

## **Rong Li**

### **Associate Professor of Agricultural Resources and Environmental Sciences**

Address: B224

Phone Number: 02584395535

Email: lirong@njau.edu.cn

#### **Education:**

- Sep.2005—Jun.2010 Ph. D. in Microbiology, Nanjing Agricultural University, China
- Sep.2001—Jun.2005 BS in Biological science, Nanjing Agricultural University, China

#### **Research interests and expertise:**

- I focus on the following research areas: agricultural waste disposal, organic fertilizer and bioorganic fertilizer development, and soil borne disease suppression. The main aim is to decipher the biological processes involved in the above topics.

#### **Current projects:**

- National Natural Science Foundation of China (31572212), 2016.1 -2019.12
- Main participant of 973 project (2015CB150506), 2015.01-2019.12
- National Key Research and Development Program (2018YFD0500201), 2018.6-2020.12

#### **Selected publications:**

- Wu Xiong, Alexandre Jousset, Sai Guo, Ida Karlsson, Qingyun Zhao, Huasong Wu, George A Kowalchuk, Qirong Shen, Rong Li, Stefan Geisen. Soil protist communities form a dynamic hub in the soil microbiome. *The ISME Journal*, 2018, 12:634–638
- Wu Xiong, Sai Guo, Alexandre Jousset, Qingyun Zhao, Huasong Wu, Rong Li, George A. Kowalchuk, Qirong Shen. Bio-fertilizer application induces soil suppressiveness against *Fusarium* wilt disease by reshaping the soil microbiome. *Soil Biology & Biochemistry* 2017, 114: 238-247
- Lin Fu, C. Ryan Penton, Yunze Ruan, Zongzhuan Shen, Chao Xue, Rong Li, Qirong Shen. Inducing the rhizosphere microbiome by biofertilizer application to suppress banana *Fusarium* wilt disease. *Soil Biology & Biochemistry*, 2017, 104: 39-48
- Zongzhuan Shen, Chao Xue, C. Ryan Penton, Linda S. Thomashow, Na Zhang, Beibei Wang, Yunze Ruand, Rong Li, Qirong Shen. Suppression of banana Panama disease induced by soil microbiome reconstruction through an integrated agricultural strategy. *Soil Biology & Biochemistry*, 2019, 128: 164–174
- Hongjun Liu, Wu Xiong, Ruifu Zhang, Xinnan Hang, Dongsheng Wang, Rong Li, Qirong Shen. Continuous application of different organic additives can suppress tomato disease by inducing the healthy rhizospheric microbiota through alterations to the bulk soil microflora. *Plant and Soil*, 2018, 423: 229–240

