

My name is Yifan Yan, I am currently a PhD student in the Castellarin Lab. I obtained my master's degree in Plant Science in the same lab in September 2020, and earlier bachelor's degree in Horticulture from Northwest A&F University, China in July 2013.

I studied the impact of different temperature regimes (emphasized on the high end) on grape berry ripening during my master. Specifically, I focused on the accumulation of flavonoid compounds in grapes through metabolic and transcriptomic analysis.

My PhD project aims to understand, firstly, the role of cuticular waxes in affecting transpirational water loss and fruit surface color in different blueberry varieties; and secondly, changes in phenolic compound accumulation in different blueberry varieties during their development and their role in determining fruit color. I would mostly by metabolic (wax and phenolic profiling) and transcriptomic (gene expression) analysis in my study, assisted with essential physiological measurements (transpiration water loss, fruit surface color).