



中文核心期刊
中国科技核心期刊
中国科学引文数据库(CSCD)来源期刊
RCCSE中国核心学术期刊(A)
中国农林核心期刊

ISSN 2095-1191

CODEN NNXAAB

南方农业学报

Nanfang Nongye Xuebao

第54卷 第7期 2023年7月

Journal of Southern Agriculture

Vol.54 No.7 Jul. 2023

7

2023

广西壮族自治区农业科学院 主办

Sponsored by Guangxi Academy of Agricultural Sciences



科学出版社 出版
Published by Science Press

南方农业学报

Nanfang Nongye Xuebao

第54卷 第7期 2023年7月

目 次

优秀青年学者论坛

- 1893 阿维菌素对瓜实蝇3种解毒酶系的影响 姜建军,王凤英,陈 默,黄立飞,曹雪梅,杨 朗
1903 江西甘薯地方种质资源表型性状的遗传多样性分析 肖满秋,兰孟焦,吴问胜,潘 煜,张 洋,侯隆英

作物遗传育种·种质资源·分子生物学

- 1914 斑地锦黄酮醇合成酶基因(*EmFLS*)及其启动子克隆及表达分析 宋美玲,郭三保,桂明明,张永康,李灵心,黄胜和
1925 木薯根组织特异性启动子的克隆及鉴定 李远超,李 可,王连南,陈 新,李有志,王文泉
1933 长日照条件下2个热带玉米自交系的蛋白质组学分析 罗文举,路雪萍,童伟杨,李亚娇,马培杰,陈泽辉,王小利

生理生化·土壤肥料·农业生态环境

- 1944 热带水稻种质资源全生育期耐盐性鉴定与评价 周玉杰,贺治洲,林秋云,胡 伟,龙开意,林越辉,谢振宇
1953 干旱胁迫对马铃薯全生育期根际土壤细菌群落的影响 吉 泽,刘一依,刘福翠,姚 遥,祝春月,矣晓翠,陈 斌,肖关丽
1966 糯高粱间作大豆不同带宽配置对糯高粱光合特性、干物质和养分积累及产量的影响 彭方丽,汪 灿,周棱波,高 杰,张国兵,赵 强,陈思宇,邵明波
1977 微生物组与代谢组联合分析解淀粉芽孢杆菌对水分亏缺下马铃薯的促生效应 邢 媛,顾雅婷,刘 丽,李刚惠,郭华春,李 俊
1988 不同光照条件对玉米萌发过程中营养成分和抗氧化酶活性的影响 吕 丹,郑 冉,罗红兵
1997 腾冲红花油茶花梗内生细菌的多样性 黄 融,吴晓漫,荀利杰,孟庆鑫,田亚凯,董 坤,龚雪阳,董 霞
2005 木薯/大豆间作行距对作物产量和效益的影响 劳承英,黄渝岚,李艳英,周 佳,周灵芝,韦本辉,李素平,申章佑

植物保护·农业气象

- 2015 黄曲条跳甲气味结合蛋白基因*PstrOBP1*克隆测序及其原核表达 张国辉,杨 岭,夏 根,田晓丽,毛永娜

- 2023 31个水稻主效抗瘟基因对广西稻瘟病菌群体的抗性分析
..... 岑贞陆,韦彦,农倩,李焜华,韦善富,韦丽丽,颜群
- 2031 天敌宽体金线蛭胁迫对不同性比福寿螺种群特征的影响
..... 陈映僮,姚富成,何麒锋,贺爱兰,张少斌,彭红元,郭靖
- 2039 外源喷施茉莉酸对甘蔗白条病发生的影响
..... 许晖镁,张天杰,史梦婷,洪鼎凯,高三基,王锦达
- 2050 钩状木霉的分离鉴定及对辣椒炭疽菌和薏苡黑粉菌的抑菌活性
..... 郑传奇,令狐美林,舒忠泽,汤鑫鑫,周佳佳,苏荣荣,陈华

加工·贮藏·质量安全

- 2060 不同萎凋温度和时间对夏季白茶品质的影响
..... 常睿,罗红玉,张丽,李欢欢,王奕,陈善敏,钟应富
- 2071 蝶豆花奇亚籽酸奶果冻工艺优化及贮存品质分析
..... 朱玲,周晓丽,杨景峰,黎慧敏,杨莹
- 2081 小花山柰根状茎挥发油和营养成分及其抗植物病原菌活性分析
..... 冯莹,仇思润,王张豪,何宇豪,黄茵茵,李逸彤,李婉琳,单体江
- 2092 不同青贮玉米品种产量和青贮品质的综合评价
..... 李淑君,袁亮,祁志云,杨华,付忠军

畜牧·兽医·水产·蚕桑

- 2101 鸡 SLC 基因超家族分析及其在蛋壳形成不同时期的表达特征
..... 高志群,虞霖田,陆阳清
- 2115 NEFA对牛骨骼肌细胞线粒体功能及脂肪酸代谢相关基因的影响
..... 黄泳,杨艺,赵颖,付叶,龚婷
- 2126 家蚕核型多角体病毒 $lef-8$ 基因克隆及系统进化分析
..... 张永红,杨大平,许珍娣,邵榆岚,李玲利,张宏瑞
- 2135 狂犬病病毒脑内感染MyD88^{-/-}小鼠对肺脏病理变化的影响
..... 凌小清,蔡宗伶,谭深根,刘俊丹,侯华琳,张银,梁晶晶,李晓宁,罗廷荣
- 2146 猪 $SBPI$ 基因过表达与干扰重组慢病毒载体的构建及鉴定
..... 胡荣斌,洪兴,潘志洪,吴兴凤,李莉,何逸懿,徐娥
- 2155 2个杂交鸡种生长性能比较与生长曲线模型建立
..... 康佳佳,何洋,施红梅,李子健,李梦媛,刘梦潜,刘永,王坤,刘丽仙,葛长荣
- 2164 碱度胁迫对青海湖裸鲤血清生理生化指标的影响
..... 阿琳林,张海琛,许保可,岳苗,尹卫,周卫国,丰朝晖,张宏,梁健
- 2175 猪塞内卡谷病毒VP1蛋白原核表达及多克隆抗体制备
..... 莫红芳,石宗承,陆晶山,何东贤,杨延辉,梁淑芳,俸祥仁,钱平,韦巧燕
- 2184 鲤致病性维氏气单胞菌的分离鉴定及生物学特性分析
..... 裴立硕,刘彬,韩卓然,孙敬峰

Journal of Southern Agriculture

Vol.54 No.7, 2023

Contents

Outstanding Young Scholars Forum

- 1893 Effects of abamectin on the three detoxification enzyme systems in *Bactrocera cucurbitae* (Coquillett)
.....JIANG Jian-jun, WANG Feng-ying, CHEN Qian, HUANG Li-fei, CAO Xue-mei, YANG Lang
1903 Genetic diversity analysis of phenotypic traits of sweetpotato landraces germplasm resources in Jiangxi
.....XIAO Man-qiu, LAN Meng-jiao, WU Wen-sheng, PAN Hao, ZHANG Yang, HOU Long-ying

Crop Genetics & Breeding · Germplasm Resources · Biotechnology

- 1914 Cloning and expression analysis of *EmFLS* gene and its promoter in *Euphorbia maculata*
.....SONG Mei-ling, GUO San-bao, GUI Ming-ming, ZHANG Yong-kang, LI Ling-xin, HUANG Sheng-he
1925 Cloning and identification of root tissue-specific promoter from cassava (*Manihot esculenta* Crantz.)
.....LI Yuan-chao, LI Ke, WANG Lian-nan, CHEN Xin, LI You-zhi, WANG Wen-quan
1933 Proteomics analysis of two tropical maize inbred lines under long sunshine condition
.....LUO Wen-ju, LU Xue-ping, TONG Wei-yang, LI Ya-jiao, MA Pei-jie, CHEN Ze-hui, WANG Xiao-li

Physiology & Biochemistry · Soil & Fertilizer · Agroecology Environment

- 1944 Identification and evaluation for salt tolerance of tropical rice germplasm resources in whole growth period
.....ZHOU Yu-jie, HE Zhi-zhou, LIN Qiu-yun, HU Wei, LONG Kai-yi, LIN Yue-hui, XIE Zhen-yu
1953 Effects of drought stress on rhizosphere soil bacterial community of potato throughout the reproductive period
.....JI Ze, LIU Yi-ji, LIU Fu-cui, YAO Yao, ZHU Chun-yue, YI Xiao-cui, CHEN Bin, XIAO Guan-li
1966 Effects of different width configurations on photosynthetic characteristics, dry matter and nutrients accumulation, and yield of waxy sorghum in waxy sorghum-soybean intercropping system
.....PENG Fang-li, WANG Can, ZHOU Ling-bo, GAO Jie, ZHANG Guo-bing,
.....ZHAO Qiang, CHEN Si-ji, SHAO Ming-bo
1977 Growth promotion effects of *Bacillus amyloliquefaciens* on potato under water deficit by combining microbiome and metabolome
.....XING Yuan, GU Ya-ting, LIU Li, LI Gang-hui, GUO Hua-chun, LI Jun
1988 Effects of different light conditions on nutrient components and antioxidant activity in maize during germination
.....LYU Dan, ZHENG Ran, LUO Hong-bing
1997 Diversity of endophytic bacteria in pedicel of *Camellia reticulata* Lindl
.....HUANG Rong, WU Xiao-man, XUN Li-jie, MENG Qing-xin, TIAN Ya-kai,
.....DONG Kun, GONG Xue-yan, DONG Xia
2005 Effects of intercropping row spaces between cassava and soybean on crop yields and economic profit
.....LAO Cheng-ying, HUANG Yu-lan, LI Yan-ying, ZHOU Jia, ZHOU Ling-zhi,
.....WEI Ben-hui, LI Su-ping, SHEN Zhang-you

Plant Protection · Agrometeorology

- 2015 Cloning, sequencing and prokaryotic expression of an odorant-binding protein gene *PstrOBP1* from *Phylloptreta striolata* (Fabricius)
.....ZHANG Guo-hui, YANG Ling, XIA Gen, TIAN Xiao-li, MAO Yong-na

- 2023 Resistance analysis of 31 major rice blast resistance genes against *Magnaporthe grisea* (Hebert) Barr population in Guangxi CEN Zhen-lu, WEI Yan, NONG Qian, LI Kun-hua, WEI Shan-fu, WEI Li-li, YAN Qun
- 2031 Effects of stress by the natural enemy *Whitmania pigra* on population characteristics of *Pomacea canaliculata* Lamarck with different sex ratios CHEN Ying-tong, YAO Fu-cheng, HE Qi-feng, HE Ai-lan, ZHANG Shao-bin, PENG Hong-yuan, GUO Jing
- 2039 Effects of exogenous spraying of jasmonic acid on the occurrence of sugarcane leaf scald XU Hui-mei, ZHANG Tian-jie, SHI Meng-ting, HONG Ding-kai, GAO San-ji, WANG Jin-da
- 2050 Isolation, identification of *Trichoderma hamatum* and determination of its antibacterial activity on *Colletotrichum capsici* and *Ustilago coicis* ZHENG Chuan-qi, LINGHU Mei-lin, SHU Zhong-ze, TANG Xin-xin, ZHOU Jia-jia, SU Rong-rong, CHEN Hua

Processing · Storage · Quality Safety

- 2060 Effects of different withering temperatures and times on the quality of summer white tea CHANG Rui, LUO Hong-yu, ZHANG Li, LI Huan-huan, WANG Yi, CHEN Shan-min, ZHONG Ying-fu
- 2071 Optimization of the process of butterfly pea and chia seed yogurt jelly and storage quality analysis ZHU Ling, ZHOU Xiao-li, YANG Jing-feng, LI Hui-min, YANG Ying
- 2081 Essential oils and nutrients constitutes of *Kaempferia parviflora* rhizome and the activities against plant pathogens FENG Ying, QIU Si-run, WANG Zhang-hao, HE Yu-hao, HUANG Yin-yin, LI Yi-tong, LI Wan-lin, SHAN Ti-jiang
- 2092 Comprehensive evaluation on yield and silage quality of different silage corn varieties LI Shu-jun, YUAN Liang, QI Zhi-yun, YANG Hua, FU Zhong-jun

Animal Science · Veterinary Science · Aquaculture · Sericulture

- 2101 Analysis of chicken *SLC* gene superfamily and its expression characteristics in different stages of eggshell formation GAO Zhi-qun, YU Lin-tian, LU Yang-qing
- 2115 Effects of NEFA on mitochondrial function and fatty acid metabolism related genes in bovine skeletal muscle cells HUANG Yong, YANG Yi, ZHAO Ying, FU Ye, GONG Ting
- 2126 Cloning and phylogenetic analysis of *lef-8* gene in *Bombyx mori* nucleopolyhedrovirus ZHANG Yong-hong, YANG Da-ping, XU Zhen-di, SHAO Yu-lan, LI Ling-li, ZHANG Hong-rui
- 2135 Effects of MyD88^{-/-} mice with rabies virus intracerebral infection on lung pathological changes LING Xiao-qing, CAI Zong-ling, TAN Shen-gen, LIU Jun-dan, HOU Hua-lin, ZHANG Yin, LIANG Jing-jing, LI Xiao-ning, LUO Ting-rong
- 2146 Construction and identification of porcine *SBP1* gene overexpression and interference recombinant lentiviral vector HU Rong-bin, HONG Xing, PAN Zhi-hong, WU Xing-feng, LI Li, HE Yi-yi, XU E
- 2155 Comparison of growth performance and establishment of growth curve model of two hybrid chicken breeds KANG Jia-jia, HE Yang, SHI Hong-mei, LI Zi-jian, LI Meng-yuan, LIU Meng-qian, LIU Yong, WANG Kun, LIU Li-xian, GE Chang-rong
- 2164 Effects of alkalinity stress on serum physiological indexes of *Gymnocypris przewalskii* A Lin-lin, ZHANG Hai-chen, XU Bao-ke, YUE Miao, YIN Wei, ZHOU Wei-guo, FENG Chao-hui, ZHANG Hong, LIANG Jian
- 2175 Prokaryotic expression of porcine Seneca valley virus VP1 protein and preparation of polyclonal antibody MO Hong-fang, SHI Zong-cheng, LU Jing-shan, HE Dong-xian, YANG Yan-hui, LIANG Shu-fang, FENG Xiang-ren, QIAN Ping, WEI Qiao-yan
- 2184 Isolation, identification and biological characteristics of *Aeromonas veronii* from *Cyprinus carpio* PEI Li-shuo, LIU Bin, HAN Zhuo-ran, SUN Jing-feng

被国际和国内重要数据库收录情况：

- 英国《国际农业与生物科学研究中心(全文库)》(CABI) 来源期刊
- 美国《化学文摘(网络版)》(CA) 来源期刊
- 俄罗斯《文摘杂志》P&K(AJ) 来源期刊
- 美国《艾博思科数据库》(EBSCOhost) 来源期刊
- 英国《动物学记录》(ZR) 来源期刊
- 英国《食品科技文摘》(FSTA) 来源期刊
- 美国《乌利希期刊指南(网络版)》(Ulrichsweb) 收录期刊
- 日本《日本科学技术振兴机构数据库》(JST) 来源期刊
- 国际原子能机构《国际核信息系》(INIS) 来源期刊
- 波兰《哥白尼索引》(IC) 来源期刊
- 中文核心期刊
- 中国科技核心期刊(中国科技论文统计源期刊)
- 中国科学引文数据库(CSCD) 来源期刊
- RCCSE中国核心学术期刊(A)
- 中国农林核心期刊(A类)
- 《国家科技学术期刊开放平台》收录期刊
- 中国科学文献计量评价数据库(ASPT) 来源期刊
- 中国期刊全文数据库(CJFD) 全文来源期刊
- 中国知网、万方数据库、维普数据库、博看网、龙源期刊网、超星数字化期刊群来源期刊

主 编 邓国富

常务副主编 覃泽林

副 主 编 罗廷荣 顾明华 石德顺

编辑部主任 兰宗宝

责任 编辑 麻小燕 兰宗宝 思利华 罗丽 王晖 陈燕 邓慧灵 陈德元(英文)

英 文 审 校 Ghulam Sarwar Solangi Muskesh Kumar Malviya Prakash Lakshmanan

南方农业学报

(月刊, 1940年创刊)

第54卷第7期(总第454期)

Journal of Southern Agriculture

(Monthly, Started in 1940)

Vol.54 No.7 (Tot.454)

主管单位：广西壮族自治区农业科学院

主办单位：广西壮族自治区农业科学院

编辑单位：《南方农业学报》编辑部

通信地址：南宁市西乡塘区大学东路174号

邮政编码：530007

电话号码：0771-3240518 3243905 3244920

传真号码：0771-3244701

电子信箱：nfnyxb@163.com

网络地址：<http://www.nfnyxb.com>

出版日期：2023年7月25日

出版单位：科学出版社

北京市东黄城根北街16号 邮编：100717

电话：010-64017032

印刷单位：广西瑞丰印务有限公司

总发行：科学出版社

订购单位：全国各地邮政局

国内发行：南宁市邮政局

海外发行：中国国际图书贸易集团有限公司

发行代号：MO3350

Supervised by Guangxi Academy of Agricultural Sciences

Sponsored by Guangxi Academy of Agricultural Sciences

Edited by Editorial Department of Journal of Southern Agriculture

Add.: No.174, Daxue East Road, Xixiangtang District, Nanning, China

Postcode: 530007

Tel: 86-771-3240518 3243905 3244920

Fax: 86-771-3244701

E-mail: nfnyxb@163.com

Website: <http://www.nfnyxb.com>

Published on July 25, 2023

Published by Science Press

Add.: No.16, Donghuangchenggen North Street, Beijing, China

Postcode: 100717 Tel: 86-10-64017032

Printed by Guangxi Rui Feng Printing Co., Ltd.

Distributed by Science Press

Subscription All Local Post Offices in China

Issued Abroad by China International Book Trading Corporation

(P.O. Box 399, Beijing 100044, China)

Abroad Issue No. MO3350

ISSN 2095-1191

CN 45-1381/S

Dewey# 630

CODEN NNXAAB

邮发代号：48-3 定价：45.00元

