

CURRICULUM VITAE

Personal Information				Photo
Name	Songwei Wu	Gender	male	
Position Title		Associate professor		
Working Department		College of Resources and Enviroment		
Email	wusw@mail.hzau.edu.cn			
Address	Huazhong Agricultural University, No.1, Shizishan Street, Hongshan District, Wuhan, Hubei Province 430070, China			
Tel	13871289746	Fax		
Research Interest				
His research focused on the regulation mechanism of efficient utilization of citrus nutrients and fruit quality				
Professional Memberships				
Other Roles				
Education & Working Experience				
College of Resources and Environment, Huazhong Agricultural University		Wuhan, China		
Associate professor		Dec. 2021-now		
College of Horticulture & Forestry Science, Huazhong Agricultural University		Wuhan, China		
Postdoctor		Jul. 2018-Dec. 2021		
College of Resources and Environment, Huazhong Agricultural University		Wuhan, China		
PhD student		Sep. 2012-Jun. 2018		
University of Missouri (St. Louis), Donald Danforth Plant Science Center		St. Louis, United states		
Visiting student		Oct. 2016-Apr. 2017		
College of Resources and Environment, Henan Agricultural University		Zhengzhou, China		
Bachelor student		Sep. 2008-Jun. 2012		
Publications				

- (1) **Songwei Wu**, Ying Zhang, Qiling Tan, Xuecheng Sun, Wenhua Wei, Chengxiao Hu*. Biochar is superior to lime in improving acidic soil properties and fruit quality of Satsuma mandarin. *Science of the Total Environment* 2020 (714): 136722.
- (2) Kongjie Wu, Chengxiao Hu, Jing Wang, Jingdan Guo, Xuecheng Sun, Qiling Tan, Xiaohu Zhao, **Songwei Wu***. Comparative effects of different potassium sources on soluble sugars and organic acids in tomato. *Scientia Horticulturae*, 2023, 308: 111601.
- (3) **Songwei Wu**, Ming Li, Changming Zhang, Qiling Tan, Xiaozhen Yang, Xuecheng Sun, Zhiyong Pan, Xiuxin Deng, Chengxiao Hu*. Effects of phosphorus on fruit soluble sugar and citric acid accumulations in citrus, *Plant Physiology and Biochemistry*, 2021 (160): 73-81.
- (4) **Songwei Wu**, Changming Zhang, Ming Li, Qiling Tan, Xuecheng Sun, Zhiyong Pan, Xiuxin Deng, Chengxiao Hu*. Effects of potassium on fruit soluble sugar and citrate accumulations in Cara Cara navel orange (*Citrus sinensis* L. Osbeck), *Scientia Horticulturae*, 2021 (283): 110057.
- (5) **Songwei Wu**, Chengxiao Hu, Xiaozhen Yang, Qiling Tan, Shuaibing Yao, Yuan Zhou, Xuemin Wang, Xuecheng Sun*. Alterations of glycerolipidome induced by molybdenum conferred drought tolerance of wheat. *Journal of Experimental Botany* 2020 (71): 5074-5086.
- (6) **Songwei Wu**, Chengxiao Hu, Qiling Tan, Shoujun Xu, Xuecheng Sun*. Nitric oxide mediates molybdenum-induced antioxidant defense in wheat under drought stress. *Frontiers in Plant Science*, 2017, 8: 1085.
- (10) **Songwei Wu**, Xuecheng Sun, Qiling Tan, Chengxiao Hu*. Molybdenum improves water uptake via extensive root morphology, aquaporin expressions and increased ionic concentrations in wheat under drought stress. *Environmental and Experimental Botany*, 2019 (157): 241-249.
- (11) **Songwei Wu**, Chengxiao Hu, Xuemin Wang, Yiwen Wang, Min Yu, Hongdong Xiao, Sergey Shabala, Kongjie Wu, Qiling Tan, Shoujun Xu, Xuecheng Sun*. Cadmium-induced changes in composition and co-metabolism of glycerolipids species in wheat root: glycerolipidomic and transcriptomic approach. *Journal of Hazardous Materials*, 2022.
- (12) **Songwei Wu**, Wu Kongjie, Shi Libiao, Xuecheng Sun, Tan Qiling, Chengxiao Hu*. Recruitment of specific microbes through exudates affects cadmium activation and accumulation in Brassica napus. *Journal of Hazardous Materials*, 2023 442(7): 130066.
- (13) **Songwei Wu**, Kaili Shi, Chengxiao Hu, Jilin Guo, Qiling Tan, Xuecheng Sun*. Non-invasive microelectrode cadmium flux measurements reveal the decrease of cadmium uptake by zinc supply in pakchoi root (*Brassica chinensis* L.). *Ecotoxicology and Environmental Safety*, 2019 (168): 363-368.
- (14) **Songwei Wu**, Chengxiao Hu, Qiling Tan, Xiaohu Zhao, Shoujun Xu, Yitao Xia, Xuecheng Sun*. Nitric oxide acts downstream of abscisic acid in molybdenum-induced oxidative tolerance in wheat. *Plant Cell Reports*, 2018, 37:599-610.