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一、教育经历

- (1) 2014.9—2018.6，南京大学，环境科学与工程，博士；
- (2) 2011.9—2014.6，南京大学，环境工程，硕士；
- (3) 2007.9—2011.6，东北林业大学，环境科学，学士。

二、工作经历

- (1) 2020.9—至今，南京农业大学，资源与环境学院，副教授；
- (2) 2018.7—2020.8，南京大学，生命科学学院，博士后。

三、获奖情况

- (1) 2017.12 钱易环境奖二等奖；
- (2) 2016.5 南京大学博士研究生校长特别奖学金；
- (3) 2015.11 简浩然环境微生物优秀论文奖。

四、学术兼职

Water Research、Science of the Total Environment、Scientific Report 和 PLoS One 等杂志审稿人。

五、主持项目

(1) 国家自然科学基金青年基金项目 (51908274)：饮用水低剂量氯化消毒过程中潜在致病菌的耐药性及毒力响应机制研究，

2020.1—2022.12, 25 万元, 主持。

(2) 中国博士后科学基金面上项目 (2018M640475): 饮用水消毒影响致病菌耐药性变化特征及其健康风险研究, 2019.1—2020.12, 8 万元 (一等资助), 主持。

(3) 江苏省博士后日常资助 (2019Z216): 饮用水低剂量氯化消毒过程中潜在致病菌的耐药性及毒力响应机制研究, 2019.12—2020.6, 16 万元, 主持。

(4) 南京大学优秀博士研究生创新能力提升计划 (201701B016): 饮用水氯化消毒影响微生物耐药的分子生态学机理研究, 2017.7—2018.6, 4.2 万元, 主持。

(5) 江苏省普通高校学术学位研究生科研创新计划项目 (KYZZ16_0056): 饮用水氯化消毒对微生物耐药性影响机制及控制途径, 2016.7—2017.12, 2 万元, 主持。

六、发表论文

(1) Shuyu Jia, Kaiqin Bian, Peng Shi*, Lin Ye, Chang-Hong Liu, Metagenomic profiling of antibiotic resistance genes and their associations with bacterial community during multiple disinfection regimes in a full-scale drinking water treatment plant, *Water Research*, 2020, 176: 115721. (JCR-1, IF=9.13)

(2) Liqun Xing, Meng Tao, Qin Zhang, Ming Kong, Jie Sun, Shuyu Jia*, Chang-Hong Liu, Occurrence, spatial distribution and risk assessment of organophosphate esters in surface water from the lower

Yangtze River Basin, *Science of the Total Environment*, 2020, 734: 139380. (JCR-1, IF=6.551)

(3) Jun Li, Ying Liang, Yu Miao, Depeng Wang, Shuyu Jia*, Chang-Hong Liu, Metagenomic insights into aniline effects on microbial community and biological sulfate reduction pathways during anaerobic treatment of high-sulfate wastewater, *Science of the Total Environment*, 2020, 742: 140537. (JCR-1, IF=6.551)

(4) Shuyu Jia, Jialu Wu, Lin Ye, Fuzheng Zhao, Tong Li, Xu-Xiang Zhang*, Metagenomic assembly provides a deep insight into the antibiotic resistome alteration induced by drinking water chlorination and its correlations with bacterial host changes, *Journal of Hazardous Materials*, 2019, 379: 120841. (JCR-1, IF=9.038)

(5) Shuyu Jia, Xu-Xiang Zhang*, Yu Miao, Yanting Zhao, Lin Ye, Bing Li, Tong Zhang, Fate of antibiotic resistance genes and their associations with bacterial community in livestock breeding wastewater and its receiving river water, *Water Research*, 2017, 124: 259-268. (JCR-1, IF=7.051)

(6) Shuyu Jia, Peng Shi*, Qing Hu, Bing Li, Tong Zhang, Xu-Xiang Zhang*, Bacterial community shift drives antibiotic resistance promotion during drinking water chlorination, *Environmental Science & Technology*, 2015, 49: 12271-12279. (JCR-1, IF=5.393, ESI 高被引论文)

(7) Shuyu Jia, Xiwei He, Yuanqing Bu, Peng Shi, Yu Miao, Huiping Zhou, Zhengjun Shan, Xu-Xiang Zhang*, Environmental fate of tetracycline resistance genes originating from swine feedlots in river water, *Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes*, 2014, 49 (8): 624-631. (JCR-4, IF=1.041)

(8) Shuyu Jia, Zhu Wang, Xu-Xiang Zhang*, Bo Liu, Weixin Li, Shupeu Cheng, Metagenomic analysis of cadmium and copper resistance genes in activated sludge of a tannery wastewater treatment plant, *Journal of Environmental Biology*, 2013, 34 (2): 375-380. (JCR-4, IF=0.553)

七、相关著作

(1) Shuyu Jia and Xu-Xiang Zhang, Biological HRP in wastewater, *High-Risk Pollutants in Wastewater*, Elsevier, 2020, 15271: 41-78.

八、专利成果

(1) 张徐祥, 施鹏, 贾舒宇, 马黎萍, 吴兵, 李爱民, 程树培, 一种快速高效提取饮用水中总 DNA 的方法, 专利公开号: CN102382818A, 公开日: 2012 年 3 月 21 日, 中国。