CURRICULUM VITAE

Personal Information			
Name	Yuyang Zhang	Gender	Male
Position Title		Dr. Professor	
Working Department		College of Horticulture and Forestry Science	
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Address	College of Horticulture and Forestry Science, Hubei Hongshan Laboratory, National Key Laboratory for Germplasm Innovation & Utilization of Horticultural Crops，Huazhong Agricultural University，Wuhan, 430070 China		
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Research Interest

Professor Yuyang Zhang lab has been using the genetic approaches to dissect the genetic basis of agronomically important traits in tomato, and use genes to develop markers for molecular breeding of tomato. His research interest includes tomato fruit biology and molecular breeding. He is the investigator of several projects from National Science Foundation of China, and National Key R & D Program etc, and is the chief scientist of Wuhan Vegetable Biological Breeding Project. His research work has been published in Plant Cell, New Phytologist, PLoS Genetics, Plant Journal, and Plant Biotechnology Journal etc. He published 2 English books, 2 textbooks as associate editor, and was authorized more than 20 patents. He was awarded the second prize of National Science and Technology Progress (no.4), and Teaching and Education Award of Huazhong Agricultural University.

Professional Memberships

Secretary General of Tomato Branch of Chinese Horticultural Society

Associate Secretary of Molecular Breeding Branch of Chinese Horticultural Society

Associate Editor in Chief of *Horticultural Plant Journal*

Associate Editor of *Horticulturae*

Associate Editor of *Plant Science Journal* (in Chinese).

Other Roles

Editorial board member of *Vegetable* (in Chinese)

Editorial board member of *Plant Physiology Journal* (in Chinese)

Education & Working Experience

Education

1997-2001, Huazhong Agricultural University, B.S.

2001-2006, Huazhong Agricultural University, PhD

Work Experience

2006-2008, Huazhong Agricultural University, lecture

2007-2008, Wageningen University, visiting scholar

2011-2012, Israel Agricultural Research Organization, Volcani Center, post doctorate

2008-2013, Huazhong Agricultural University, associate professor

2013- to date, Huazhong Agricultural University, professor

Selected Publications

1. Shang L, Song J, Yu H, Wang X, Yu C, Wang Y, Li F, Lu Y, Wang T, Ouyang B, Zhang J, Larkin RM, Ye Z, **Zhang Y***. A mutation in a C_2H_2-type zinc finger transcription factor contributed to the transition towards self-pollination in cultivated tomatoes. ***Plant Cell***, 2021,33(10):3293-3308.
2. Ye J, Wang X, Hu T, Zhang F, Wang B, Li C, Yang T, Li H, Lu Y, Giovannoni J*, **Zhang Y***, Ye Z*. An InDel in the promoter of Al-activated malate transporter 9 was selected for during tomato domestication and determines fruit malate contents and aluminum tolerance. ***Plant Cell*****,** 2017, 29(9):2249-2268
3. Liu G, Li C, Yu H, Tao P, Yuan L, Ye J, Chen W, Wang Y, Ge P, Zhang J, Zhou G, Zheng W, Ye Z, **Zhang Y***. GREEN STRIPE, encoding methylated TOMATO AGAMOUS‐LIKE 1, regulates chloroplast development and chlorophyll synthesis in fruit. ***New Phytologyist***, 2020, 228: 302-317.
4. Shang L, Tao J, Song J, Wang Y, Zhang X, Ge P, Li F, Dong H, Gai W, Grierson D, Ye Z, **Zhang Y***. CRISPR/Cas9-mediated mutations of *FANTASTIC FOUR* gene family for creating early flowering mutants in tomato. ***Plant Biotechnology Journal***, 2024, 22:774-784
5. Hu T, Ye J, Tao P, Li H, Zhang J, **Zhang Y** *, Ye Z* Tomato HD-Zip I transcription factor, SlHZ24, modulates ascorbate accumulation through positively regulating the D-mannose/L-galactose pathway. ***Plant Journal***, 2016, 85: 16-29
6. Ye J, Li W, Ai G, Li C, Liu G, Chen W, Wang B, Wang W, Lu Y, Zhang J, Li H, Ouyang B, Zhang H, Fei Z, Giovannoni JJ, Ye Z*, **Zhang Y***. Genome-wide association analysis identifies a natural variation in transcription factor regulating D-mannose/L-galactose pathway in tomato. ***PLoS Genetics***, 2019,15(5): e1008149
7. Ye J, Chen W, Feng L, Liu G, Wang Y, Li W, Yang C, Li H, Ye Z, **Zhang Y***. The chaperonin 60 protein SlCpn60a1 modulates photosynthesis and photorespiration in tomato.

Journal of Experimental Botany, 2020, 71(22): 7224-7240

8. Ye J, Tian R, Meng X, Tao P, Li C, **Liu** G, Chen W, Wang Y, Li H, Ye Z*, **Zhang Y***. Tomato SD1, encoding a kinase interacting protein, is a major locus controlling stem development. ***Journal of Experimental Botany***, 2020, 71(12): 3575-3587
9. Chen W, Hu T, Ye J, Liu G, Wang B, Wang Y, Yuan L, Li J, Li F, Ye Z, **Zhang Y***. A CCAAT-binding factor, SlNFYA10, negatively regulates ascorbate accumulation by collective modulation of D-mannose/L-galactose pathway in tomato. ***Horticulture Research***, 2020, 7:200
10. **Zhang Y**. Advances in Molecular Breeding of Vegetable Crops. 2022, MDPI, Switzerland