CURRICULUM VITAE

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Research Interest

1) **Identification and molecular characterization of fruit tree viruses:** Investigation for virus species and viral infection statues of important fruit trees in central China, and study on the molecular characteristics, diversity and evolution of viruses, and screening mild viral strains for potential application in viral disease control; 2) **Developing technique and kits for virus detection**: establishment of feasibility, high throughput and sensitive RT-PCR and serological methods, and preparation of monoclonal and polyclonal antibodies against viruses; 3) **Interaction between and its host plants**: Identification of differentially expressed genes induced by severe and mild strains of *Citrus tristeza virus*, analysis ofprotein-protein interactions between Citrus tristeza virus and its host plants, and understanding the biological functions of these genes and proteins.

Professional Memberships

2012-present Scientific Committee member of International Conference on Virus and other Graft Transmissible Diseases of Fruit Crops.

Education & Working Experience

1997–2000Master. Chinese Agricultural University, Plant Pathology, Beijing, China

1979–1983 B.A. Huazhong Agricultural University, Plant Protection, Wuhan, China

1999– presentProfessor, Huazhong Agricultural University

1983-1999Associate professor,Chinese Academy of Agriculture Science.

1995.10–1996.05Senior visiting fellow,Dipartimento di ProtezionedellePiantee MicrobiologiaApplicataUniversità di Bari, Italy

Publications

Selected publications (* Corresponding author)

1. Zheng YZ, Navarro B, Wang GP, Wang XX, Yang ZK, Xu WX, Zhu CX, Wang LP, Di Serio F* and **Hong N*** (2016).Actinidia chlorotic ringspot-associated virus: a novel emaravirus infecting kiwifruit plants.**Molecular Plant Pathology**.DOI: 10.1111/mpp.12421
2. Wang YX, Wang YX, Yang ZK, Wang LP, Li L, **Hong N*** (2016). First report of the Tospovirustomato necrotic spot associated virus infecting kiwifruit (*Actinidia* sp.) in China. **Plant Disease**. http://dx.doi.org/10.1094/PDIS-05-16-0629-PDN
3. Wu GW, Tang M, Wang GP,Jin FY, Yang ZK, Cheng LJ, **Hong N***(2015). Genetic diversity and evolution of two capsid protein genes of *Citrus tristeza virus* isolates from China. **Archives of Virology.** 160:787–794.
4. Syeda Amber Kazmi, Yang Z, **Hong N***, Wang GP, Wang YF (2015). Characterization by small RNA sequencing of Taro bacilliform CH virus (TaBCHV), a novel badnavirus. PLoS One. 10(7): e0134147.10.1371.
5. Bai Q, Zhai LF， Chen XRn, **Hong N**, Xu WX*, Wang GP* (2015). Biological and molecularcharacterization of five Phomopsis species associated with pear shoot canker in China，Plant Disease.http://dx.doi.org/10.1094
6. Qu L, Cui H, WuGW,, Zhou J, Su J, Wang GP, **Hong N***(2014). Genetic Diversity and Molecular Evolution of Plum Bark Necrosis Stem Pitting-Associated Virus from China. PLoS One. 9 (8): e105443.
7. Zheng YZ,Wang GP,Zhou JF,**Hong N* (**2014). First report of Actinidia virus A and Actinidia virus B on kiwifruit in China.**Plant Disease**. 98(11):1590
8. Guanwei Wu, Min Tang, Guoping Wang,Caixia Wang, Yong Liu, Fan Yang, **Hong N*** (2014). The epitope structure of *Citrus tristeza virus* coat protein mapped by recombinant proteins and monoclonal antibodies. **Virology**. 448:238-246.
9. Chofong Gilbert Nchongboh, GuanweiWu, **Hong N**, Guoping Wang* (2014). Protein–protein interactions between proteins of *Citrus tristeza virus* isolates. **Virus Genes.** 49:456-465.
10. YaoBY, WangGP, MaXF, LiuWB, TangHH, ZhuH, **Hong N*** (2014). Simultaneous detection and differentiation of three viruses in pear plants by a multiplex RT-PCR. **Journal of Virological Methods.** 2014,196:113-119.
11. YeG, **Hong N**, Zou LF, Zou HS, Zakria M, Wang GP, Chen GY*(2013). Tale-based genetic diversity of Chinese isolates of the citrus canker pathogen *Xanthomonascitri subsp. citri*. **Plant Disease.** 97:1187-1194.
12. Yang F, Wang GP, Jiang B, Liu YH, Liu Y, Wu GW, **Hong N*** (2013). Differentially expressed genes and temporal and spatial expression of genes during interactions between Mexican lime (*Citrus aurantifolia*) and a severe *Citrus tristeza virus* isolate. **Physiological and Molecular Plant Pathology.** 83:17-24.
13. Wu GW, Pan S, Wang GP, Tang M, Liu Y, Yang F, **Hong N*** (2013). The genotypes of *Citrus tristeza virus* isolates from China revealed by sequence analysis of multiple molecular markers. **Archives of Virology** 158:231-235.
14. Abu Bakr Umer Farooq, Ma XF, Wang ZQ, Zhuo N, Xu WX, Wang GP, **Hong N*** (2013). Genetic diversity analyses reveal novel recombination events in Grapevine leafroll-associated virus 3 in China.**Virus Research.** 2013, 171:15-21.

15. Cui HG, **Hong N**, Wang GP, Wang AM*(2013). Genomic segments RNA1 and RNA2 of Prunus necrotic ringspot virus codetermine viral pathogenicity to adapt to alternating natural Prunus hosts. Molecular Plant-Microbe Interactions. 26:515-527.
16. Liu Y, Wang GP, Wang ZQ, Yang F, Wu GW,**Hong N***(2012). Identification of differentially expressed genes in response to infection of a mild *Citrus tristeza virus* isolate in *Citrus aurantifolia* by suppression subtractive hybridization. **ScientiaHorticulturae.** 134:144-149.
17. Wang J, Ye G, Ma YX, Wang GP, **Hong N*** (2011). Cloning and prokaryotic expression of the copper resistance related genes copA and copB from *Xanthomonasaxonopodis*pv. *citri*.**ActaPhytopathologicaSinica.** 41(3):247-252.
18. Wang CX, **Hong N**, Wang GP*, Jiang B, Fan XD (2009). Effect of *Citrus tristeza virus* on the growth of in-vitro cultured citrus. **Journal of Plant Pathology.** 91 (2): 357-363
19. Ding F,Deng XX,**Hong N**,Zhong Y,Wang GP*, Yi GJ *(2009). Phylogenetic analysis of the citrus Huanglongbing (HLB) bacterium based on the sequences of 16S rDNA and 16S/23S rDNA intergenic regions among isolates in China.**European journal of plant pathology**. 124 (3): 495-503
20. Wang CX, Wang GP, **Hong N**, Jiang B,Hui L, Wu KW (2006).Production of polyclonal and monoclonal antibodies against Citrus tristezavirus and their efficiency for the detection of the virus.**Chinese Journal of Biotechnology.** 22 (4):629-634
21. Fan XD,Wang CX, Ye G, Wang GP, **Hong N***(2010). Effect of *Citrus tristeza virus* on the expression of isozymes and sour pathogenesis-related proteins in citrus plants. **Journal of Fruit Science.**27(1): 77-81
22. Jiang B,**Hong N***， Wang GP, Hu J, Zhang JK, Wang CX, Liu Y, Fan XD (2008). Characterization of *Citrus tristeza virus* strains from southern China based on analysis of restriction patterns and sequences of their coat protein genes. **Virus Genes**. 37:185–192
23. Wang CX, **HongN,** WangGP, ZhangJK, Hui L (2007).Molecular analysis of a Chinese *Citrus tristeza virus* isolate showing anomalous serological reactions. **Journal of Plant Pathology.**89(3) :377-383
24. Zhang JK, **Hong N**, Wang GP(2006). Analysis of Sequence Variability in CP Gene of Citrus tristeza virus. **Journal of Agricultural Biotechnology.** 14 (2): 259-264
25. Zhang JK, **Hong N**, Wang GP(2006). Analysis of mixed infection of Citrus tristeza virus in China by SSCP. **Journal of Fruit Science**. 23(3) : 346-349
26. Luo ZP, **Hong N*** (2006). Study on immunofluorescent and biological identification of *Xanthomonasaxonopodis*pv.*citri.***Plant Quarantine**. 20 (15): 272-274.