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一、教育经历

2011.9–2016.6, 南京农业大学, 土壤学, 博士（硕博连读）,
导师: 李辉信

2014.9–2015.12, McGill University, 土壤学, 联合培养博士,
导师: Joann K. Whalen

2007.9–2011.6, 江西农业大学, 农业资源与环境, 学士

二、工作经历

2020.01–至今, 南京农业大学, 土壤与生态学系, 副研究员

2019.09–2019.12, 南京农业大学, 土壤与生态学系, 讲师

2016.07–2019.07, 南京农业大学, 生态学系, 师资博士后

三、获奖情况

2017年: 江苏省优秀博士学位论文、南京农业大学优秀博士学位论文

2016年: 中国电信奖学金•天翼奖、南京农业大学“优秀博士毕业研究生”、南京农业大学“优秀共青团员”标兵

2015年: 博士研究生国家奖学金

四、学术兼职

2020.04–至今 任 Soil Biology & Biochemistry Subject editor

五、主持项目

主持项目

1. 国家科技基础资源调查专项课题, 2018FY10030004, 东部农区土壤线虫多样性及物种分布调查, 2019-2023, 21 万, 在研, 子课题负责人

2. 国家自然科学基金青年基金, 41701271, 抗生素抗性细菌对食细菌线虫繁殖能力的影响机制, 2018.1-2020.12, 25 万, 在研, 主持

3. 中国博士后科学基金面上资助项目, 2016M600421, 土壤线虫耐干旱的表型特征及内在分子机制, 2016.9-2018.9, 8 万, 已题, 主持

参与项目

1. 国家自然科学基金面上项目, 41877056, 有机物质量介导的农田土壤线虫群落及生态功能研究, 2019.1-2022.12, 62 万, 在研, 参与

2. 国家自然科学基金面上项目, 41977047, 蚯蚓对不同深度农田土壤有机碳储量和稳定性的影响及机制, 在研, 参与

3. 国家自然科学基金面上项目, 41877057, 蚯蚓分泌物对土壤食细菌线虫取食偏好的影响及作用机制, 在研, 参与

4. 国家自然科学基金面上项目, 41571244, 土壤线虫提高细菌合成吲哚乙酸 (IAA) 能力的分子机制, 2016.1-2018.12, 75.6 万, 已结题, 参与

5. 农业部公益性行业专项, 201103004, 利用有机(类)肥料调控我国土壤微生物区系关键技术研究, 2011.1-2015.12, 80.0 万, 已结题, 参与

六、发表论文

第一作者

1. **Ting Liu**, Lihua Yang, Zhengkun Hu, Jinrong Xue, Yanyan Lu, Xiaoyun Chen, Bryan S. Griffiths, Joann K. Whalen, Manqiang Liu (2020). Biochar exerts negative effects on soil fauna across multiple trophic levels in a cultivated acidic soil. *Biology and Fertility of Soils*. <https://doi.org/10.1007/s00374-020-01436-1>
2. **Ting Liu**, Xiaoyun Chen, Xin Gong, Ingrid M. Lubbers, Yangyang Jiang, Wen Feng, Xianping Li, Joann K. Whalen, Michael Bonkowski, Bryan S. Griffiths, Feng Hu, Manqiang Liu (2019). Earthworm coordinate soil biota to improve multiple ecosystem functions. *Current Biology* 29: 3420-3429.
3. **Ting Liu**, Feng Hu, Huixin Li (2019). Spatial ecology of soil nematodes: perspectives from global to micro scales. *Soil Biology & Biochemistry* 137: 107565.
4. **Ting Liu**, Li Yu, Mengsha Li, Jun Wu, Huixin Li, Joann K. Whalen, Feng Hu (2018). Food familiarity does not change nematode feeding behavior. *Soil Biology & Biochemistry* 125: 136-143.
5. **Ting Liu**, Xiaoyun Chen, Lin Qi, Fajun Chen, Manqiang Liu, Joann K. Whalen (2018). Root and detritus of transgenic Bt crop did not change nematode abundance and community composition but enhanced trophic connections. *Science of the Total Environment* 644: 822-829.
6. **Ting Liu**, Li Yu, Jingjing Xu, Xiaomei Yan, Huixin Li, Joann K. Whalen, Feng Hu (2017). Bacterial traits and quality contribute to the diet choice and survival of bacterial-feeding nematodes. *Soil Biology & Biochemistry* 115: 467-474.
7. Xiaoyun Chen, **Ting Liu**, Xiuqiang Li, Huixin Li, Fajun Chen, Manqiang Liu, Joann K. Whalen (2017). Soil nematode community varies between rice cultivars but is not affected by transgenic Bt rice expressing Cry1Ab or Cry1Ab/Cry1Ac. *Biology and Fertility of Soils* 53: 501-509. (共同一作)
8. **Ting Liu**, Xiaoyun Chen, Feng Hu, Ran Wei, Qirong Shen, Huixin Li, Joann Whalen (2016). Carbon-rich organic fertilizers to increase soil biodiversity: evidence from a meta-analysis of nematode communities. *Agriculture, Ecosystems and Environment* 232: 199-207.
9. **Ting Liu**, Joann Whalen, Yong Li, Qirong Shen, Huixin Li (2016). Soil nematode community response to fertilization in the rhizosphere and bulk soils of a rice-wheat agroecosystem. *Nematology* 18: 727-741.

10. **Ting Liu**, Joann Whalen, Wei Ran, Qirong Shen, Huixin Li (2016). Bottom-up control of fertilization on soil nematode communities differs between crop management regimes. *Soil Biology & Biochemistry* 95: 198-201.
11. **Ting Liu**, Joann Whalen, Qirong Shen, Huixin Li (2016). Increase in soil nematode abundance due to fertilization was consistent across moisture regimes in a paddy rice-upland wheat system. *European Journal of Soil Biology* 72: 21-26.
12. Kechang Niu, **Ting Liu**, Qirong Shen, Huixin Li (2015). Does body size-abundance allometry in soil fauna vary with environment? A field test for nematode communities in response to fertilization. *Soil Biology & Biochemistry* 91: 268-270.
(共同一作)
13. **Ting Liu**, Rui Guo, Wei Ran, Joann K. Whalen, Huixin Li (2015). Body size is a sensitive trait-based indicator of soil nematode community response to fertilization in rice and wheat agroecosystems. *Soil Biology & Biochemistry* 88: 275-281.
14. 刘婷, 叶成龙, 李勇, 陈小云, 冉炜, 沈其荣, 胡锋, 李辉信 (2015). 不同有机类肥料对小麦和水稻根际土壤线虫的影响. *生态学报* 35 (19): 6259-6268.
15. 刘婷, 叶成龙, 陈小云, 冉炜, 沈其荣, 胡锋, 李辉信 (2013). 不同有机肥源及其与化肥配施对稻田土壤线虫群落结构的影响. *应用生态学报* 24 (12): 3508-3516.

合作论文

1. Fei Yu, Chunkai Li, **Ting Liu**, Teng Li, Feng Hu, Huixin Li, Jiaguo Jiao (2019). Earthworm mucus interfere in the behavior and physiology of bacterial-feeding nematodes. *Applied Soil Ecology* 143: 107-115.
2. Peng Li, Kun Shi, Yuanyuan Wang, Dening Kong, **Ting Liu**, Jiaguo Jiao, Manqiang Liu, Huixin Li, Feng Hu (2019). Soil quality assessment of wheat-maize cropping system with different productivities in China: Establishing a minimum data set. *Soil and Tillage Research* 190: 31-40.
3. Fengge Zhang, Chao Gao, Jichen Wang, Yinglin Lu, Zongzhan Shen, **Ting Liu**, Diwen Chen, Wei Ran, Qirong Shen (2017). Coupling sugarcane yield to soil nematodes: Implications from different fertilization regimes and growth stages. *Agriculture, Ecosystems & Environment* 247: 157-165.