

CURRICULUM VITAE

Personal Information			
Name	Fang Ding	Gender	Female
Position Title	Associate Professor		
Working Department	College of Plant Science and Technology		
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Address	No.1 Shizishan street College of Plant Science and Technology Huazhong Agricultural University Wuhan, Hubei 430070, P.R. China		
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Research Interest			
<p>The current research projects mainly focus on citrus Huanglongbing and some other viral diseases of citrus. Major emphasis of pathogen identification, disease characterization, and characterization of host-parasite interactions. For future research we'll concentrate on the studies of genetic diversity of pathogens and molecular mechanism of pathogenicity and host defense-related responses to different pathogens, which will be a great help for the integrated disease management strategies and benefit for the long-term healthy development of citrus industry.</p>			
Professional Memberships			
<p>2010-present Member of American Phytopathological Society</p> <p>2006-present Member of Chinese Society of Plant Pathology</p>			
Other Roles			
<p>Journal Referee for</p> <p>International: Plant Pathology; European Journal of Plant Pathology; Scientia Horticulturae Agricultural Science Research Journal; Horticultural Plant Journal, AMB Express et al.</p> <p>China: Acta Horticulturae Sinica; Plant Pathology; Molecular Plant Breeding; Fujian Journal of Agricultural Sciences et al.</p>			
Education & Working Experience			
<p>Education</p> <p>09/1997-06/2001 B.Sc. Plant Protection department, Huazhong Agricultural University, Wuhan, 430070, Hubei P. R. China</p> <p>09/2001-06/2006 M.Sc and Ph.D. College of Plant Science and Technology, Huazhong Agricultural University, Wuhan, Hubei P. R. China (Supervisor: Prof. Guoping Wang). Fruit Tree Research Institute, Guangdong academy of Agricultural Science, Guangzhou, 510640, Guangdong, P. R. China (Vice supervisor: Prof. Ganjun Yi). Ph. D thesis: Research on Molecular Characteristic of</p>			



Citrus Huanglongbing Pathogen and Viruses Mix-infected and the Elimination by Cryopreservation Protocol.

Working experience

10/2015- Present Associate professor. College of Plant Science and Technology, Huazhong Agricultural University, Wuhan, China. I am also a permanent staff of the National Key Laboratory of Agromicrobiology and National Indoor Conservation Center of Virus-free Germplasm of Fruit Crops and Hubei Key Laboratory of Plant Pathology, Huazhong Agricultural University, Wuhan 430070 P.R. China.

10/2012-09/2015 Visiting Scientist (Supervisor: Dr. John. S. Hartung). Molecular Plant Pathology Laboratory. USDA-ARS (MD). Research projects: Serological detection and identification of HLB bacteria from citrus.

12/2010-09/2012 Research Scholar (Supervisor: Dr. Yongping Duan). U.S. Horticultural Research Laboratory. USDA-ARS (FL). Research projects: Response of prophages in *Ca. Liberibacter* under stress conditions.

01/2009-11/2010 Associate professor. College of Plant Science and Technology, Huazhong Agricultural University.

07/2006-12/2008 Lecture. College of Plant Science and Technology, Huazhong Agricultural University, Wuhan, Hubei 430070, China.

Publications

1. Zhang, D. Hussain, A. Manghwar, H. Xie, K. Xie, S. Zhao, S. Larkin, R. M. Qing, P. Jin, S. **Ding, F***. Genome editing with the CRISPR-Cas system: an art, ethics and global regulatory perspective. *Plant Biotechnology J.* 2020. DOI: 10.1111/pbi.13383.
2. **Ding, F.** Peng, S.A. Hartung, J. S*. Enhanced serologically based detection of *Liberibacter* associated with citrus Huanglongbing. *Plant Disease.* 2020.104(6):1584-1588.
3. **Ding*** F, Allen V, Luo WQ. Zhang SA and Duan* YP. Molecular mechanisms underlying heat or tetracycline treatments for citrus HLB control. *Horticulture Research.* 2018. 5:30.
4. **Ding F,** Paul C, Brlansky R and Hartung J.S (2017). Immune tissue print and immune Capture-PCR for diagnosis and detection of *Candidatus Liberibacter Asiaticus*. *Scientific Reports.*7:46467
5. **Ding F,** Duan Y, Yuan Q, Shao J, and Hartung J.S (2016). Serological detection of '*Candidatus Liberibacter asiaticus*' in citrus, and identification by GeLC-MS/MS of a chaperone protein responding to cellular pathogens. *Scientific Reports.* 6:29272
6. **Ding F,** Duan Y, Paul C, Brlansky RH, Hartung JS (2015) Localization and Distribution of '*Candidatus Liberibacter asiaticus*' in Citrus and Periwinkle by Direct Tissue Blot Immuno Assay with an Anti-OmpA Polyclonal Antibody. *PLoS ONE* 10(5): e0123939. doi:10.1371/journal.pone.0123939
7. Guixia Hao, Marco Pitino, **Fang Ding,** Hong Lin, Ed Stover and Yongping Duan. Induction of innate immune responses by flagellin from the intracellular bacterium, '*Candidatus Liberibacter solanacearum*'. *BMC Plant Biology* 2014, 14: 211. doi:10.1186/s12870-014-0211-9
8. Hoffman MT1, Doud MS, Williams L, Zhang MQ, **Ding F,** Stover E, Hall D, Zhang S, Jones L, Gooch M, Fleites L, Dixon W, Gabriel D, Duan YP. Heat Treatment Eliminates '*Candidatus Liberibacter asiaticus*' from Infected Citrus Trees under Controlled Conditions. *Phytopathology.* 2013, 103(1):15-22. doi: 10.1094/PHYTO-06-12-0138-R.
9. Zhang Y, Yin J, Jiang D, Xin Y, **Ding F,** et al. A Universal Oligonucleotide Microarray with a Minimal Number of Probes for the Detection and Identification of Viroids at the Genus Level.

PLoS ONE 2013, 8(5): e64474.

10. **Fang Ding**, Xiuxin Deng, Ni Hong, Yun Zhong, Ganjun Yi and Guoping Wang,. 2009. Phylogenetic Analysis of Citrus Huanglongbing Bacterium based on the Sequences of 16S rDNA and 16S rDNA/23S rDNA Intergenic Regions among isolates in China. **European Journal of Plant Pathology**, 124: 495-503
11. **Fang Ding**, Shuangxia Jin, Ni Hong, Yun Zhong, Qing Cao, Ganjun Yi and Guoping Wang. 2008. Vitrification–cryopreservation, an efficient method for eliminating *Candidatus Liberobacter asiaticus*, the citrus Huanglongbing pathogen, from in vitro adult shoot tips. **Plant Cell Reports**, 27(2), 241-250
12. **Fang Ding**, Hong Ni, Zhong Yun, Yi Ganjun, and Wang Guoping. 2008. Cloning and analyzing of 5'A and F' variation sequences of *Citrus tristeza virus* genomic RNA of isolates from different regions. **Acta Phytopathologica Sinica** 38 (3): 252-257
13. **Fang Ding**, Hong Ni, Zhong Yun, Yi Ganjun, and Wang Guoping. 2008. Studies on 16S rDNA Sequence of Citrus Huanglongbing Bacteria in China. **Acta Horticulturae Sinica**. 35 (5) : 649 - 654
14. **Ding Fang**, Wang Guoping, Yi Ganjun, Hong Ni, and Zhong Yun. 2007. Comparison of detection sensitivity of different primer pairs for citrus huanglongbing pathogen. **Acta phytophylacia Sinica**, 34(4), 364-368
15. **Fang Ding**, Yi Ganjun, Wang Guoping, Cao Qing, Hong Ni, and Zhong Yun. 2007. Cloning and analyzing a full length cDNA of *Citrus exocortis viroid* YC isolate from Guang Dong. **Molecular Plant Breeding**.5(6):871-874
16. **Fang Ding**, Qing Cao, Guoping Wang, Ganjun Yi, and Yun Zhong. 2006, Studies on the Simultaneous Detection of Citrus Huanglongbing Pathogen, Citrus exocortis viroid, Citrus tristeza virus by Multiplex RT-PCR. **Acta Horticulturae Sinica**. 33 (5) : 947-952
17. Xiao Yuanhui; **Ding Fang**; Zeng Jiwu; Yi Ganjun; Zhang Qiuming. 2006, Simultaneous detection of Citrus Huanglongbing and Citrus tristeza virus by multiplex RT-PCR. **Journal of Fruit Science**. 23(4) : 642-645
18. **Fang Ding**, Guoping Wang, Ganjun Yi, Yun Zhong. 2005, Infection of Wampee and Lemon by Citrus Huanglongbing pathogen (*Candidatus Liberibacter asiaticum*) in China. **Journal of Plant Pathology**, 87(3):207-212
19. **Fang Ding**, Guoping Wang, Ganjun Yi. 2004, Research on the PCR and Nested-PCR Detection of Citrus Huanglongbing Pathogen. **Acta Horticulturae Sinica**, 31 (6) : 803-806
20. **Fang Ding**, Guoping Wang, Ganjun Yi. 2004, PCR detection of Citrus Huanglongbing pathogen. **Horticulturae of Guangdong**. 5 (1): 60-62
21. **Fang Ding**, Guoping Wang, Ganjun Yi. 2003, Advances on citrus Huanglongbing research. **Horticulturae of Guangdong**. 4 (4) :17-18

Additional Information

None