

CURRICULUM VITAE

Personal Information

Name	Jianghui Xie	Gender	Male
Position Title	Professor		
Institute	Institute of Tropical Bioscience and Biotechnology, Chinese Academy of Tropical Agricultural Sciences		
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Research Interest

Molecular Biology of Fruit Trees, Plant and Microbe Interaction

Education & Working Experience

Education

Institution	Degree	Year	Major
South China Agricultural University	Ph.D.	2008	Fruit Science
Southwest University	B.S.	1995	Fruit Science

Professional Experience

2015-Present	Vice-President, CATAS
2010-2015	Director, South Subtropical Crop Research Institute (SSCRI), CATAS
2008-2010	Secretary, Party Leadership Group, SSCRI, CATAS
2008-2010	Deputy Division Chief, Department of Science, Technology and Education, Ministry of Agriculture and Rural Affairs, PRC
2006-2008	Deputy Director, SSCRI, CATAS
2010-Present	Distinguished Professor, SSCRI, CATAS
2006-2010	Assistant Professor, SSCRI, CATAS
1999-2006	Research Associate, SSCRI, CATAS
1989-1994	Research Assistant, SSCRI, CATAS

Representative Result

Publications

1. Yufeng Chen, Wei Wang, Dengbo Zhou, Bingyu Cai, Miaoyi Zhang, Tao Jing, Xiaoping Zang, Lu Zhang, Jianghui Xie*. *Acetobacter orientalis* XJC-C with a high lignocellulosic biomass-degrading ability improves significantly composting efficiency of banana residues by increasing metabolic activity and functional diversity of bacterial community. 2021, 324: 124661.
2. Wei Y, Zhao Y, Zhou D, Qi D, Li K, Tang W, Chen Y, Jing T, Zang X, Xie J*, W Wang*. A newly isolated *Streptomyces* sp. YYS-7 with a broad-spectrum antifungal activity improves the banana plant resistance to *Fusarium oxysporum* f. sp. *cubense* Tropical Race 4. *Frontiers in Microbiology*, 2020, 11:1712.
3. Yufeng Chen, Wei Wang, Dengbo Zhou, Tao Jing, Kai Li, Yankun Zhao, Wen Tang, Dengfeng Qi, Miaoyi Zhang, Xiaoping Zang, Yanping Luo, Jianghui Xie. Biodegradation of lignocellulosic agricultural residues by a newly isolated *Fictibacillus* sp. YS-26 improving carbon metabolic properties and functional diversity of the rhizosphere microbial community. *Bioresource Technology* 310 (2020) 123381
4. Zhang L, Yuan L, Staehelin C, Li Y, Ruan J, Liang Z, Wang W*, Xie JH*, Huang, SZ*. The LYSIN MOTIF-CONTAINING RECEPTOR - LIKE KINASE 1 protein of banana is required for perception of pathogenic and symbiotic signals. *New Phytologist*, 2019, 223(3): 1530-1546. (SCI, IF: 7.43)
5. Tao Jing, Dengbo Zhou, Miaoyi Zhang, Tianyan Yun, Dengfeng Qi, Yongzan Wei, Yufeng Chen, Xiaoping Zang*, Wei Wang* and Jianghui Xie*. Newly isolated *Streptomyces* sp. JBS5-6 as a potential biocontrol agent to control banana fusarium wilt: genome sequencing and secondary metabolite cluster profiles. *Front. Microbiol.* 11:602591. doi: 10.3389/fmicb.2020.602591

Writing

Varieties and Technologies of Bananas from Tropical Countries of "One Belt And One Road" China Agricultural Science and Technology Press, 2019, (Major Editor)

Patents

(1) Jianghui Xie et al., A kind of *Streptomyces* yams and its application, 2020-04-07, China, ZL201711498986.X.

(2) Yajie Duan, Jianghui Xie, Zhencai Pang et al., A compound bacterial agent for the control of banana fusarium wilt and its control method. 2018-11-13, China, ZL201511009699.9.

(3) Jianghui Xie, Yiwei Mo, Wei Wang et al., A rapid screening method for banana resistance to Fusarium wilt, 2013-11-06, China, ZL200810198426.7.

(4) Yulin Hu, Jianghui Xie, Yiwei Mo et al., Banana seedling containers for artificial inoculation of Fusarium wilt, 2011-11-23, China, ZL201120050171.7

Research Support

Ministry of Science and Technology

Title: Research and Demonstration of Reduction and High Efficiency Comprehensive Technology of Fertilizer and Pesticide in Tropical Fruit Tree

Duration: 2018-2020

Amount: ¥7,770,000

Role: PI

Ministry of Agriculture of the People's Republic China (CARS-31)

Title: Modern Agro-industry Technology Research System Fund for Principal Scientists

Duration: 2016-2020

Amount: ¥1,500,000

Role: PI

Ministry of Agriculture of the People's Republic China (CARS-31)

Title: Modern Agro-industry Technology Research System Fund for Special Position Experts

Duration: 2016-2020

Amount: ¥3,500,000

Role: PI

Ministry of Agriculture of the People's Republic China (2014NWB047)

Title: Sorting, Cataloging and Safe Preservation of Tropical Fruit Germplasm Resources of the Ministry of Agriculture

Duration: 2014

Amount: ¥780,000

Role: PI

Ministry of Agriculture of the People's Republic China

Title: Demonstration and Promotion of New Technology for Safe, Efficient and Standardized Production of Mango

Duration: 2013

Amount: ¥200,000

Role: PI

Zhanjiang City (2013A03013)

Title: Research and Application of Comprehensive Prevention and Control Technology of Banana Fusarium Wilt

Duration: 2013

Amount: ¥60,000

Role: PI

Honors/Awards

- 2019 The second prize of National Science and Technology Progress Award (Fifth)
- 2015 The third prize of Chinese Agricultural Science and Technology Award (Third)
- 2015 The second prize of Chinese Agricultural Science and Technology Award (Seventh)
- 2014 The second prize of National Science and Technology Progress Award (Fifth)
- 2011 The first prize of Chinese Agricultural Science and Technology Award (First)
- 2010 The first prize of National Agriculture, Animal Husbandry and Fishery FENGSHOU Award (Seventh)
- 2009 The second prize of Guangdong Provincial Agricultural Technology Promotion Award (First)
- 2008 The third prize of Hainan provincial science and Technology Progress Award (First)