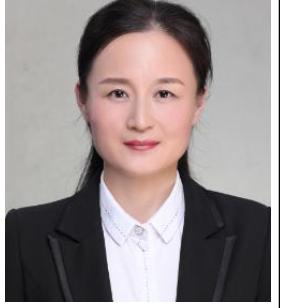


CURRICULUM VITAE

Personal Information					
Name	Yanhong HE	Gender	Female		
Position Title		Associate professor			
Working Department		College of Horticulture and Forestry Sciences			
Email	hyh2010@mail.hzau.edu.cn				
Address	No.1 Shizishan Street, Hongshan District, Wuhan, Hubei Province, China				
Tel	+86 18607188213	Fax	+86 02787282010		
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 Agricultur					

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).dentification, 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, Yuhua 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.