



中文核心期刊
中国科学引文数据库来源期刊
中国科技核心期刊

ISSN 1008-0864
CN 11-3900/S
CODEN ZNKDAJ

中国农业科技导报

Journal of
Agricultural Science
and Technology

2019年 第二十一卷 Vol.21 第 **1** 期 No.1

科学技术部主管 中国农村技术开发中心主办

中国农业科技导报

2019年 第21卷 第1期

目次

农业创新论坛

- 大数据在精准农业上的应用 漆海霞,林圳鑫,兰玉彬(1)
非洲猪瘟发生对我国生猪产业发展的影响 聂赞彬,乔娟(11)

生物技术 生命科学

- 植物组织特异性启动子研究进展 焦勇,柳小庆,江海洋,陈茹梅(18)
烟叶发育过程中糖代谢相关酶活性及基因的表达分析
..... 李峥,潘飞龙,方明,谭方利,吴文信,刘小斌,李宏光,贺帆(29)
B超测定种猪活体性能影响因素的分析 夏欣,赵书红,胡军勇,刘望宏,倪德斌(37)
细菌耐药基因 *cfr* 的研究进展 轩慧勇,蔡建星,夏利宁(43)

智慧农业 农机装备

- 基于遥感光谱的作物氮含量估算研究进展 梁雪映,樊风雷(51)
基于 ADAMS 的谷物联合收割机切割器及整机平顺性仿真分析 李金凤,刘贤喜,张开兴(62)
水稻表层根系图像分割算法研究 梁丽秀,叶军立,吴丹,杨万能(70)
基于空间分析的黑龙江稻瘟病重点发生区域识别
..... 周恒,宋显东,王春荣,胡亚军,张齐凤,王振,周丁扬(80)
籽棉碰撞模型中恢复系数的测定及分析 孔凡婷,石磊,张玉同,陈长林,孙勇飞,谢庆(92)
马铃薯块茎形态结构模型主要参数的确定与验证
..... 陈昱利,杨平,巩法江,毕海滨,岳霆,高明慧,曹宏鑫(100)

食品质量 加工储运

- 新疆骏枣氨基酸营养价值评价 王成,吴东峰,何伟忠,吴文良(108)

生物制造 资源生态

- 我国东部地区农田土壤重金属污染概况
..... 邹萌萌,周卫红,张静静,刘影,杜小龙,李建龙(117)
不同种植方式密植对花生开花结实的影响
..... 张俊,刘娟,臧秀旺,郝西,汤丰收,董文召,张忠信,苗利娟,刘华(125)
不同烤烟品种(系)叶片组织结构、腺毛及分泌物比较分析
..... 张思琦,何佳,周方,徐世晓,王袁,刘超,张安乾,陈芳,孙志浩,杨铁钊(132)
连作对大蒜土壤养分、微生物结构和酶活的影响
..... 李奉国,马龙传,孔勇,孔磊,李冠喜,周晶(141)
施钾对百日草生长和开花的影响 魏敏,朱彦霖,翟雅楠,李海云(148)

方法与技术创新

- 二维相关红外光谱分析鉴别不同产地黑木耳
..... 林浩坚,刘刚,杨卫梅,安冉,欧全宏,时有明(154)
火焰南天竹组织培养体系建立与优化 周志疆,陈明亮,杨佩娟(164)

征订启事 《中国农业科技导报》征订启事(封二) 《生物技术进展》征订启事(封三)

前沿动态(169) 信息交流(170) 作者投稿指南(172)

CONTENTS

AGRICULTURAL INNOVATION FORUM

- Application of Big Data in Precision Agriculture *QI Haixia, LIN Zhenxin, LAN Yubin*(1)
 Impact of African Swine Fever on the Development of Pig Industry in China *NIE Yunbin, QIAO Juan*(11)

BIOTECHNOLOGY & LIFE SCIENCE

- Research Advances of Plant Tissue Specific Promoters ... *JIAO Yong, LIU Xiaoqing, JIANG Haiyang, CHEN Rumei*(18)
 Dynamic Analysis of Enzyme Activities and Expression of Genes Related to Sugar Metabolism During the
 Development of Tobacco
 *LI Zheng, PAN Feilong, FANG Ming, TAN Fangli, WU Wenxin, LIU Xiaobin, LI Hongguang, HE Fan*(29)
 Influencing Factors of Breeding Pig Living Performance Detection by B-mode Equipment
 *XIA Xin, ZHAO Shuhong, HU Junyong, LIU Wanghong, NI Debin*(37)
 Research Progress of *cfr* Gene Mediated Bacteria Resistance *XUAN Huiyong, CAI Jianxing, XIA Lining*(43)

INTELLIGENT AGRICULTURE & AGRICULTURAL MACHINERY

- Research Progress on Crop Nitrogen Content Estimation Based on Remote Sensing Spectrum
 *LIANG Xueying, FAN Fenglei*(51)
 Grain Combine Harvester Cutter and Whole Machine Smoothness Simulation Analysis Based on ADAMS
 *LI Jinfeng, LIU Xianxi, ZHANG Kaixing*(62)
 Study on Image Segmentation Algorithm of Rice Surface Root ... *LIANG Lixiu, YE Junli, WU Dan, YANG Wanneng*(70)
 Key Area Analysis of Rice Blast in Heilongjiang Province Based on Spatial Analysis
 *ZHOU Heng, SONG Xiandong, WANG Chunrong, HU Yajun, ZHANG Qifeng,*
WANG Zhen, ZHOU Dingyang(80)
 Measurement and Analysis of Seed Cotton' Restitution Coefficient in Point-to-plate Collision Model
 *KONG Fanting, SHI Lei, ZHANG Yutong, CHEN Changlin, SUN Yongfei, XIE Qing*(92)
 Determination and Validation of Main Parameters of Potato Tuber Morphological Structure Model
 *CHEN Yuli, YANG Ping, GONG Fajiang, BI Haibin, YUE Ting, GAO Minghui, CAO Hongxin*(100)

FOOD QUALITY & PROCESSING AND STORAGE

- Evaluation on Amino Acid Nutritional Value of Xinjiang Jun Jujube
 *WANG Cheng, WU Dongfeng, HE Weizhong, WU Wenliang*(108)

BIO-MANUFACTURING & RESOURCE AND ECOLOGY

- Heavy Metal Pollution of Cultivated Soil in Eastern China
 *ZOU Mengmeng, ZHOU Weihong, ZHANG Jingjing, LIU Ying, DU Xiaolong, LI Jianlong*(117)
 Effect of Different Close Planting Patterns on Peanut Flowering and Fruiting *ZHANG Jun, LIU Juan,*
ZANG Xiuwang, HAO Xi, TANG Fengshou, DONG Wenzhao, ZHANG Zhongxin, MIAO Lijuan, LIU Hua(125)
 Comparison Analysis of Leaf Tissue Structure, Trichome and Exudates of Different Flue-cured Tobacco
 Varieties (Lines) *ZHANG Siqu, HE Jia, ZHOU Fang, XU Shixiao,*
WANG Yuan, LIU Chao, ZHANG Anqian, CHEN Fang, SUN Zhihao, YANG Tiezhao(132)
 Effect of Continuous Garlic Cropping on Soil Nutrients, Microbial Structure and Enzyme Activity
 *LI Fengguo, MA Longchuan, KONG Yong, KONG Lei, LI Guanxi, ZHOU Jing*(141)
 Effects of Potassium Application on Growth and Bloom of *Zinnia elegans*
 *WEI Min, ZHU Yanlin, ZHAI Yanan, LI Haiyun*(148)

INNOVATIVE METHODS AND TECHNOLOGIES

- Discrimination of *Auricularia auricula* from Different Producing Areas with Two-dimensional Correlation Infrared
 Spectroscopy *LIN Haojian, LIU Gang, YANG Weimei, AN Ran, OU Quanhong, SHI Youming*(154)
 Establishment and Optimization of Tissue Culture System for *Nandina domestica* 'Fire power'
 *ZHOU Zhijiang, CHEN Mingliang, YANG Peijuan*(164)

中文核心期刊

中国科学引文数据库 (CSCD) 来源期刊

中国科技核心期刊 (中国科技论文统计源期刊)

中国核心期刊 (遴选) 数据库收录期刊

RCCSE中国核心学术期刊 (A)

中国农业核心期刊

中国学术期刊综合评价数据库来源期刊

《中国期刊网》《中国学术期刊 (光盘版)》全文收录期刊

Journal of Agricultural Science and Technology

新浪微博
中国农业科技导报
微信公众号
nykjdb



ISSN 1008-0864

