

CV            Aiping Song            Ph.D.



### Contact

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### Qualifications

BSc Horticulture, Jilin University, 2009  
PhD Ornamental Horticulture, Nanjing Agricultural University, 2014

### Career

2014-2017, Postdoctoral in Nanjing Agricultural University, Nanjing  
2018-present, Associate Professor in Nanjing Agricultural University, Nanjing

### Role and responsibilities

Aiping Song is an Associate Professor in Ornamental Horticulture in College of Horticulture, Nanjing Agricultural University. He has investigated many aspects of ornamental plant genomics and molecular biology, emphasizing the role of stress response, development, and plant-pathogen interaction. Project management experience has included National Natural Science Foundation of China, Fundamental Research Funds for the Central Universities, Natural Science Fund of Jiangsu Province, China Postdoctoral Science Foundation and co-ordination of national projects and wide collaboration with other research groups. He is reviewer for the *Plant Physiology and Biochemistry*, *Plant Cell Reports*, *Horticulture Research* and several other plant science related journals. Over 60 research publications with an H index of 24 in near 5 years.

### Selected Publications

Yu Q#, Hu Y#, Su J, Li P, Zhang L, Fu X, Chen F, Song A\*. Evaluation of a yeast two-hybrid library by high-throughput sequencing. *Journal of Proteome Research*. 2020, 19: 3567-3572. (# Co-first author, \* Corresponding author, Cover Story)

Ding L#, Song A#, Zhang X, Li S, Su J, Xia W, Zhao K, Zhao W, Guan Y, Fang W, Chen S, Jiang J, Chen F. The core regulatory networks and hub genes regulating flower development in *Chrysanthemum morifolium*. *Plant Molecular Biology*. 2020, 103: 669–688. (# Co-first author)

Song C#, Liu Y#, Song A#, Dong G#, Zhao H#, Sun W, Ramakrishnan S, Wang Y, Wang S, Li T, Niu Y, Jiang J, Dong B, Xia Y, Chen S, Hu Z, Chen F, Chen S. The *Chrysanthemum*

*nankingense* genome provides insights into the evolution and diversification of chrysanthemum flowers and medicinal traits. *Molecular Plant*. 2018, 11:1482-1491. (# Co-first author)

Song A#, Hu Y#, Ding L, Zhang X, Li P, Liu Y, Chen F. Comprehensive analysis of mitogen-activated protein kinase cascades in chrysanthemum. *PeerJ*. 2018, 6: e5037. (# Co-first author)

Song A, Gao T, Li P, Chen S, Guan Z, Wu D, Xin J, Fan Q, Zhao K, Chen F. Transcriptome-wide identification and expression profiling of the DOF transcription factor gene family in *Chrysanthemum morifolium*. *Frontiers in Plant Science*. 2016, 7: 199.

Song A, Gao T, Wu D, Xin J, Chen S, Guan Z, Wang H, Jin L, Chen F. Transcriptome-wide identification and expression analysis of chrysanthemum SBP-like transcription factors. *Plant Physiology and Biochemistry*. 2016, 102:10-16.

Song A, Li P, Xin J, Chen S, Zhao K, Wu D, Fan Q, Gao T, Chen F, Guan Z. Transcriptome-wide survey and expression profile analysis of putative chrysanthemum HD-Zip I and II genes. *Genes*. 2016, 7:19.

Song A, Wu D, Fan Q, Tian C, Chen S, Guan Z, Xin J, Zhao K, Chen F. Transcriptome-wide identification and expression profiling analysis of chrysanthemum trihelix transcription factors. *International Journal of Molecular Sciences*. 2016, 17: 198.

Song A, Wang L, Chen S, Jiang J, Z Guan, P Li, F Chen. Identification of nitrogen starvation-responsive microRNAs in *Chrysanthemum nankingense*. *Plant Physiology and Biochemistry*. 2015, 91: 41-48.

Song A#, Li P#, Jiang J, Chen S, Li H, Zeng J, Shao Y, Zhu L, Zhang Z, Chen F. Phylogenetic and transcription analysis of chrysanthemum WRKY transcription factors. *International Journal of Molecular Sciences*. 2014, 15:14442-14455. (# Co-first author)

Song A#, An J#, Guan Z, Jiang J, Chen F, Lou W, Fang W, Liu Z, Chen S. The constitutive expression of a two transgene construct enhances the abiotic stress tolerance of chrysanthemum. *Plant Physiology and Biochemistry*. 2014, 80: 114-120. (# Co-first author)

Song A#, Zhu X#, Chen F, Gao H, Jiang J, Chen S. A chrysanthemum heat shock protein confers tolerance to abiotic stress. *International Journal of Molecular Sciences*. 2014; 15: 5063-5078. (# Co-first author)

Song A, Zhao S, Chen S, Jiang J, Chen S, Li H, Chen Y, Chen X, Fang W, Chen F. The abundance and diversity of soil fungi in continuously monocropped chrysanthemum. *The Scientific World Journal*. 2013, Article ID 632920, 8 pages.

Song A#, Lou W#, Jiang J#, Chen S, Sun Z, Guan Z, Fang W, Teng N, Chen F. An Isoform of Eukaryotic Initiation Factor 4E from *Chrysanthemum morifolium* interacts with *Chrysanthemum Virus B* Coat Protein. *PLoS ONE*. 2013, 8: e57229. (# Co-first author)

**Song A#, You Y#, Chen F, Li P, Jiang J, Chen S.** A multiplex RT-PCR for rapid and simultaneous detection of viruses and viroids in chrysanthemum. *Letters in Applied Microbiology*. 2013, 56: 8-13. (# Co-first author)

**Song A#, Lu J#, Jiang J, Chen S, Guan Z, Fang W, Chen F.** Isolation and characterization of *Chrysanthemum crassum* *SOS1*, encoding a putative plasma membrane Na<sup>+</sup>/H<sup>+</sup> antiporter. *Plant Biology*. 2012, 14: 706-713. (# Co-first author)

### **Recent grants**

Principal Investigator on the National Natural Science Foundation of China (31870694), 2019-2022 RMB600,000.

Principal Investigator on the Natural Science Fund of Jiangsu Province (BK20190076), 2019-2022 RMB500,000.

Principal Investigator on the National Key R&D Program of China (2018YFD1000403), 2018-2022 RMB300,000.

Principal Investigator on the Fundamental Research Funds for the Central Universities (KYZ201832) 2018-2018 RMB100,000.

Principal Investigator on the Fundamental Research Funds for the Central Universities (KJQN201658) 2015-2018 RMB100,000.

Principal Investigator on the China Postdoctoral Science Foundation (2014M5616730), 2015-2016 RMB50,000.

Principal Investigator on the China Postdoctoral Science Foundation (2015T80564), 2015-2016 RMB150,000.

Principal Investigator on the National Natural Science Foundation of China (31501792), 2016-2018 RMB285,000.

Principal Investigator on the Natural Science Fund of Jiangsu Province (BK20150657), 2016-2018 RMB200,000.