



First Name: **Shutian** Last Name: **Tao**

Title: **Dr.**

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Education:

PhD: **Developmental Biology, Nanjing Agricultural University**

MS:

BS:

General Areas of Expertise:

"Quality control", "Culture practice", "Physiology"

Short Bio:

Shutian graduated from Life Science College, Nanjing Agricultural University, and took doctor's degree in "Developmental Biology", in 2009. He is now an associate professor in Nanjing Agricultural University. February 2011 to September 2012, he was appointed as the assistant of director of Agricultural Division, Department of Life Science, National Natural Science Foundation of China (NSFC), and from 2013 on, he was also appointed as Director, Office of Project Management, Academy of Science, Nanjing Agricultural University. As a teacher, he is giving several courses to undergraduate students, including "Subject of fruit science", "Research methods for horticulture science", "Experimental horticulture", "General introduction of horticulture science" and so on. As a researcher, he has been working in the field of "Quality control", "Culture practice", "Physiology", and "Antioxidant". During his study and work, he helped the director of research team to supervise 20 graduate or undergraduate students, and 15 for himself. He published more than 50 papers or meeting abstracts, which were totally downloaded more than 3394 and cited 178 times (data from CNKI and Scopus). He also submitted 44 patents, from which 24 were authorized. Besides, Shutian is active in academic communications, during his doctoral study, he worked as a visiting scholar in Agriculture and Agri-Food Canada; the research centre in which he is working, has good relationship with many domestic and international research institutes and universities, including AAFC, Birmingham University, University of Illinois, Mie University, and so on. He is individual member of Jiangsu society of strawberry production, CSHS and ISHS, and peer reviewer of The Philippine Agricultural Scientist and National Natural Science Foundation of China.

Five Representative Publications:

Huijun Jiao, Xing Liu, Shuguang Sun, Peng Wang, Xin Qiao, Jiaming Li, Chao Tang, Juyou Wu, Shaoling Zhang and Shutian Tao*. The unique evolutionary pattern of the Hydroxyproline-rich glycoproteins superfamily in Chinese white pear (*Pyrus bretschneideri*). *BMC Plant Biology*. 2018, 18:36
Xiaolong Li†, Shutian Tao†, Shuwei Wei, Meiling Ming, Xiaosan Huang, Shaoling Zhang and Jun Wu*. The mining and evolutionary investigation of AP2/ERF genes in pear (*Pyrus*). *BMC Plant Biology*. 2018, 18:46
Shutian Tao, Danyang Wang, Cong Jin, Wei Sun, Xing Liu, Fuyong Gao, Shahrokh Khanizadeh, Shaoling Zhang*. Cinnamate-4-Hydroxylase Gene Is Involved in the Step of Lignin Biosynthesis in Chinese White Pear. *J. AMER. SOC. HORT. SCI.* 2015, 140(6):573-579.
Gaihua Qin†, Shutian Tao†, Huping Zhang, Wenjiang Huang, Juyou Wu, Yiliu Xu* and Shaoling Zhang† Evolution of the Aroma Volatiles of Pear Fruits Supplemented with Fatty Acid Metabolic Precursors. *Molecules*. 2014, 19: 20183-20196
Juyou Wu††, Xiaoya Qin†, Shutian Tao†, Xueting Jiang, Yun-Kuan Liang and Shaoling Zhang†. Long-chain base phosphates modulate pollen tube growth via channel-mediated influx of calcium. *The Plant Journal*. 2014, 79: 507-5

FEWSTERN Symposium 2017 Presentation Title and Abstract: