

Professor WEI Cunxu

College	College of Bioscience & Biotechnology
Current Position	Professor
Types of Tutor	Doctoral Tutor
Language	Chinese
Education	Huazhong Agricultural University (Ph. D.) Shanghai Institute of Entomology, CAS (M.S.) Anhui Normal University (B.S.)
Research Interests	Development and regulation of crop starch Plant starch sources and their properties
Selected Publications	[1] Wang J, Hu P, Lin L, Chen Z, Liu Q, Wei C*. Gradually decreasing starch branching enzyme expression is responsible for the formation of heterogeneous starch granule. <i>Plant Physiology</i> , 2018, 176: 582-595. [2] Zhang L, Zhao L, Lin L, Zhao L, Liu Q, Wei C*. A novel mutation of OsPPDKB, encoding pyruvate orthophosphate dikinase, affects metabolism and structure of starch in the rice endosperm. <i>International Journal of Molecular Sciences</i> , 2018, 19: 2268. [3] Lin L, Guo K, Zhang L, Zhang C, Liu Q, Wei C*. Effects of molecular compositions on crystalline structure and functional properties of rice starches with different amylopectin extra-long chains. <i>Food Hydrocolloids</i> , 2019, 88, 137-145. [4] Lin L, Huang J, Zhang L, Zhang C, Liu Q, Wei C*. Effects of inhibiting starch branching enzymes on molecular and crystalline structures of starches from endosperm different regions in rice. <i>Food Chemistry</i> , 2019, 301, 125271. [5] Guo K, Liu T, Xu A, Zhang L, Bian X, Wei C*. Structural and functional properties of starches from root tubers of white, yellow, and purple sweet potatoes. <i>Food Hydrocolloids</i> , 2019, 89: 829-836. [6] Guo K, Zhang L, Bian X, Cao Q, Wei C*. A-,

	B- and C-type starch granules coexist in root tuber of sweet potato. Food Hydrocolloids, 2020, 98, 105279.
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