

Assistant Researcher XU Yunji

College	College of Agriculture
Current Position	Assistant Researcher
Types of Tutor	Master Tutor
Language	Chinese/English
Education	<p>1. 2006.09-2010.06: Studying for a bachelor's degree, Anqing Normal College, majoring in biological Science;</p> <p>2. 2010.09-2016.06: Studying for a doctor's degree (master combined with doctor), Yangzhou University, majoring in crop cultivation and farming system.</p>
Research Interests	Crop cultivation, physiology and its regulation
Selected Publications	<ol style="list-style-type: none"> 1. Yunji Xu, Daojian Gu, Ke Li, Weiyang Zhang, Hao Zhang, Zhiqin Wang, Jianchang Yang*. Response of grain quality to alternate wetting and moderate soil drying irrigation in rice, <i>Crop Science</i>, 2019, 59: 1261–1272. 2. Yunji Xu, Weiyang Zhang, Chenxin Ju, Yinyin Li, Jianchang Yang*, Jianhua Zhang. Involvement of abscisic acid in fructan hydrolysis and starch biosynthesis in wheat under soil drying. <i>Plant Growth Regulation</i>, 2016, 80: 265-279. 3. Yunji Xu, Mengting Qiu, Yinyin Li, Xiyang Qian, Junfei Gu, Jianchang Yang*. Polyamines mediate the effect of post-anthesis soil drying on starch granule size distribution in wheat grains. <i>The Crop Journal</i>, 2016, 4(6):444-458. 4. Jingjuan Zhang, Yunji Xu, Wei Chen, Bernard Dell, Rudy Vergauwen, Ben Biddulph, Nusrat Khan, Hao Luo, Rudi Appels, Wim Van den Ende. A wheat 1-FEH w3 variant underlies enzyme activity for stem WSC remobilization to grain under drought. <i>New Phytologist</i>, 2015,

	<p>205:293–305.</p> <p>5. Tingting Chen, Yunji Xu, Jingchao Wang, Jianchang Yang*, Jianhua Zhang. Polyamines and ethylene interact in rice grains in response to soil drying during grain filling. <i>Journal of Experimental Botany</i>, 2013, 64(8): 2523-2538.</p> <p>6. Zhiqin Wang, Yunji Xu, Jingchao Wang, Jianchang Yang*, Jianhua Zhang. Polyamine and ethylene interactions in grain filling of superior and inferior spikelets of rice. <i>Plant Growth Regulation</i>, 2012, 66: 215-228.</p> <p>7. Zhiqin Wang, Yunji Xu, Tingting Chen, Hao Zhang, Jianchang Yang*, Jianhua Zhang. Abscisic acid and the key enzymes and genes in sucrose-to-starch conversion in rice spikelets in response to soil drying during grain filling. <i>Planta</i>, 2015, 241(5): 1091-1107.</p>
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