

Mian Gu

Professor of Plant Nutrition and Molecular Biology

Address: A712 CRES Building

Phone Number: +86-025-84396691

Email: gum@njau.edu.cn

Education:

- Ph.D., College of Resources and Environmental Sciences, Nanjing Agricultural University, 2011
- Bachelor, College of Life Science, Nanjing Agricultural University, 2006

Research interests and expertise:

- Plant phosphate signaling pathway
- Crosstalk between plant phosphate signaling and other pathways (e.g. phytohormone)

Selected publications:

- Gu M[#], Zhang J[#], Li HH, Meng DQ, Li R, Dai XL, Wang SC, Liu W, Qu HY, Xu GH*. 2017. Maintenance of phosphate homeostasis and root development are coordinately regulated by MYB1, an R2R3-type MYB transcription factor in rice. *Journal of Experimental Botany* 68(13): 3603-3615
- Gu M, Chen AQ, Sun SB, Xu GH*. 2016. Complex regulation of plant phosphate transporters and the gap between molecular mechanisms and practical application: what is missing? *Molecular Plant* 9: 396-416
- Gu M^{#*}, Liu W[#], Meng Q, Zhang WQ, Chen AQ, Sun SB, Xu GH. 2014. Identification of microRNAs in six solanaceous plants and their potential link with phosphate and mycorrhizal signalings. *Journal of Integrative Plant Biology* 56(12): 1164-1178
- Gu M, Chen AQ, Dai XL, Liu W, Xu GH. 2011. How does phosphate status influence the development of the arbuscular mycorrhizal symbiosis? *Plant Signaling & Behavior* 6(9): 1300-1304
- Chen AQ[#], Gu M[#], Sun SB, Zhu LL, Hong S, Xu GH. 2011. Identification of two conserved cis-acting elements, MYCS and P1BS, involved in the regulation of mycorrhiza-activated phosphate transporters in eudicot species. *New Phytologist* 189: 1157-1169 ([#]co-first author)

