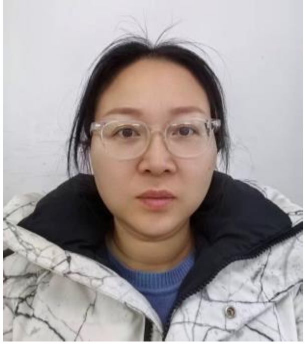
CURRICULUM VITAE



Meijie Luo

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Education

2009-2014	Ph.D., *Biomedical Engineering* Huazhong University of Science and Technology, Wuhan, China
2006-2009	M.S., *Pomology* Huazhong Agricultural University, Wuhan, China
2002-2006	B.S., *Life Science* Huazhong Agricultural University, Wuhan, China

Position Held

2022-present	Associate Professor Maize Research Center, Beijing Academy of Agriculture and Forestry Sciences, Beijing, China
2018-2022	Assistant professor Maize Research Center, Beijing Academy of Agriculture and Forestry Sciences, Beijing, China
2016-2018	Postdoctoral Fellow Maize Research Center, Beijing Academy of Agriculture and Forestry Sciences, Beijing, China
2015-2016	Research Assistant Maize Research Center, Beijing Academy of Agriculture and Forestry Sciences, Beijing, China

Research Interests

The major interest is cloning key regulatory genes in maize and maize molecular breeding. Main research areas include: Cloning and mechanism analysis of abiotic stress genes in maize; Genetic improvement and biofortification of fresh maize.

Publications

1. Meijie Luo(#), Yanxin Zhao(#)(*), Yunxia Zhang, Ruyang Zhang, Manjun Cai, Panpan Zhang, Dengxiang Du, Jingna Li, Jinfeng Xing, Xuan Sun, Minxiao Duan, Xiaoduo Lu, Yadong Xue, Ya Liu, Fengge Wang, Baishan Lu, Ronghuan Wang(*), Yuandong Wang(*), Wei Song(*), Jiuran Zhao(*). A 4-bp natural deletion of maize Na^{+}/H^{+} exchanger gene alters maize salt stress tolerance. *Plant Stress*, 2025, 18:101142

2. Meijie Luo(#)(*), Baishan Lu(#), Yaxing Shi(#), Yanxin Zhao, Junling Liu, Chunyuan Zhang, Yuandong Wang, Hui Liu, Yamin Shi, Yanli Fan, Li Xu, Ronghuan Wang(*) and Jiuran Zhao(*). Genetic basis of the oil biosynthesis in ultra-high-oil maize grains with an oil content exceeding 20%. *Frontiers in Plant Science*, 2023, 14:1168216

3. Meijie Luo(#)(*), Baishan Lu(#), Yaxing Shi(#), Yanxin Zhao, Zhiyuan Wei, Chunyuan Zhang, Yuandong Wang, Hui Liu, Yamin Shi, Jinxiao Yang, Wei Song, Xiaoduo Lu, Yanli Fan, Li Xu, Ronghuan Wang(*), Jiuran Zhao(*). A newly characterized allele of *ZmR1* increases anthocyanin content in whole maize plant and the regulation mechanism of different *ZmR1* alleles. *Theoretical and Applied Genetics*, 2022(135):3039-3055

4. Meijie Luo(#), Yunxia Zhang, Jingna Li, Panpan Zhang, Kuan Chen, Wei Song, Xiaqing Wang, Jinxiao Yang, Xiaoduo Lu, Baishan Lu, Yanxin Zhao(*), Jiuran Zhao(*). Molecular dissection of maize seedling salt tolerance using a genome-wide association analysis method. *Plant Biotechnology Journal*, 2021(19):1937-1951

5. Bin Tang(#), Meijie Luo(#), Yunxia Zhang, Huanle Guo, Jingna Li, Wei Song, Ruyang Zhang, Zhen Feng, Mengsi Kong, Han Li, Zhongyang Cao, Xiaoduo Lu, Delin Li, Jianhua Zhang, Ronghuan Wang, Yuandong Wang, Zhihui Chen, Yanxin Zhao(*), Jiuran Zhao(*). Natural variations in the P-type ATPase heavy metal transporter gene *ZmHMA3* control cadmium accumulation in maize grains. *Journal of Experimental Botany*, 2021(72):6230-6246

6. Mengsi Kong(#), Meijie Luo(#), Jingna Li, Zhen Feng, Yunxia Zhang, Wei Song, Ruyang Zhang, Ronghuan Wang, Yuandong Wang, Jiuran Zhao*, Yongsheng Tao*, Yanxin Zhao*. Genome-wide identification, characterization, and expression analysis of the monovalent cation-proton antiporter superfamily in maize, and functional analysis of its role in salt tolerance. *Genomics*, 2021,113:1940-1951

7. Meijie Luo(#)(*), Yaxing Shi(#), Yang Yang(#), Yanxin Zhao, Yunxia Zhang, Yamin Shi, Mengsi Kong, Chunhui Li, Zhen Feng, Yanli Fan, Li Xu, Shengli Xi, Baishan Lu(*), Jiuran Zhao(*). Sequence polymorphism of the *waxy* gene in waxy maize accessions and characterization of a new *waxy* allele. *Scientific Reports*, 2020,10:15851

8. Meijie Luo(#), Yunxia Zhang(#), Kuan Chen, Mengsi Kong, Wei Song, Baishan Lu, Yaxing Shi, Yanxin Zhao(*), Jiuran Zhao(*). Mapping of quantitative trait loci for seedling salt tolerance in maize. *Molecular breeding*, 2019,39:64

9. Meijie Luo(#), Yanxin Zhao(#), Yuandong Wang, Zi Shi, Panpan Zhang, Yunxia Zhang, Wei Song(*), Jiuran Zhao(*). Comparative proteomics of contrasting maize genotypes provides insights into salt-stress tolerance mechanisms. *Journal of proteome research*, 2018,17:141-153

10. Meijie Luo(#), Yanxin Zhao(#), Ruyang Zhang, Jinfeng Xing, Minxiao Duan, Jingna Li, Naishun Wang, Wenguang Wang, Shasha Zhang, Zhihui Chen, Huasheng Zhang, Zi Shi(*), Wei Song(*), Jiuran Zhao(*). Mapping of a major QTL for salt tolerance of mature field-grown maize plants based on SNP markers. *BMC Plant Biology*, 2017,17:140

11. Meijie Luo(#), Manjun Cai(#), Jianhua Zhang, Yurong Li, Ruyang Zhang, Wei Song, Ke Zhang, Hailin Xiao, Bing Yue, Yonglian Zheng, Yanxin Zhao(*), Jiuran Zhao(*), Fazhan Qiu(*). Functional divergence and origin of the *DAG-like* gene family in plants. *Scientific Reports*, 2017,7:5688

12. Meijie Luo(#), Yanxin Zhao(#), Wei Song, Ruyang Zhang, Aiguo Su, Chunhui Li, Xiangpeng Wang, Jinfeng Xing, Zi Shi(*), Jiuran Zhao(*). Effect of saline stress on the physiology and growth of maize hybrids and their related inbred lines. *Maydica*, 2017,62:M11