

## 伍建林



職 稱：副教授

學院/部門：中藥質量研究國家重點實驗室澳門科技大學

電 郵：[jlwu@must.edu.mo](mailto:jlwu@must.edu.mo)

電 話：(853) 8897-2406

傳 真：(853) 2882-5886

辦 公 室：I01-114

地 址：澳門氹仔偉龍馬路 澳門科技大學

### 研究方向

基於 LC、MS、NMR 的整合分析方法及其在消化道腫瘤病理機制、藥物和食品分析領域的應用

### 教學科目

儀器分析、藥物分析、藥物分析實驗、分析化學、分析化學實驗、中藥研究進展、現代生物技術、藥學基礎化學實驗。

### 個人簡介

伍建林博士，男，現任中藥質量研究國家重點實驗室（澳門科技大學）副教授，博士生導師。目前主要從事基於質譜的代謝流、代謝組學、多肽組學和蛋白組學整合分析方法研究消化道腫瘤、藥物和食品化學的分析新方法和新技術及其應用等。自 2017 年-至今，以第一和通訊作者（含共同）在 *Cell Res*, *Gastroenterology*, *J Hazard Mater*, *Anal Chem*, *Environ Int*, *Food Chem*, *Pediatr Allergy Immunol*, *Food Chem Toxicol*, *J Agric Food Chem*, *Food Res Int* 等 JCR Q1 top 10% 期刊，及合作在 *J Hepatol*, *Gut*, *Gastroenterology*, *PNAS*, *Adv Sci*, *Crit Rev Food Sci Nutr*, *Gut Microbes* 等雜誌上發表色譜-質譜和核磁共振應用相關 SCI 文章 70 餘篇，授權國際發明專利 5 項。

### 教育背景

2005.11-2009.05 香港浸會大學化學系 哲學博士

2002.09-2004.07 日本 Niigata 大學工學部 工學碩士

### 工作經歷

2018.07-至今 澳門科技大學 副教授，博士生導師

2017.01-2019.12 廣州醫科大學 南山學者特聘教授（柔性引進），博士生導師

2011.11-2018.06 澳門科技大學 助理教授，博士生導師

2010.04-2011.11 香港大學李嘉誠醫學院病理系 博士後研究員

2004.10-2005.10 香港浸會大學化學系任 研究助理

### 2017-至今代表性 SCI 文章

1. Q. Li, W. Hu, W.X. Liu, L.Y. Zhao, D. Huang, X. Liu, H. Chan, Y. Zhang, J. Zeng, O.O. Coker, W. Kang, S.S.M. Ng, L. Zhang, S.H. Wong, T. Gin, M.V. Chan\*, **J.L. Wu\*** J. Yu\*, W.K.K. Wu\*. *Streptococcus thermophilus* inhibits colorectal tumorigenesis through secreting

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  5. Y. Zhuo, Y. Zhang, M. Li, H. Wu, S. Gong, X. Hu, Y. Fu, X. Shen, B. Sun, **J.L. Wu**<sup>\*</sup>, N. Li<sup>\*</sup>. Hepatotoxic Evaluation of Toosendanin via Biomarker Quantification and Pathway Mapping of Large-Scale Chemical Proteomics. *Food Chem Toxicol.* **2021**, 153, 112257. (Q1 top, 9/93).
  6. Y. Luo, F. Gao, R. Chang, X. Zhang, J. Zhong, J. Wen<sup>\*</sup>, **J.L. Wu**<sup>\*</sup>, T. Zhou<sup>\*</sup>. Metabolomics based comprehensive investigation of Gardeniae Fructus induced hepatotoxicity. *Food Chem Toxicol.* **2021**, 153, 112250. (Q1 top, 9/93).
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  11. X. Bian, Y. Qian, B. Tan, K. Li, X. Hong, C.C. Wong, L. Fu, J. Zhang, N. Li<sup>\*</sup>, **J.L. Wu**<sup>\*</sup>. 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, 62-71.
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24. Y. Zhuo#, **J.L. Wu#**, X. Yan, M.Q. Guo, N. Liu, H. Zhou, L. Liu, N. Li. Strategy for Hepatotoxicity Prediction Induced by Drug Reactive Metabolites Using Human Liver Microsome and Online 2D-Nano-LC-MS Analysis. *Anal Chem.* **2017**, 89, 13167-75. (#These authors contributed equally to this work). (Q1 top, 8/83).
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#### 學術職務

1. 中國醫藥生物技術協會藥物分析專業委員會常務委員
2. 廣省預防醫學會過敏預防與控制專業委員會副主任委員
3. 亞太醫學生物免疫學會基礎免疫分會常務委員

4. 世界中醫藥學會聯合會中醫藥免疫專業委員會常務理事
5. 中國研究型醫院學會過敏醫學專業委員會委員
6. 中國環境科學學會環境化學會委員
7. 澳門風濕病研究國際合作聯盟理事會理事
8. *J Anal Testing* 青年編委
9. 色譜雜誌青年編委