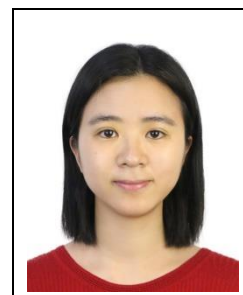


# 个人简历

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## 一、教育经历

2005.09 — 2009.07 厦门大学 环境科学与工程学士

2009.09 — 2010.07 中国科学院大学 资环学院

2010.09 — 2015.01 中国科学院城市环境研究所 硕博连读 理学博士

专业：环境科学 导师：朱永官

## 二、工作经历

**2015.02 — 2018.09**，南京农业大学，资源与环境科学学院，博士后，导师：赵方杰

**2018.09 — 2020.01**，南京农业大学，资源与环境科学学院，讲师

**2020.01—至今**，南京农业大学，资源与环境科学学院，副教授

## 三、主持或参与科研项目

1. 国家自然科学基金青年基金 (National Natural Science Foundation of China), 41501260, 稻田环境青萍及其叶面微生物砷积累和转化研究, 2016/01-2018/12, 24 万元, 已结题, 主持。

2. 中央高校基本科研业务费专项资金项目(the Fundamental Research Funds for the Central Universities), KJQN201669, 稻田环境青萍及其叶面微生物砷积累和转化研究, 2016/01-2018/12, 10 万元, 已结题, 主持。

3. 中国博士后科学基金面上项目(China Postdoctoral Science Foundation), 2015M580440, 畜禽粪便堆肥过程中抗生素抗性基因多样性动态变化机制, 2016/03-2017/08, 8 万元, 已结题, 主持。

4. 江苏省博士后科研资助(Jiangsu Planned Projects for Postdoctoral Research Funds), 1501062B, 堆肥对畜禽粪便中抗生素抗性基因种类和丰度影响研究, 2015/09-2017/08, 4 万元, 已结题, 主持。

5. 中央高校基本业务费自主创新重点项目(the Fundamental Research Funds for the Central Universities), KYZ201518, 畜禽粪便堆肥及农田施用过程中抗生素抗性基因组成和多样性动态变化, 2015/01-2017/12, 10 万元, 已结题, 主持。

6. 国家自然科学基金国际合作与交流项目, 21661132001, 污染稻田镉、砷的生物地球化学过程与降低水稻镉、砷吸收的稻田管理措施, 2017/01-2020/12, 248 万元, 在研, 参与。

7. 国家自然科学基金面上项目, 41671309, 水稻土 Cd 生物有效性的控制过程解析与调控, 2017/01-2020/12, 66 万元, 在研, 参与。

8. 国家自然科学基金面上项目, 41571312, 厌氧砷氧化菌对水稻土砷生物有效性的影响及机制研究, 2016/01-2019/12, 63 万元, 在研, 参与。

#### 四、发表论文

1. 赵方杰\*, 谢婉滢, 汪鹏. 2020. 土壤与人体健康. 土壤学报, 57(1): 1-11

2. Wan-Ying Xie, Xi Zou, Dong-Yang Liu, Qian Li, Qi-Rong Shen, Fang-Jie Zhao\*. 2019. Dynamics of metal(loid) resistance genes driven by succession of bacterial community during manure composting. **Environmental Pollution**, 255(Pt 2): 113276.

3. Chuan Chen, Lingyan Li, Ke Huang, Jun Zhang, Wan-Ying Xie, Yahai Lu, Xiuzhu Dong, Fang-Jie Zhao\*. 2019. Sulfate-reducing bacteria and methanogens are involved in arsenic methylation and demethylation in paddy soils. **The ISME Journal**, 13:2523-2535.

4. Wan-Ying Xie, Shuang-Ting Yuan, Ming-Gang Xu, Xin-Ping Yang, Qi-Rong Shen,

Wen-Wen Zhang, Jian-Qiang Su, Fang-Jie Zhao\*. 2018. Long-term effects of manure and chemical fertilizers on soil antibiotic resistome. **Soil Biology and Biochemistry**, 122: 111–119.

5. **Wan-Ying Xie**, Qirong Shen, Fang-Jie Zhao\*. 2018. Antibiotics and antibiotic resistance from animal manures to soil: a review. **European Journal of Soil Science**, 69: 181–195.

6. Chuan Chen, Ke Huang, **Wan-Ying Xie**, Si-Hong Chen, Zhu Tang, Fang-Jie Zhao\*. 2017. Microbial processes mediating the evolution of methylarsine gases from dimethylarsenate in paddy soils. **Environmental Science & Technology**, 51(22): 13190–13198.

7. **Wan-Ying Xie**, Steve P. McGrath, Jian-Qiang Su, Penny R. Hirsch, Ian M. Clark, Qirong Shen, Yong-Guan Zhu, and Fang-Jie Zhao\*. 2016. Long-term impact of field applications of sewage sludge on soil antibiotic resistome. **Environmental Science & Technology**, 50 (23): 12602–12611.

8. **Wan-Ying Xie**, Xin-Ping Yang, Qian Li, Long-Hua Wu, Qi-Rong Shen, Fang-Jie Zhao\*. 2016. Changes in antibiotic concentrations and antibiotic resistome during commercial composting of animal manures. **Environmental Pollution**, 219:182–190 (

9. **Wan-Ying Xie**, Jian-Qiang Su\*, Yong-Guan Zhu\*. 2014. Arsenite oxidation by the phyllosphere bacterial community associated with *Wolffia australiana*. **Environmental Science & Technology**, 48(16): 9668–9674

10. **Wan-Ying Xie**, Jian-Qiang Su\*, Yong-Guan Zhu\*. 2015. Phyllosphere bacterial community of floating macrophytes in paddy soil environments as revealed by Illumina high-throughput sequencing. **Applied and Environmental Microbiology**, 81(2): 522–532

11. **Wan-Ying Xie**, Qing Huang, Gang Li, Christopher Rensing, Yong-Guan Zhu\*. 2013. Cadmium accumulation in the rootless macrophyte *Wolffia globosa* and its potential for phytoremediation. **International Journal of Phytoremediation**, 15(4): 385–397 (SCI, IF=1.466)

12. 谢婉滢, Adrien Mestrot, 李刚, 孙国新, 朱永官\*. 2012. 色谱自动进样瓶可溶出砷对样品砷形态测定的影响. **环境化学**, 31(6): 902–908

13. Adrien Mestrot, **Wan-Ying Xie**, Ximei Xue, Yong-Guan Zhu\*. 2013. Arsenic volatilization in model anaerobic biogas digesters. **Applied Geochemistry**, 33: 294–297.

14. Xin Zhang, M.Kalle Uroic, **Wan-Ying Xie**, Yong-Guan Zhu, Bao-Dong Chen, Steve P. McGrath, Jörg Feldmann, Fang-Jie Zhao\*. 2012. Phytochelatins play a key role in

arsenic accumulation and tolerance in the aquatic macrophyte *Wolffia globosa*. Environmental pollution, 166: 18–24

15. Qing Huang, **Wan-Ying Xie**, Dan Qiao, Qiming Cheng, Zhenni Liao, Yong-Guan Zhu\*. 2012. Removal of copper(II) ions from aqueous solutions through biosorption technique using dry *Azolla filiculoides* Lam. The First International Conference on Contaminated Land, Ecological Assessment and Remediation (CLEAR 2012):81–82

16. Gui-Di Yang, **Wan-Ying Xie**, Xi Zhu, Yi Huang, Xiao-Jun Yang, Zong-Qing Qiu, Zhen-Mao Lv, Wen-Na Wang, Wen-Xiong Lin\*. Effect of arsenite-oxidizing bacterium *B. laterosporus* on arsenite toxicity and arsenic translocation in rice seedlings. Ecotoxicology and Environmental Safety, 2015, 120: 7–12

## 五、审稿情况

为 Science of Total Environment, Environmental Pollution, Environmental Technology & Innovation, European Journal of Soil Science 等国际期刊审稿。