

Yan Zhong



Areas of Research

Bioinformatics, genetics and evolution, plant resistance genes (*R*-genes).

Contact Information

Office location: Room B4014 Life Science Building, College of Horticulture, Nanjing Agricultural University

Office phone: 86-25-84396055

Lab location: B4014 Life Science Building

Lab phone: 86-25-84396055

Email address: yzhong@njau.edu.cn

Research Interests

Genetics and evolution; Bioinformatics; Plant *R*-genes

The lab is committed to the study of origin and evolution of plant genes in biotic and abiotic stress response based on the bioinformatics methods. The research interests are as follows:

1. The origin, genetics and evolution of plant disease resistance genes (*R*-genes)
2. The origin, genetics and evolution of plant abiotic stress related genes
3. Genomics and functional genomics of Rosaceae crops
4. Genetics and breeding of Rosaceae crops

Education Background

Bachelor: Zhengzhou University

Doctor: Nanjing University

Work experience

Lecturer, Nanjing Agricultural University, 2013-2017

Assistant Professor, Nanjing Agricultural University, 2018-

Honors and Awards

-

Selected Publication

Zhong Y*, Tong Y, Cheng ZM. Specific differentially expressed genes in response to powdery mildew infection in *Fragaria vesca*. *Journal of Berry Research*, 2019, 9(3): 363-375.

Hu X, Hao C, Cheng ZM, and Zhong Y*. Genome-Wide Identification, Characterization, and Expression Analysis of the Grapevine Superoxide Dismutase (SOD) Family. *International Journal of Genomics*, 2019, 2019:13.

Zhong Y, Zhang Xiaohui and Cheng Zong-Ming. Lineage-specific duplications of NBS-LRR genes occurring before the divergence of six *Fragaria* species. *BMC Genomics*, 2018, 19:128.

Zhong Y, Guo C, Chu J, et al. Microevolution of the VQ gene family in six species of *Fragaria*. *Genome*, 2018, 61(1): 49-57.

Zhong Y, Cheng ZM. A unique RPW8-encoding class of genes that originated in early land plants and evolved through domain fission, fusion, and duplication. *Scientific Reports*, 2016, 6.

Zhong Y#, Li Y#, Huang K, et al. Species-specific duplications of NBS-encoding genes in Chinese chestnut (*Castanea mollissima*). *Scientific Reports*, 2015, 5: 16638.

Zhong Y, Yin H, Sargent D J, et al. Species-specific duplications driving the recent expansion of NBS-LRR genes in five Rosaceae species. *BMC Genomics*, 2015, 16(1): 77.
