

CURRICULUM VITAE

Personal Information			
Name	Jiaming Zhang	Gender	male
Position Title		professor	
Institute		Institute of Tropical Bioscience and Biotechnology, Chinese Academy of Tropical Agricultural Sciences	
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Research Interest			
Functional genomics , biotechnology and breeding of rubber tree, environmental microbiology and remediation and protection, next generation agriculture.			
Education & Working Experience			
Educational Background			
1985.9-1989.6	Huazhong Agricultural University, Crop Sciences, B.S.A.		
1989.9-1992.6	Huazhong Agricultural University, Genetics and breeding, M.A.		
1994.9-1997.7	Huazhong Agricultural University, Genetics and breeding, Ph. D		
1999.8-2001.8	Swedish University of Agricultural Sciences, Plant Science, Post-Doc		
2001.11-2004.8	University of Wyoming, USA, Post-Doc		
Working experience			
1992.7-1994.8	Research assistant, National Key laboratory of Tropical Crops Biotechnology, Chinese Academy of Tropical Agricultural Sciences (CATAS)		
1997.8-1999.7	Assistant research fellow, ational Key laboratory of Tropical Crops Biotechnology, CATAS		
1999.8-2001.8	Swedish University of Agricultural Sciences, Plant Science, Post-Doc		
2001.11-2004.8	University of Wyoming, USA, Post-Doc		
2004.8-2008.5	Associate Professor/Associate Research Fellow, Institute of Bioscience and Biotechnology, CATAS & South China Agricultural University		
2008.5-2010.2	Research Fellow, Institute of Bioscience and Biotechnology, CATAS & Adjunct professor, Hainan University		
2010.3-2011.8	Deputy director, Institute of Spice and Beverage Research, CATAS		
2011.8-2015.8	Research Fellow, Director of Research Division, Institute of Bioscience and Biotechnology, CATAS & Adjunct professor, Hainan University, Huazhong Agricultural University, and Nanjing Agricultural University		
2015.8-present	Research Fellow, Institute of Bioscience and Biotechnology, CATAS & Adjunct professor, Hainan University, Huazhong Agricultural University, and Nanjing Agricultural University		
Representative Result			



Representative publications:

1. Zehong Ding, Lili Fu, Deguan Tan, Xuepiao Sun, Jiaming Zhang, An integrative transcriptomic and genomic analysis reveals novel insights into the hub genes and regulatory networks associated with rubber synthesis in *H. brasiliensis*, *Industrial Crops and Products*, 153(2020), <https://doi.org/10.1016/j.indcrop.2020.112562> (通讯作者, JCR1 区, IF=4.58)
2. Deguan Tan, Lili Fu, Xuepiao Sun, Long Xu, Daobiao Pang, Jiaming Zhang*, 2020, Genetic analysis and immunoelectron microscopy of wild and mutant strains of the rubber tree endophytic bacterium *Serratia marcescens* strain ITBB B5-1 reveal key roles of a macrovesicle in storage and secretion of prodigiosin, *Journal of Agricultural and Food Chemistry*, <https://dx.doi.org/10.1021/acs.jafc.0c00078> (通讯作者, JCR1区, IF=3.8)
3. Lili Fu, Zehong Ding, Deguan Tan, Bingying Han, Xuepiao Sun, Jiaming Zhang* (2020) Genome-wide discovery and functional analysis of salt-responsive lncRNAs in duckweed, *BMC Genomics*, 2020, 21:212, DOI: <https://doi.org/10.1186/s12864-020-6633-x> (通讯作者, 2区, IF=3.501)
4. Zehong Ding#, Lili Fu#, Weiwei Tie, Yan Yan, Chunlai Wu, Wei Hu, Jiaming Zhang*, 2019, Extensive post-transcriptional regulation revealed by transcriptomic and proteomic integrative analysis in cassava under drought, *Journal of Agricultural and Food Chemistry*, DOI: 10.1021/acs.jafc.9b0001 (通讯作者, 1区, IF3.571)
5. Deguan Tan#, Anuwat Kumpeangkeaw#, Xuepiao Sun, Weiguo Li, Yiming Zhu, Jiaming Zhang*, 2019, Comparative morphology of *in vivo* and *in vitro* laticiferous cells and potential use of *in vitro* laticifers in early selection of rubber tree clones, *Trees*, 33(1): 193-203.

Representative patents:

- 1、Jiaming Zhang, Deguan Tan, Lili Fu, Bingying Han, Xuepiao Sun, A method to prolong the shelf-life of the duckweed germplasm, patent number: 201710666830.1, application date: 2017/05/07, granted date : 2019/03/29.
- 2、Deguan Tan, Jiaming Zhaqng, Anuwat Kumpeangkeaw et al. A method to improve somatic embryogenesis and plant regeneration of the rubber tree, patent number: 201510228852.0; application date: 2015/05/07; application number: 2015102288520; granted date: 2017/01/09.
- 3、Jiaming Zhang, Deguan Tan, Jing Peng, Bingying Han, Lili Fu, Xuepiao Sun, 2016, A method to screen for stimulus agents of rubber yield, patent number: ZL201510305256.8, application date: 2015/06/05, granted date: 2016/10/05.
- 4、Jiaming Zhang, Deguan Tan, Lili Fu, Xuepiao Sun, 2016, A method to transform cellulose to oil by using green microalgae, patent nubmer: ZL201310680770.0.
- 5、Jiaming Zhang, Deguan Tan, Xuepiao Sun, Peng Zheng, Lili Fu, Bingying Han, 2015, A bacterial strain and its application, patent numbe: ZL201310317868.X

Projects:

1. National Key Research and Developmental Project “Highly efficient breeding technology and its application”, subproject “rubber tree breeding for cold-resistant varieties”, project number: 2019YFD1001102, 2019-2022
2. National Science Foundation of China: Comparative morphology and transcriptome analysis of the laticifer cells in the bark and callus of the rubber tree and early prediction of yield, project number: 31471561, 2015/01-2018/12
3. National Key International Collaboration Project: Waste water remediation and Resource Utilication by the energy plant duckweeds, project number: 2014DFA30680, 2014/04/01-2017/03/31
4. National Natural Science Foundation: Functional analysis of the Arabidopsis pseudogene TGG6 and its functional allele, grant number: 31070271
5. National Key International Collaboration Project: High efficient transformation and utilization of tropical bioenergy, grant number: 2010DFA62040

Awards:

- 1、Deguan Tan, Shuai Ma, Lili Fu, Xiaowen Hu, Bingying Han, Jiaming Zhang, 2020, Studies and Inovative Utilization of Endophytic Bioresources of the rubber tree, Natural Science Award of Hainan Province, The Second Class

- 2、 Jiaming Zhang, Deguan Tan, Lili Fu, Bingying Han, Xuepiao Sun, Qunxing Wu, A research model and its innovative utilization of laticifer cells in the callus culture of the rubber tree , Science and Technology Improvement Award of Hainan Province, The third class
- 3、 Jiaming Zhang, Deguan Tan, Meng Wang, Dingqing Li, Sheng Lin, Xuepiao Sun, Shuai Ma, Han Nong, Zuobing Wu, Yujia Wu, Lili Fu, 2013, The plant thiogulcoside glucohydrolase gene family: Research and application, Award on the improvement of agricultural science and technology in China, the third class
- 4、 Jiaming Zhang et al. , 2011, The plant thiogulcoside glucohydrolase gene family: Research and application, Science and Technology Improvement Award of Hainan Province, the second class。
- 5、 Cuiling Zhang, Hongying Zhang, Yan Sun, Gang Wu, Jiaming Zhang, Lehe Tan, Peng Chen, Huifa Zhuang, 2011, Introduction and test cultivation of rice-flavored tea, Science and Technology Improvement Award of Hainan Province, the third class。