王暄

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研究方向：植物病原线虫学

- ✧ 线虫与寄主互作的分子机制
- ✧ 线虫毒性变异机理
- ✧ 线虫病害的发生规律及防控技术

个人简历

工作经历

- ✧ 2018/01-至今　南京农业大学植物保护学院　教授
- ✧ 2013/01-2017/12　南京农业大学植物保护学院　副教授
- ✧ 2015/03-2016/03　英国詹姆士赫顿研究所　访问学者
- ✧ 2009/01-2012/12　南京农业大学植物保护学院　讲师

学习经历

- ✧ 2003/09-2008/12　南京农业大学植物病理学系　农学博士
- ✧ 1999/09-2003/06　南京农业大学植物保护学院　农学学士

研究课题

1. 国家自然科学基金面上项目（31872923）　2019.01-2022.12　主持
2. 中央高校基本科研业务费（KYZ201615）　2016.01-2018.12　主持
3. 国家自然科学基金面上项目（31371922）　2014.01-2017.12　主持
4. 公益性行业科研专项（201103018）　2011.01-2015.12　子课题负责人
5. 国家自然科学基金青年基金（30900939）　2010.01-2012.12　主持

研究成果

代表性论文

1. **Wang, X.,** Xue, B., Dai, J., Qin, X., Liu, L., Chi, Y., Jones, J. & Li, H*. A novel *Meloidogyne incognita* chorismate mutase effector suppresses plant immunity by manipulating the salicylic acid pathway and functions mainly during the early stages of nematode parasitism. Plant Pathology 2018, 67:1436-1448.
2. **Wang, X.**, Ma, J., Liu, H., Liu, R. & Li, H*. Development and characterization of EST-derived SSR markers in the cereal cyst nematode *Heterodera avenae*. European Journal of Plant Pathology 2018, 150:105-113.

3. **Wang, X.**, Gu, J., Maria, M., Fang, Y. & Li, H*. *Bursaphelenchus decraemerae* n. sp. (Tylenchina: Aphelenchoididae) found in packaging wood from USA. Nematology 2018, 20:119-131.
4. **Wang, X.,** Maria, M., Gu, J., Fang, Y., Wang, J. & Li, H*. *Bursaphelenchus moensi* n. sp. (Tylenchina: Aphelenchoididae) found in packaging wood from United States of America. Nematology 2018, 20:133-146.
5. **Wang, X.,** Maria, M., Gu, J., Fang, Y., Wang, J. & Li, H*. *Bursaphelenchus geraerti* n. sp. (Tylenchina: Aphelenchoididae) found in packaging wood from United Arab Emirates. Nematology 2018, 20:583-585.
6. Guan, T., Shen, J., Fa, Y., Su, Y., **Wang, X*.,** & Li, H*. Resistance-breaking population of *Meloidogyne incognita* utilizes plant peroxidase to scavenge reactive oxygen species, thereby promoting parasitism on tomato carrying *Mi-1* gene. Biochemical and Biophysical Research Communications 2017, 482:1-7.
7. Ju Y., **Wang, X***., Guan, T., Peng, D. & Li. H*. Versatile glycoside hydrolase family 18 chitinases for fungi ingestion and reproduction in the pinewood nematode *Bursaphelenchus xylophilus*. International Journal for Parasitology 2016, 46:819-828.
8. Le, X., **Wang, X***., Guan, T., Ju, Y., & Li, H*. Isolation and characterization of a fatty acid- and retinoid-binding protein from the cereal cyst nematode *Heterodera avenae*. Experimental Parasitology 2016, 167:94-102.
9. Chi, Y#., **Wang, X#.,** Le, X., Ju, Y., Guan, T. & Li, H*. Exposure to double-stranded RNA mediated by tobacco rattle virus leads to transcription up-regulation of effector gene Mi-vap-2 from *Meloidogyne incognita* and promotion of pathogenicity in progeny. International Journal for Parasitology 2016, 46:105-113.
10. **Wang, X.**, Guan, T., Zhang, L. & Li, H*. Cloning of a serine protease gene from the nematophagous fungus *Esteya vermicola* and expressed activity of the recombinant enzyme against *Bursaphelenchus xylophilus*. Nematology 2015, 17:1071-1080.
11. **Wang, X.,** Wang, T., Wang, J. , Guan, T. & Li, H*. Morphological, molecular and biological characterization of *Esteya vermicola*, a nematophagous fungus isolated from intercepted wood packing materials exported from Brazil. Mycoscience 2014, 55:367-377.
12. Gu, J., Wang, N., He, J., Wang, J., Chen, X and **Wang, X***. *Bursaphelenchus posterovulvus* sp. n. (Nematoda: Parasitaphelenchidae) in packaging wood from Singapore. Nematology 2014, 16:403-410.
13. Gu, J., Wang, J., Chen, X. and **Wang, X***. Description of *Ektaphelenchus ibericus* n. sp. (Nematoda: Ektaphelenchinae) found in packaging wood from Spain. Nematology 2013, 15:871-878.
14. **Wang, X.**, Wang, P., Gu, J., Wang, J. &Li, H*. Description of Aphelenchoides *xui* n. sp. (Nematoda: Aphelenchoididae) in packaging wood fromSouth Africa. Nematology 2013, 15:279-289.

授权专利

1. 一种用于山茶根结线虫 LAMP 快速检测的引物组合物及其应用，ZL201410183373.7
2. 一种用于水稻干尖线虫 LAMP 快速检测的引物组合物及其应用，ZL201410081273.3

3. 一种禾谷孢囊线虫与菲利普孢囊线虫双重 PCR 检测方法及应用，ZL201510789990.6

科研奖励

1. 2017 年江苏省科技进步奖三等奖，排名第 6
2. 2017 年度中国商业联合会科技进步奖一等奖，排名第 11
3. 2016 年植物保护学会科学研究类一等奖，排名第 11。
4. 2016 年淮安市科技进步奖二等奖，排名第 7

主要荣誉及兼职

2018 年度荣获南京农业大学植物保护学院“优秀共产党员”

中国植物病理学会、美国植物病理学会、欧洲线虫学会会员

Molecular plant-microbe interactions，Molecular plant pathology、Plant pathology 和 Gene 等期刊的审稿人。