

## Professor WANG Chunlei

College	College of Horticulture & Plant Protection
Current Position	Professor
Types of Tutor	Doctoral Tutor
Language	Chinese/English
Education	<p>Nanjing Agricultural University, Nanjing, China, September, 2004 - June, 2010 Ph.D. in Agricultural Science, September, 2006 – June, 2010, Area of Specialization: Reproductive and Development of Pear M.S. in Plant Development Biology, September, 2004 – June, 2006 Nanjing Xiaozhuang Normal College, Najing, China, September, 2000 – June, 2004 B.A. in Biology Education</p>
Research Interests	Reproductive and Development of Fruit Trees
Selected Publications	<p>(1) Wang Chun-Lei, Xu Guo-Hua, Jiang Xue-Tin, Chen Gong, Wu Jun, Wu Hua-Qing, Zhang Shao-Ling. S-RNase triggers mitochondrial alteration and DNA degradation in the incompatible pollen tube of <i>Pyrus pyrifolia</i> in vitro. <i>Plant Journal</i>, 2009, 57 (2) : 220-229. (IF=6.94)</p> <p>(2) Wang Chun-Lei, Wu Jun, Xu Guo-Hua, Gao Yong-bin, Chen Gong, Wu Ju-You, Wu Hua-qing, Zhang Shao-Ling. S-RNase disrupts tip-localized reactive oxygen species and induces nuclear DNA degradation in incompatible pollen tubes of <i>Pyrus pyrifolia</i>. <i>Journal of Cell Science</i>, 2010, 123 (24) : 4301-4309. (IF=6.14)</p> <p>(3) Wang CL, Gao Y B, Zhou HS, Zhang SL. A method for isolating mitochondria from pear pollen tubes, <i>Journal of Horticultural Science &amp; Biotechnology</i>, 2011, 86 (4) : 325-330.</p> <p>(4) Wang Chun-Lei, Zhang Zhi-Ping, Tonosaki Kaoru, Kitashiba Hiroyasu, Nishio Takeshi. S genotyping in Japanese plum and sweet</p>

	<p>cherry by allele-specific hybridization using streptavidin-coated magnetic beads. <i>Plant Cell Reports</i>, 2013, 32 (4) : 567-576。</p> <p>(5) Zhang Zhi-Ping, Miao Min-Min, Wang Chun-Lei (通讯作者). Effects of ALA on Photosynthesis, Antioxidant Enzyme Activity, and Gene Expression, and Regulation of Proline Accumulation in Tomato Seedlings Under NaCl Stress. <i>Journal of Plant Growth Regulation</i>, 2015, 34 (3) : 637-650。</p> <p>(6) Wang Chun-Lei, Zhang Zhi-Ping, Miao Min-Min. SNF1-related protein kinase (SnRK) 1 involved in the regulation of raffinose family oligosaccharides metabolism in cucumber (<i>Cucumis sativus</i> L.) calli. <i>Journal of Plant Growth Regulation</i>, 2016, 35(3): 851-864。</p> <p>(7) Wang C-L*(共同通讯), Zhang Z-P, Oikawa E, Kitashiba H, Nishio T* (2019) SCR-22 of pollen-dominant S haplotype class is recessive to SCR-44 of pollen-recessive S haplotype class in <i>Brassica rapa</i>. <i>Horticulture Research</i> 6: 25 (SCI 一区)</p>
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