

# CURRICULUM VITAE

Personal Information			
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Research Interest			
Genetic improvement and biotechnology of ornamental plant			
Professional Memberships			
Other Roles			
Education & Working Experience			
10/2010-present Associate professor, College of Horticulture and Forestry Sciences, Huazhong Agricultural University, Wuhan 430070, P. R. China			
02/2016-02/2015 Visiting Research Scholar in the Environmental Horticulture program at the University of Florida's Gulf Coast Research and Education Center(GCREC),14625, County Road 672, Wimauma, Florida, USA, Supervisor: Zhanao Deng(Professor, Ornamental and Landscape Plant Breeder and Geneticist)			
09/2005-01/2010 Ph.D major in Landscape Plants and Ornamental horticulture At college of Horticulture and Forestry Sciences, Huazhong Agricultural University			



al University, Wuhan, China, 430070.

Major Professor (advisor): Dr. Manzhu Bao (vice chairman of Chinese Society for Horticultural Science)

Doctoral dissertation title: “Genetic Analysis of the Male Sterility of *Tagetes erecta* and Its Application in Breeding”

09/2001 -- 07/2005 Undergraduate study in college of horticulture and plant protection,

Yangzhou University, Yangzhou, China, 225009.

major in Horticultural

## Publications

【1】Chunling Zhang , Ludan Wei , Wenjing Wang , Wenquan Qi , Zhe Cao , Hang Li , Manzhu Bao, **Yanhong He** \* (Corresponding author). Identification, characterization and functional analysis of AGAMOUS subfamily genes associated with floral organs and seed development in Marigold (*Tagetes erecta*). *BMC Plant Biology* (2020) 20:439

【2】Wenquan Qi , Chunling Zhang , Wenjing Wang , Zhe Cao, Song Li, Hang Li , Wan Zhu , Yongqi Huang , Manzhu Bao , **Yanhong He**\* (Corresponding author), and Riru Zheng \* . Comparative transcriptome analysis of different heat stress responses between self-root grafting line and heterogeneous grafting line in rose, *Horticultural Plant Journal*, 2021, 7 (3): 243 – 255.

[3] Xi W (#) , **He Y** (#) (co-first author), Zhu L, et al. CPTA treatment reveals potential transcription factors associated with carotenoid metabolism in flowers of *Osmanthus fragrans*. *Horticultural Plant Journal*, 2021, 7(5): 479-487. <https://doi.org/10.1016/j.hpj.2021.03.002>

【4】Ze Peng (#) , **Yanhong He** (#) (co-first author), Saroj Parajuli, Qian You, Weining Wang, Krishna Bhattarai, Aaron J. Palmateer , Zhanao Deng(\*). Integration of early disease-resistance phenotyping, histological characterization, and transcriptome sequencing reveals insights into downy mildew resistance in impatiens, *Horticulture Research* (2021) 8:108

【5】Chunling Zhang, Ludan Wei, Xiaomin, Yu, Hang Li, Wenjing Wang, Shenzhong Wu, Feng Duan , Manzhu Bao, Zhulong Chan, **Yanhong He**\* (Corresponding author). Functional conservation and divergence of SEPALLATA-like genes in the development of two-type florets in marigold, *Plant Science*, 2021, 309:110938

【6】Zhang, C.; Sun, Y.; Yu, X.; Li, H.; Bao, M.; **He, Y.** (Corresponding author) Functional Conservation and Divergence of Five AP1/FUL-like Genes in Marigold (*Tagetes erecta* L.). *Genes* 2021, 12, 2011. <https://doi.org/10.3390/genes12122011>

【7】Yu Zhu, Yuhan Liu, Wenjing Wang, Hang Li, Cuicui Liu, Linlin Dou, Ludan Wei , Wenhan Cheng, Manzhu Bao, Qingping Yi\*, **Yanhong He**\*(Corresponding author). Identification and characterization of CYC2-like genes related to floral symmetric development in *Tagetes erecta* (Asteraceae).*Gene*, 2023,889:147804

【8】Yunze Song, Lixue Zhang, Xinyi Huo, Yanping Wang, Xiaolin Chen, Guogui Ning(\*). and **Yanhong He**\*(Corresponding author). First Report of Leaf Rot Caused by *Apiospora paraphaeosperma* on Lily in Wuhan, China. plant disease, 2024, 108(7):<https://doi.org/10.1094/PDIS-09-23-1890-PDN>.

【9】Yuxiao Shen, Yufei Rao, Mengni Ma, Yajun Li, **Yanhong He**, Zheng Wang, Mei Liang\*, Guogui Ning\*. Coordination among flower pigments, scents and pollinators in ornamental plants. *Horticulture Advances* (2024) 2:6 <https://doi.org/10.1007/s44281-024-00029-4>

【10】Junzhong Shang, Dedang Feng, Heng Liu, Lintao Niu, Runhui Li, Yajun Li, Mengxi Chen, Ao Li, Zhenhua Liu, **Yanhong He**, Xiang Gao, Hongying Jian, Changquan Wang, Kaixue Tang, Manzhu Bao, Jihua Wang\* Shuhua Yang\* Huijun Yan,\* and Guogui Ning. Evolution of the biosynthetic pathways of terpene scent compounds in roses. *Current biology*,2024.