ming-Quan Guo, Jian-Lin Wu*, and Na Li*. Integrated proteomics, biological functional assessments and metabolomics reveal toosendanin induced hepatic energy metabolic disorders. *Chem. Res. Toxicol.* **2019**, 32, 668. (IF: 3.973, Q2).
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專利/Patents:

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2. JL Wu, N Li, L Liu, WY Gu, **XQ Bian**. Method of determining histamine in a sample and kit for doing the same. AST Patent 2017100545.