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讲授课程 《食品毒理学》、《食品生物技术》

个人简介

博士、硕士生导师。主要从事新污染物毒理效应及机制、食品安全健康效应评价及代谢组学等方面研究。主要参与各类纵向科研项目 6 项，主持纵向项目 2 项，其中一项为国家级项目；已发表各类研究学术论文 30 余篇，其中 SCI 收录 20 余篇；申请发明专利 3 件，授权 1 件；授权软件著作权 4 项；制订团体标准和企业标准 2 项。

教育经历

2014.09-2018.06: 浙江大学 生物系统工程与食品科学学院 博士研究生

2012.09-2014.06: 华中农业大学 食品科学技术学院 硕士研究生

2008.09-2012.06: 华中农业大学 食品科学技术学院 本科

工作经历

2019.07-至今: 武汉轻工大学 食品科学与工程学院 专任教师

2018.09-2019.07: 武汉迈特维尔生物科技有限公司 研发主管

研究方向

- [1] 新污染物毒理效应及机制
- [2] 食品安全健康效应评价
- [3] 非靶向/靶向代谢组学

主持的代表性科研项目

- 国家重点研发计划：微藻蛋白新型食品全链条风险因子高效识别与主动防控关键技术研究（青年科学家）——微藻蛋白新型食品内外源性风险因子联合毒性效应评价（2022YFF1102500）

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发表的代表性论文

- [1] **Wang Qiao**, Song Wanying, Tian Yimei, Hu Peihao, Liu Xin, Gong Zhiyong. Targeted lipidomics reveal the effect of perchlorate on lipid profiles in liver of high-fat diet mice. *Frontiers in Nutrition*, 2022, 9: 837601.
- [2] **Wang Qiao**, Chen Xinyu, Ren Yiping, Chen Qing, Meng Zhen, Cheng Jun, Zheng Yuanyan, Zeng Weijiang, Zhao Qingning, Zhang Yu. Toxicokinetics and internal exposure of acrylamide: new insight into comprehensively profiling mercapturic acid metabolites as short-term biomarkers in rats and Chinese adolescents. *Archives of Toxicology*, 2017, 91(5): 2107-2118.
- [3] Zhang Yiju#, **Wang Qiao**#, Jia Wei, Cheng Jun, Zhu Li, Ren Yiping, Zhang Yu. Rapid Simultaneous Determination of Cascade Metabolites of Acrylamide in Urine for Toxicokinetics Profiles and Short-Term Dietary Internal Exposure. *Journal of Agricultural and Food Chemistry*, 2020, 68(24): 6748-6758.
- [4] Zhang Yiju, **Wang Qiao**, Li Yaoran, Cheng Jun, Chen Xinyu, Zhang Yu. Comprehensive profile of DNA adducts as both tissue and urinary biomarkers of exposure to acrylamide and chemo-preventive effect of catechins in rats. *Chemosphere*, 2022, 286: 131852.
- [5] Zhang Yu, **Wang Qiao**, Zhang Gong, Jia Wei, Ren Yiping, Wu Yongning. Biomarker analysis of hemoglobin adducts of acrylamide and glycidamide enantiomers for mid-term internal exposure assessment by isotope dilution ultra-high performance liquid chromatography tandem mass spectrometry. *Talanta*, 2018, 178: 825-833.
- [6] Huang Mengmeng, **Wang Qiao**, Chen Xinyu, Zhang Yu. Unravelling effects of flavanols and their derivatives on acrylamide formation via support vector machine modelling. *Food Chemistry*, 2017, 221:178-186.
- [7] Zhang Yu, **Wang Qiao**, Cheng Jun, Zhang Jingshun, Xu Jiaojiao, Ren Yiping. Comprehensive profiling of mercapturic acid metabolites from dietary acrylamide as short-term exposure biomarkers for evaluation of toxicokinetics in rats and daily internal exposure in humans using isotope dilution ultra-high performance liquid chromatography tandem mass spectrometry. *Analytica Chimica Acta*, 2015, 894: 54-64.
- [8] Wan Xuzhi, Jia Wei, **Wang Qiao**, Chen Xinyu, Wang Anli, Zhu Li, Liu Xiaohui, Zhang Lange, Zhuang Pan, Jiao Jingjing, Zhang Yu. Metabolomics strategy comprehensively unveils the effect of catechins intervention on the biomarkers of exposure to acrylamide and biomarkers of cardiometabolic risk. *Environment International*, 2022, 169:107517.
- [9] 彭凌峰, 赵芳, 申长鑫, 刘言, 吴永宁, 宫智勇, **王桥***. 超高效液相色谱-串联质谱法检测小龙虾中 7 种有机磷酸酯类阻燃剂. *食品安全质量检测学报*, 2022, 13(8): 2405-2412.
- [10] 曾小雨, 申长鑫, 赵飞越, 李岩, **王桥***, 刘言, 宫智勇. 小龙虾 (克氏原螯虾) 中铜含量富集现状及其环境来源分析. *食品安全质量检测学报*, 2022, 13(8): 2393-2397.