



徐毅

职 称：教授，博士生导师

邮 箱：xuyiqdpd@njau.edu.cn

联系电话：025-84399027

办公地址：理科南楼 F219

研究方向：

病毒病害调控和介体免疫

教育经历：

2008.09 – 2013.06 浙江大学农业与生物技术学院，农学博士

2004.09 – 2008.06 南京农业大学生物学科基地班，理学学士

工作经历：

2019.06- 至今 南京农业大学植物保护学院，教授，博导

2014.03 – 2019.03 康奈尔大学植物病理系，博士后和研究助理

承担课题：

1. 植保学院优秀青年创新人才培养项目 2019-2021
2. 南京农业大学高层次人才科研启动项目 2019-2024

代表性科研成果：

1. **Yi Xu**, Washington Da Silva, Yajuan Qian, Stewart Gray. 2018. An aromatic amino acid and associated C-terminal helix of the potato leafroll virus minor capsid protein

regulates systemic virus infection and symptom expression. PLoS Pathogens 15;14(11):e1007451.

2. **Yi Xu**, Ho-Jong Ju, S. DeBlasio, E.J. Carino, R. Johnson, M. MacCoss, M. Heck, W.A. Miller, S.M. Gray. 2018. A stem-loop structure in potato leafroll virus ORF5 is essential for readthrough translation of the coat protein ORF stop codon 700 bases upstream. Journal of Virology 92:e01544-17.
3. Shuai Fu#, **Yi Xu**#, Chenyang Li, Yi Li, Jianxiang Wu, Xueping Zhou. 2017. Rice stripe virus interferes with S-acylation of Remorin and induces its autophagic degradation to facilitate virus infection. Molecular Plant 5;11(2):269-287. (#共同一作)
4. Xiu Su, Shuai Fu, Yajuan Qian, Liqin Zhang, **Yi Xu*** & Xueping Zhou*. 2016. Discovery and small RNA profile of Pecan mosaic-associated virus, a novel potyvirus of pecan trees. Scientific Reports, 6, 26741. (*通讯)
5. **Xu Y**, Wu JX, Fu S, Li C Y, Zhu ZR, Zhou XP. 2015. Rice stripe *Tenuivirus* nonstructural protein 3 hijacks the 26S proteasome of the small brown planthopper via direct interaction with regulatory particle non-ATPase subunit 3. Journal of Virology 89(8):4296-4310.
6. Xiu Su, Shuai Fu, Yajuan Qian, **Yi Xu*** and Xueping Zhou*. 2015. Identification of Hop stunt viroid infecting *Citrus limon* in China using small RNAs deep sequencing approach. Virology Journal (*通讯)
7. Yao M#, Liu X#, Li S#, **Xu Y**#, Zhou Y, Zhou X, Tao X. 2014. Rice stripe tenuivirus NSvc2 glycoproteins targeted to the golgi body by the N-terminal transmembrane domain and adjacent cytosolic 24 amino acids via the COP I- and COP II-dependent secretion pathway. Journal of Virology 88(6):3223-34. (#共同一作)
8. **Yi Xu**, Lingzhe Huang, Zhencheng Wang, Shuai Fu, Jing Che, Yajuan Qian, Xueping Zhou. 2014. Identification of himetobi P virus in the small brown

planthopper by deep sequencing and assembly of virus-derived small interfering RNAs. *Virus Research* 179: 235-40.

9. Lingfang Kong, Jianxiang Wu, Lina Lu, **Yi Xu**, Xueping Zhou. Interaction between rice stripe virus disease-specific protein and host PsbP enhances virus symptoms. *Molecular Plant* 7(4):691-708.
10. **Yi Xu**, Lingzhe Huang, Shuai Fu, Jianxiang Wu, Xueping Zhou. 2012. Population diversity of rice stripe virus-derived siRNAs in three different hosts and RNAi-based antiviral immunity in *Laodelphax striatellus*. *PLoS ONE* 7 (9):e46238.
11. **Yi Xu**, Xueping Zhou. Role of Rice stripe virus NSvc4 in cell-to-cell movement and symptom development in *Nicotiana benthamiana*. 2012. *Frontiers in Plant Science* 7 (3):269.
12. **Yi Xu**, Wenwu Zhou, Yijun Zhou, Jianxiang Wu, Xueping Zhou. 2012. Transcriptome and comparative gene expression analysis of *Sogatella furcifera* (Horvath) in response to southern rice black-streaked dwarf virus. *PLoS ONE* 7 (4):e36238.

社会服务工作:

APS-Northeastern Division 提名委员会主席 2017.04-2019.04; APS, MPMI membership;

荣誉奖励:

教育部高等学校科学技术进步奖一等奖; 参与, 2016