


师资队伍/个人信息

姓 名	冯学斌	性别	男	
职 称	副教授	系别	电气工程系	
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研究领域	电场生物效应、智能农业装备、生物质转化技术与装备			
社会兼职	无			
承担项目	<p>[1] 国家重点研发计划-社区垃圾湿组分清洁收集减量与环境污染控制技术（2019YFC1906103），2020.1-2023.12，任务主持人。</p> <p>[2] 国家自然科学基金青年基金项目-陡脉冲电场对水稻纹枯菌的杀灭效果及其机理研究（51507081），2016.1-2018.12，主持，已结题。</p> <p>[3] 中央高校基本科研业务费-陡脉冲电场对水稻纹枯菌的杀灭效果及其机理研究（KJQN201623），2016.01-2018.12，主持，已结题。</p> <p>[4] 南京农业大学科研启动基金-电磁脉冲模拟器及其水稻纹枯菌杀灭效果研究（RCQD13-12），2016.09-2019.9，主持，已结题。</p> <p>[5] 横向课题-设施花卉盆栽机械化技术及应用，2019.4-2022.4，主持。</p> <p>[6] 横向课题-交通信号配时管理系统，2019.11-2021.12，主持。</p> <p>[7] 横向课题-农业废弃物大通量槽式堆肥技术与装备，2019.9-2022.9，参与。</p> <p>[8] 横向课题-水稻穴直播机的改进设计，2019.4-2020.4，参与。</p> <p>[9] 横向课题-风送式施药雾滴力学特性研究，2017.9-2017.12，参与，已结题。</p> <p>[10] 江苏省产学研联合创新资金-温室风幕式静电施药技术研究和装备研制（BK2013050），江苏省科技厅，2013.9-2015.8，参与，已结题。</p> <p>[11] 连云港市产学研联合研究项目-2BMZF 型弹力夹持式免耕施肥精量播种机的研制（CXY1205），2012.10-2014.12，参与，已结题。</p> <p>[12] 高校联合项目-水稻高湿作物联合收获清选分离机理研究（201303003），2014.1-2015.1，参与，已结题。</p> <p>教改课题：</p> <p>[1] 农业工程类重点专业建设项目-高电压技术课程建设，2014.10-2015.10，主持，已结题。</p> <p>[2] 国家级精品在线开放课程项目-计算机网络在线开放课程（2018-1-0342），2018-2023，参与。</p> <p>[3] 江苏省在线开放课程项目-计算机网络，2017-2022，参与。</p>			

<p style="text-align: center;">学术成果</p>	<p>近期论文:</p> <p>[1] Xuebin Feng, Mengyu Zhu, Jin Xu, Wenqin Yin, Fei Hu*. Analysis of Factors Influencing the Transmembrane Voltage Induced in Filamentous Fungi by Pulsed Electric Fields. Microorganisms, 2019, 7 (9) : 307. (SCI)</p> <p>[2] Xuebin Feng, Peijun He, Chaoya Pan, Jin Xu, Baoshan Xue, Wenqing Yin, Yan Qian*. Effects of pulsed electric field on the cell wall and infection activity of Rhizoctonia solani, Biology, 2019, 8 (4) : 73.</p> <p>[3] Xuebin Feng, Zhuoyi Chen, Duqing Peng, Junhui Zhang, Wenqing Yin*, Design and optimization of gas spark switch for the suppression of Rhizoctonia solani, International Agricultural Engineering Journal, 2018, 27 (04):270-277. (EI)</p> <p>[4] Xuebin Feng, Qianhui Jiang , Mengyu Zhu , Jia Jiang , Wenqing Yin, Hua Li*. Damaging Effects of Pulsed Electric Field Process Parameters on Rhizoctonia solani Cells Using Response Surface Methodology. Appl. Sci. 2019, 9(21), 4706. (SCI)</p> <p>[5] Feng X B, He P J, Zhang H X, Yin W Q, Qian Y, Cao P, et al. Rice seeds identification based on back propagation neural network model. Int J Agric & Biol Eng, 2019, 12(6): 122–128. (SCI)</p> <p>[6] Xuebin Feng, Mengyu Zhu, Zhuoyi Chen, Wenqing Yin, Duqing Peng, Huaxi Zhang, Li Fan, Fei Hu*. Conductivity sensor for nutrient solution conductivity measurement in agriculture ,International Agricultural Engineering Journal, 2019, 28 (03):31. (EI)</p> <p>[7] 冯学斌, 钱燕, 张军晖, 尹文庆*, 纳秒级气体火花开关的研制[J], 南京农业大学学报, 2012, 35(01): 125-129.</p> <p>[8] 冯学斌, 尹文庆*, 王迎迎, 张美娜, 脉冲电场水稻纹枯菌杀灭效果研究, 浙江农业学报[J], 2013, 25 (02) : 365-369.</p> <p>专利与软件著作权:</p> <p>[1] 发明专利: 冯学斌, 尹文庆, 戴芳, 李骅, 钱燕, 张军晖, 王江林. 一种间隙精确可调的三电极气体火花开关, ZL 2016 1 1170063.7, 2018-01-02.</p> <p>[2] 发明专利: 冯学斌, 邱威, 王孚康, 曹鹏, 冯超, 韩如锦, 孟沛冰. 一种多喷头可调式喷枪, ZL 2016 1 0122637.7, 2018-08-24.</p> <p>[3] 实用新型: 冯学斌, 邱威, 尹文庆, 丁启朔, 冯超, 张俊, 曹鹏, 谢淋晒. 自走式温室风幕型静电喷雾车, 实用新型专利, ZL 201520303351.X, 2016-01-20.</p> <p>[4] 软件著作权: 冯学斌, 尹文庆, 邱威, 曹鹏, 谢淋晒, 冯超, 韩如锦. 基于 VC++ 的多轴移动控制拍照系统 V1.0, 2015SR159783, 2015-08-18.</p> <p>[5] 软件著作权: 冯学斌, 邱威, 尹文庆, 曹鹏, 谢淋晒, 韩如锦, 冯超. 基于 VC++ 的麦种图像采集处理系统 V1.0, 2015SR159294, 2015-08-18.</p>
<p style="text-align: center;">奖励荣誉</p>	<p>教学奖励:</p> <p>2018 年第四届西浦全国大学教学创新大赛年度教学创新二等奖。</p> <p>学科竞赛:</p> <p>[1] 2017 年全国三维数字化创新设计大赛全国二等奖优秀指导老师;</p> <p>[2] 2017 年全国三维数字化创新设计大赛江苏省特等奖优秀指导老师;</p> <p>[3] 2015 年“东方红杯”全国大学生智能农业装备创新大赛优秀指导教师。</p>

Teaching staff/Personal information

Name	XuebinFeng	Gender	Male	
Title	Associate Professor	Department	Electrical Engineering	
Degree	Ph. D.	Telephone	15951671657	
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Unit address	No.40 Dianjiangtai Road, Pukou Area, Nanjing City	Post code	210031	
Research field	Biological Effect of Electric Field, Intelligent Agricultural Equipment, Technology and Equipment of Biomass conversion.			
Social appointments				
Research projects	<p>[1]National Key R&D Program Of China: Research On Cleanly Collect And Compress Of Wet Components In Community Waste And Environmental Pollutant Control Technology (2019YFC1906103) , 2020.1-2023.12, task leader.</p> <p>[2] Project supported by the National Natural Science Foundation of China: Studies on the effect and mechanism of the Rhizoctoria solani apoptosis caused by steep pulsed electric field (Grant No. 51507081), 2016.1-2018.12, host.</p> <p>[3] Fundamental Research Funds for the Central Universities, Studies on the effect and mechanism of the Rhizoctoria solani apoptosis caused by steep pulsed electric field (KJQN2016-23), 2016.1-2018.12, host.</p> <p>[4] Young Teachers Fund of Nanjing Agricultural University, Electromagnetic pulse simulator and its sterilization effect of Rhizoctoria solani (RCQD13-12), 2016.09-2019.9, host.</p> <p>[5] Enterprise Project, Mechanization technology and application of potted plants, 2019.4-2022.4, host.</p> <p>[6] Enterprise Project, Traffic signal timing management system, 2019.11-2021.12, host.</p> <p>[7] Enterprise Project, Composting technology and equipment of large flux for agricultural waste, 2019.9-2022.9, participation.</p> <p>[8] Enterprise Project, Improved design of rice seeding machine, 2019.4-2020.4, participation.</p> <p>[9] Enterprise Project, Study on the mechanical properties of spray drops with wind-driven application, 2017.9-2017.12, participation.</p> <p>[10] Joint innovation fund of industry, university and research institute of Jiangsu province, Technology research and equipment development for pesticides with electrostatic spray and air assist in greenhouse (BK2013050), 2013.9-2015.8, participation.</p> <p>[11] Joint research project of industry, university and research institute of Lianyungang city, Development of 2BMZF type precision planter with elastic clamping and no-tillage fertilizing (CXY1205), 2012.10-2014.12, participation.</p> <p>[12] University joint project, Study on the joint harvest and separation mechanism of</p>			

	<p>rice high-humidity crop(201303003), 2014.1-2015.1, participation.</p> <p>Educational reform topics:</p> <p>[1] Key construction project of agricultural engineering, High voltage technology course construction, 2014.10-2015.10, host.</p> <p>[2]National quality open online course, Computer network (2018-1-0342), 2018-2023, participation.</p> <p>[3] Jiangsu province open online course,Computer network, 2017-2022, participation.</p>
<p>Academic achievements</p>	<p>Recent papers:</p> <p>[1] Xuebin Feng, Mengyu Zhu, Jin Xu, Wenqin Yin, Fei Hu*. Analysis of Factors Influencing the Transmembrane Voltage Induced in Filamentous Fungi by Pulsed Electric Fields. Microorganisms, 2019, 7 (9) : 307. (SCI)</p> <p>[2] Xuebin Feng, Peijun He, Chaoya Pan, Jin Xu, Baoshan Xue, Wenqing Yin, Yan Qian*. Effects of pulsed electric field on the cell wall and infection activity of Rhizoctonia solani, Biology, 2019, 8 (4) : 73.</p> <p>[3]Xuebin Feng, Zhuoyi Chen, Duqing Peng, Junhui Zhang, Wenqing Yin*, Design and optimization of gas spark switch for the suppression of Rhizoctonia solani, International Agricultural Engineering Journal, 2018, 27 (04):270-277. (EI)</p> <p>[4] Xuebin Feng , Qianhui Jiang , Mengyu Zhu , Jia Jiang , Wenqing Yin, Hua Li*.Damaging Effects of Pulsed Electric Field Process Parameters on Rhizoctonia solani Cells Using Response Surface Methodology. Appl. Sci. 2019, 9(21), 4706. (SCI)</p> <p>[5] Feng X B, He P J, Zhang H X, Yin W Q, Qian Y, Cao P, et al. Rice seeds identification based on back propagation neural network model. Int J Agric & Biol Eng, 2019; 12(6): 122–128. (SCI)</p> <p>[6]Xuebin Feng, Mengyu Zhu, Zhuoyi Chen, Wenqing Yin, Duqing Peng, Huaxi Zhang, Li Fan, Fei Hu* Conductivity sensor for nutrient solution conductivity measurement in agriculture ,International Agricultural Engineering Journal, 2019, 28 (03):31. (EI)</p> <p>[7] Feng xue-bin, Qian Yan, Zhang Jun-hui, Yin Wen-qing*, Development of Nanosecond Gas Spark Switch, Journal of Nanjing Agricultural University, 2012, 35(01):125-129.</p> <p>[8] Feng xue-bin, Yin Wen-qing*, Wang Ying-ying, Zhang Mei-na, Effect of Pulsed Electric Field on The Rhizoctoria Solani, Acta Agriculturae Zhejiangensis, 2013, 25(2): 365-369</p> <p>Patents and Software copyright:</p> <p>[1] Invention patent: Xuebin Feng, Wenqing Yin, Fang Dai, Hua Li, Yan Qian, Junhui Zhang, Jianglin Wang. a three-electrode gas spark switch with precisely adjustable gap, ZL 2016 1 1170063.7,2018-01-02.</p> <p>[2] Invention patent: Xuebin Feng, Wei Qiu, Fukang Wang, Peng Cao, Chao Feng, Rujin Han. Adjustable Spray Gun with Multiple Nozzles, ZL 2016 1 0122637.7,2018-08-24.</p> <p>[3] Utility model:Xuebin Feng, Wei Qiu,WenqingYin, Qishuo Ding, Chao Feng, Jun Zhang, Peng Cao, Linshai Xie. Self-propelled spray vehicle with electrostatic spray and air assistin greenhouse air curtain electrostatic, ZL 201520303351.X, 2016-01-20.</p> <p>[4] Software copyright: Xuebin Feng, WenqingYin, Wei Qiu, Peng Cao, Linshai Xie,Chao Feng, Rujin Han. Camera system withmulti-axis motion control V1.0 based on VC++, 2015SR159783, 2015-08-18.</p> <p>[5] Software copyright: Xuebin Feng, Wei Qiu,WenqingYin,Peng Cao, Linshai Xie,Rujin Han, Chao Feng. Image acquisition and processing system V1.0 forwheat seedsbased on VC++, 2015SR159294, 2015-08-18.</p>

Reward & honor	Teaching award: The annual teaching innovation award, second prize, the fourth xipu national university teaching innovation competition, 2018. Subject Contests: [1] Excellent teacher of national second prize in "3D Design Show ", 2017. [2] Excellent teacher of Jiangsu province special prize in "3D Design Show ", 2017. [3] Excellent teacher of first prize in "Red East Cup" national college students' intelligent agricultural equipment innovation contests, 2015.
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