

李舒清，南京农业大学，资源与环境科学学院环境科学与工程专业，副教授。

一、教育与工作经历

2007/09-2013/12，南京农业大学，植物营养系，博士

2004/09-2008/06，南京农业大学，国家理科基础科学研究与教学人才培养基地

2014年-至今，在南京农业大学资环院江苏省低碳农业与温室气体减排重点实验室工作。主要从事农业温室气体减排与土壤微生物学等方面的研究。

联系方式：shuqingli@njau.edu.cn

二、主持或参加科研项目（课题）及人才计划项目情况：

1. 国家重点研发计划子课题，2017YFD0800201，农业废弃物好氧转化中碳氮磷硫转化规律及损失阻控,2017/07-2020/12，85万元，在研，参加

2. 国家自然科学基金面上项目，41675148，兽用抗生素单一和复合污染对农田土壤 CH_4 和 N_2O 排放的影响及其机制,2017/01-2020/12，72万元，在研，参加

3. 国家自然科学基金面上项目，41771323，苏南地区茶园酸性土壤一氧化氮和氧化亚氮排放的同步观测研究，2018/01-2021/12，69万元，在研，参加

4. 国家自然科学基金面上项目，41771268，典型淡水养殖湿地

甲烷和氧化亚氮排放及其关联微生物机制的比较研究，
2018/01-2021/12，69万元，在研，参加

5. 国家自然科学基金青年基金，41401321，畜禽粪便堆肥中CH₄和N₂O排放及其微生物学机制研究，2015/01-2017/12，26万元，已结题，主持

三、代表性研究成果和学术奖励情况：

(1) Cheng Ji, **Shuqing Li***, Yajun Geng, Yingcheng Miao, Ying Ding, Shuwei Liu, Jianwen Zou. Differential responses of soil N₂O to biochar depend on the predominant microbial pathway. *Applied Soil Ecology*, DOI: 10.1016/j.apsoil.2019.08.010, 2020

(2) Jie Chen[#], **Shuqing Li[#]**, Chen Li, Hong Wang, Yajun Geng, Delei Kong, Shuwei Liu, Jianwen Zou. Post-seasonal effects of water-saving rice production regimes on N₂O emissions in an annual rice-barley rotation system. *CATENA*, 182, 104112, 2019.

(3) Delei Kong[#], **Shuqing Li[#]**, Yaguo Jin, Shuang Wu, Jie Chen, Tao Hu, Hong Wang, Shuwei Liu, Jianwen Zou. Linking methane emissions to methanogenic and methanotrophic communities under different fertilization strategies in rice paddies. *Geoderma*, 347:233-243, 2019.

(4) Shuang Wu[#], **Shuqing Li[#]**, Ziheng Zou, Tao Hu, Zhiqiang Hu, Shuwei Liu, Jianwen Zou. High methane emissions largely attributed to ebullitive fluxes from a subtropical river draining a rice paddy watershed in China. *Environmental Science & Technology*. 53:3499-3507, 2019.

(5) Cong Wang, Yaguo Jin, Cheng Ji, Na Zhang, Mingyang Song, Delei Kong, Shuwei Liu, Xuhui Zhang, Xiaoyu Liu, Jianwen Zou*, **Shuqing Li***, Genxing Pan An additive effect of elevated atmospheric CO₂ and rising temperature on methane emissions related to methanogenic community in rice paddies. *Agriculture*,

Ecosystems and Environment. 257:165-174, 2017.

(6) **Shuqing li**, Lina Song, Xiang Gao, Yaguo Jin, Shuwei Liu, Qirong Shen, Jianwen Zou* Microbial abundances predict methane and nitrous oxide fluxes from a windrow composting system.. 8:409, 2017.

(7) **Shuqing li**, Lina Song, Yaguo Jin, Shuwei Liu, Qirong Shen, Jianwen Zou*, Linking N₂O emission from biochar-amended composting process to the abundance of denitrify (*nirK* and *nosZ*) bacteria community, AMB Express, 2016, 6(1), 37

(8) **Shuqing Li**, Nan Zhang, Zhenghua Zhang, Jia Luo, Biao Shen, Ruifu Zhang, Qirong Shen*, Antagonist *Bacillus subtilis* HJ5 controls *Verticillium* wilt of cotton by root colonization and biofilm formation, Biology Fertility of Soils, 2013, 48: 807-816

(9) **Shuqing Li**, Dongqing Yang, Meihua Qiu, Jiahui Shao, Rong Guo, Biao Shen, Xihou Yin, Ruifu Zhang, Nan Zhang, Qirong Shen*, Complete genome sequence of *Paenibacillus polymyxa* SQR-21, a plant growth-promoting rhizobacterium with antifungal activity and rhizosphere colonization ability. Genome Announcements, 2014,2(2)

(10) Jiahui Shao[#], **Shuqing Li[#]**, Nan Zhang, Xiaoshuang Cui, Xuan Zhou, Guishan Zhang, Qirong Shen, Ruifu Zhang*, Analysis and cloning of the synthetic pathway of the phytohormone indole-3-acetic acid in the plant-beneficial *Bacillus amyloliquefaciens* SQR9, Microbial Cell Factories, 2015, 14(1):1-13

(11) Meihua Qiu[#], **Shuqing Li[#]**, Xuan Zhou, Xiaoshuang Cui, Jorge M. Vivanco, Nan Zhang, Qirong Shen, Ruifu Zhang*, De-coupling of root-microbiome associations followed by antagonist inoculation improves rhizosphere soil suppressiveness, Biology and Fertility of Soils, 2014, 50(2): 217-224

(12) **李舒清**, 张镜丹, 纪程, 顾文文, 李荣, 邹建文. 接种复合菌剂对牛粪好氧堆肥进程及温室气体(CH₄ 和N₂O)排放的影响. 南京农业大学学报, 2017, 40(6):1041-1050.