

## **CURRICULUM VITAE- Xin-Min Lu**

College of Plant Sciences & Technology,  
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### **EDUCATIONAL HISTORY**

Chinese Academy of Sciences, 2006/9-2009/7, PhD in Botany  
Zhejiang University, 2003/9-2006/7, M.S in Entomology  
Anhui Agriculture University, 1999/9-2003/7, B.S in Crop Protection.

### **PROFESSIONAL EXPERIENCE**

Professor, College of Plant Sciences & Technology, Huazhong Agricultural University, 2019/1-present  
Professor, College of Life Sciences, Central China Normal University, 2017/1-2019/1  
Associate Professor, Wuhan Botanical Garden, Chinese Academy of Sciences, 2011/9-2017/1  
Assistant Professor, Wuhan Botanical Garden, Chinese Academy of Sciences, 2009/7-2011/9  
Visiting Scholar (Professor Evan Siemann's Lab), Dept. of Biosciences, Rice University, 2014/1-2015/1  
Visiting Scholar (Professor Stephen Wratten's Lab), Bio-protection Center, Lincoln University, 2014/6

### **RESEARCH AREAS**

Biological Invasions, Global Climate Change, Plant-Insect Interactions, Population and Community Ecology, Soil-Plant-Insect Interactions

### **Manuscripts in preparation**

Xuefei Tang, Hao Xu, Chunqiang Wei, Evan Siemann, **Xinmin Lu**\*: Metabolome variations lead to different soil-plant-insect interactions between an invasive plant and its native congener. Under review.  
Lunlun Gao, Chunqiang Wei, Hao Xu, Xiaoyan Liu, Evan Siemann, **Xinmin Lu**\*. Plant invasions over climate in shaping soil fungal pathogens across latitude.

Under review.

Meiling Wang, Xuefei Tang, Xiaoqiu Sun, Bingbing Jia, Hao Xu, Suai Jiang, Evan Siemann, **Xinmin Lu\***. An invasive plant rapidly increased the similarity of soil fungal pathogen communities. *Annals of Botany* (Considering accepted)

### **Selected Peer-Reviewed Publications**

**Xinmin Lu\***, Minyan He, Saichun Tang, Yuqing Wu, Xu Shao, Hui Wei, Evan Siemann, Jianqing Ding\*. 2019. Herbivory may promote a non-native plant invasion at low but not high latitudes. *Annals of Botany*. 124:819-827

**Xinmin Lu<sup>#,\*</sup>**, Minyan He<sup>#</sup>, Jianqing Ding\*, Evan Siemann. 2018. Latitudinal variation in soil biota: testing the biotic interaction hypothesis with an invasive plant and a native congener. *The ISME Journal*. 12: 2811-2822

**Xinmin Lu\***, Evan Siemann, Minyan He, Hui Wei, Xu Shao, Jianqing Ding\*. 2016. Warming benefits a native species competing with an invasive congener in the presence of a biocontrol beetle, *New Phytologist*. 211:371-1381

**Xinmin Lu**, Evan Siemann, Minyan He, Hui Wei, Xu Shao, Jianqing Ding\*. 2015. Climate warming increases biological control agent impact on a non-target species. *Ecology Letters*, 18:48-56 (**F1000 recommended**)

**Xinmin Lu**, Evan Siemann, Hui Wei, Xu Shao, Jianqing Ding\*. 2015. Effects of warming and nitrogen on above- and belowground herbivory of an exotic invasive plant and its native congener *Biological Invasions*, 17:2881-2892

Hongjun Dai<sup>#</sup>, **Xinmin Lu<sup>#</sup>**, Jianqing Ding\*, Jialiang Zhang. 2014. Responses of a native beetle to novel exotic plant species with varying invasion history. *Ecological Entomology*, 39:118-124 (**Editor's Choice**)

**Xinmin Lu**, Evan Siemann, Xu Shao, Hui Wei and Jianqing Ding\*. 2013. Climate warming affects biological invasions by shifting interactions of plants and herbivores. *Global Change Biology*, 19: 2339-2347

**Xinmin Lu**, Jianqing Ding\*. 2012. History of exposure to herbivores increases the compensatory ability of an invasive plant. *Biological Invasions*, 14:649-658.

### **International Conference Presents**

**Xinmin Lu\***, Evan Siemann, Jianqing Ding. A biocontrol agent may benefit a native plant in competing with an invasive plant under warming climate. The XIX International Botanical Congress. Shenzhen, 7-23-29

**Xinmin Lu\***, Evan Siemann, Jianqing Ding. Climate warming increases biological control agent impact on a non-target species. The XXV International Congress of

Entomology (ICE 2016). Orlando, Florida, 2016, 9.25-30

### **Academic Services**

Member of the first Invasion Ecology Committee of the Ecological Society of China (2/2017-present).

Organizer of the Symposium “Plant invasion risk, control and ecosystem security” in 2017 XIX International Botanical Congress. Shenzhen. China.

Co-organizer of the Symposium “Biological Control Under Climate Change” in 2016 XXV International Congress of Entomology. Florida. USA.

### **Research Grants**

“Role of soil biota in non-native plant invasions”, NSFC, RMB 600,000, 1/2019-12/2023, sole PI.

“Role of soil biota on plant invasions and its response to climate warming”, Hubei Provincial Natural Science funds for Distinguished Young Scholar, RMB 100,000, 1/2016-12/2019, sole PI.

“Above-ground and below-ground regulation networks of exotic invasive plants and responses to climate warming”, NSFC, RMB 748,000, 1/2016-12/2019, sole PI.

“Ecological trap to native insect driven by exotic plant invasion and its response to climate warming”, NSFC, RMB 800,000, 1/2014-12/2017, sole PI

“Effects of soil feedbacks effects on exotic plant invasions and response to climate warming”, Distinguished Young Scientist Project of Wuhan Botanical Garden, 300,000RMB, 1/2016-12/2018, sole PI

“Screening natural enemies in China for Biological Control of privet, *Ligustrum sinense* in the USA”, USDA, 500,000RMB, 1/2011-12/2013.