

Li Xinghui



Professor

Tea plant molecular biology/ Tea plant physiology / Tea plant breeding

Contact Information

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Research Interests

1. Research and utilization of tea germplasm resources
 2. Cultivation physiology of tea plant
 3. Molecular Biology of Tea Plant
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Education Background

Bachelor/ Master/ Doctor: HuNan Agricultural University

Work experience

Assistant / Associate/Full Professor, Hunan Agricultural University 1985-2004, Research & Teaching

Full Professor/High Level Talent Professor: Nanjing Agricultural University 2004 - now, Originated Tea Research Institute & Tea Science Department

Selected Publication

Rajiv Periakaruppan[#], Xuan Chen[#], Kuberan Thangaraj, Anburaj Jeyaraj, Hoang Ha Nguyen, YingYu, Shunkai Hu, Li Lu, Xinghui Li*. 2021, Utilization of tea resources with the production of superparamagnetic biogenic iron oxide nanoparticles and an assessment of their antioxidant activities. *Journal of Cleaner Production*. 278 : 123962

Anburaj Jeyaraj, Tamilselvi Elango , Xinghui Li*, Guiyi Guo*. 2020. Utilization of microRNAs and their regulatory functions for improving biotic stress tolerance in tea plant [*Camellia sinensis* (L.) O. Kuntze] , *RNA BIOLOGY*, 17,(10):1365–1382

Emmanuel Arkorful, Shunkai Hu, Zhongwei Zou, Ying Yu, Xuan Chen*, and Xinghui Li*. 2020, Metabolomic analyses provide new insight into signaling mechanisms for nutrient uptake by lateral roots of pruned tea plant (*Camellia sinensis*), *Journal of Agricultural and Food Chemistry*. 68, 30, 7890–7903

Yuchen Li, Anburaj Jeyaraj, Hanpu Yu, Yu Wang, Qingping Ma, Xuan Chen, Haiwei Sun, Hong Zhang, Zhaotang Ding,* and Xinghui Li*. 2020, Metabolic Regulation Profiling of Carbon and Nitrogen in Tea Plants [*Camellia sinensis* (L.) O. Kuntze] in Response to Shading. *Journal of Agricultural and Food Chemistry*, 68, 961–974

Jiahao Li, Yiqing Yang, Kang Sun, Yi Chen, Xuan Chen * and Xinghui Li * 2019, Exogenous Melatonin Enhances Cold, Salt and Drought Stress Tolerance by Improving Antioxidant Defense in Tea Plant (*Camellia sinensis* (L.) O. Kuntze), *MOLECULES*, 24, 1826.

Qingping Ma, Huan Li, Zhongwei Zou, Emmanuel Arkorful, Qianru Lv, Qiongqiong Zhou, Xuan Chen, Kang Sun and Xinghui Li*, 2018, Transcriptomic analyses identify albino-associated genes of a novel albino tea germplasm huabai 1, *Horticulture Research*, 5:54.

Jin Li[#], Kang Sun[#], Qingping Ma, Jin Chen, Le Wang, Dingjun Yang, Xuan Chen* and Xinghui Li¹*. 2017. *Colletotrichum gloeosporioides*-Contaminated Tea Infusion Blocks Lipids Reduction and Induces Kidney Damage in Mice , *FRONTIERS IN MICROBIOLOGY*, 8: 2089