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香蕉枯萎病灾变机制与可持续防控研究团队-郑丽

2022年11月10日 04:04



团队名称: 香蕉枯萎病灾变机制及可持续防控技术研究团队

团队负责人:

郑丽, 博士(后), 陕西富平人, 副教授, 海南省拔尖人才, 南海青年名家。主要从事香蕉枯萎病研究, 目前主持国家自然科学基金2项, 海南省重点研发计划项目2项, 中国博士后科学基金等共8项, 参与海南省重大科技专项计划项目1项。以第一作者或通讯作者在Environmental Microbiology、Frontiers in Plant Science、Rice Science、Viruses-Basel、Virology等专业领域发表SCI论文20余篇。第一完成人授权国家发明专利1项, 参编了《槟榔主要病虫害原色图谱》和普通高等教育农业农村部“十三五”规划教材《农药专业英语》第二版中的部分章节。

团队研究方向: 以香蕉枯萎病病原尖孢镰刀菌(Fusarium oxysporum)为主要研究对象, 利用分子生物学、生物信息学和各种组学技术, 开展病原真菌功能和进化基因组学研究, 旨在全面揭示香蕉枯萎病菌的致病分子调控机理, 为制定和发展新的病害防控策略奠定理论基础。

团队代表性成果:

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3. Zhang Yanhui, Zhao Jing, Liang Xiaofei, **Zheng Li***, Kang Zhensheng* (2020) A novel narnavirus isolated from the wheat stripe rust fungus *Puccinia striiformis* f. sp. *tritici*. **Archives of Virology**, 165:1011-1014.
4. Zhou Jia, Wang Yuhua, Liang Xiaofei, Xie Changping, Liu Wenbo, Miao Weiguo, Kang Zhensheng, **Zheng Li*** (2020) Molecular Characterization of a Novel Ourmia-Like Virus Infecting *Phoma matteuccicola*. **Viruses-Basel**, 12(2): 231.
5. **Zheng Li**, Zhao Jing, Liang Xiaofei, Zhuang Hua, Qi Tuo, Kang Zhensheng* (2019) Complete genome sequence of a novel mitovirus from the wheat stripe rust fungus *Puccinia striiformis*. **Archives of Virology**, 164: 897-901.
6. **Zheng Li**, Lu Xia, Liang Xiaofei, Jiang Shuchang, Zhao Jing, Zhan Gangming, Liu Peng, Wu Jianhui, Kang Zhensheng* (2017a) Molecular characterization of novel totivirus-like double-stranded RNAs from *Puccinia striiformis* f. sp. *tritici*, the causal agent of wheat stripe rust. **Frontiers in Microbiology**, 8:1960.
7. **Zheng Li**, Zhao Jie, Liang Xiaofei, Zhan Gangming, Jiang Shuchang, Kang Zhensheng* (2017b) Identification of a novel *Alternaria alternata* strain able to hyperparasitize *Puccinia striiformis* f. sp. *tritici*, the causal agent of wheat stripe rust. **Frontiers in Microbiology**, 8: 71.
8. **Zheng Li**, Liu Chen, Zhang Meiling, Yang Mei, Zhou Erxun* (2018) Diversity of dsRNA viruses infecting rice sheath blight fungus *Rhizoctonia solani* AG-1 IA. **Rice Science**, 25: 57-60.
9. 王田, 陈代朋, 高雅, 王渝华, 周思语, 付羽佳, 郑丽*. (2022) 香蕉枯萎病菌效应蛋白研究进展. 农业生物技术学报, 30: 1614-1621.

