

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***

2021年 第23卷 第 3 期

中华人民共和国科学技术部主管 中国农村技术开发中心主办

中国农业科技导报

第23卷 第3期 2021年3月

目 次

农业创新论坛

- 后脱贫时代国内外农业科技发展经验及其对我国的启示 李书奎,任金政,李晓涛,赵鑫(1)
中国农业可持续发展水平多尺度时空演变特征 王颖,喻阳华(8)
基于新发展理念的农业高质量发展:内涵、问题及举措 杜思梦,刘涛(18)

生物技术 生命科学

- 283份小麦品种(系)萌发期耐盐碱性评价及种质筛选
..... 李媛媛,陈博,姚立蓉,翟雪婷,司二静,汪军成,马小乐,孟亚雄,王化俊,李葆春,杨亮(25)
重金属铊胁迫下水稻(*Oryza sativa L.*)根系草酸含量与铊吸收的关系
..... 刘芳,王摸云,杨睿祺,杨钊楠,张平,姚焱(34)
铅、锌、镉胁迫对多年生黑麦草生长及生理生化特性的影响
..... 张茂,徐彦红,席溢,裴应杰,黄本用,杨克超,李金孟(41)
高通量测序鉴定中间锦鸡儿干旱条件下的 microRNA
..... 苏雨萌,张旭婷,特日格乐,田敏,尚晓蕊,李国婧,王瑞刚(51)
不同颜色红三叶种子活力的初步研究
..... 吕鹏辉,张震东,王晔,周吉红,宋振伟,段留生,李润枝(58)
不同成熟期烤烟主脉中膜脂过氧化及其与衰老相关基因的关系探究
..... 范宁波,周俊学,江凯,王宏,史龙飞,高玉龙,陈颐(66)
耐辐射异常球菌黄嘌呤脱氢酶在氧化胁迫反应中的作用
..... 陈晓楠,高丽华,周正富,张维,陈明(73)
谷关假单胞菌脂肪酶基因 *PgLip1* 的克隆和表达 张冰玉,苏小运(82)

食品质量 加工储运

- 食品中产毒真菌核酸检测方法的研究进展 张庆,赵晓美,王婷,刘冰,陈颖(91)
UPLC-MS/MS 同时检测蔬菜中三种杀菌剂残留的研究
..... 黄丽,邓毅书,浦恩堂,代雪芳,李文希(99)
油梨果品质的差异分析与评价
..... 罗立娜,韩树全,王代谷,李茂富,马蔚红,张正学,刘小翠(105)
磷酸盐对 PSE 猪肉食用品质和微观结构的影响
..... 刘广娟,徐泽权,邢世均,陈铮,朱明睿,徐艳丽,张洪瑞,张莉,王子荣(114)

生物制造 资源生态

- 麦秆还田对直播和移栽棉花产量及氮素吸收的影响
..... 张旭,何俊峰,陈佛文,李继福,吴启侠,谭京红,邹家龙(122)

- 有机培肥对土壤肥力及玉米氮素利用和产量的影响 王秀娟,解占军,韩瑛祚,娄春荣,董环,何志刚(132)
- 施氮量及打顶方式对棉花营养积累与分配及产量的影响 张特,康正华,赵强,聂志勇,王蜜蜂,崔延楠(139)
- 施肥对贺兰山东麓滴灌条件下‘赤霞珠’葡萄产量和品质的影响 孔德谦,何振嘉,刘全祖,吴永杰(148)
- 黄土残塬沟壑区不同土地利用方式下土壤动物群落特征 王嘉元,秦富仓,杨振奇,任小同,芳菲,张颖(156)
- 菌根化育苗对盐胁迫下加工番茄生长和生理特征的影响 顾惠敏,陈波浪,孙锦(166)
- 温室生草对南疆桃叶片、果实质量的影响 杨梦宇,张琦,袁振杨,陈俊,闫利(178)
- 盐爪爪根际耐盐促生菌的筛选及穴栽验证 张志东,顾美英,唐琦勇,楚敏,朱静,孙建,杨蓉,徐万里(186)
- 太行菊属植物根际土壤微生物多样性初步研究 景晓雅,孙柳清,李尚彧,高亚楠,吴云锋,王袆玲,陈伟(193)
- 雷沃阿波斯农业装备(封二) 百美村宿(封三)
- 作者投稿指南(201)

CONTENTS

AGRICULTURAL INNOVATION FORUM

- Development Experiences of Agricultural Science and Technology at Home and Abroad and Enlightenment to China in the Post-Poverty Era *LI Shukui, REN Jinzheng, LI Xiaotao, ZHAO Xin*(1)
Evolution in the Spatio-temporal Pattern of Agricultural Sustainable Development Level in China Based on Multi-scales *WANG Ying, YU Yanghua*(8)
High-quality Development of Agriculture Based on New Development Concept: Connotation, Problems and Measures *DU Simeng, LIU Tao*(18)

BIOTECHNOLOGY & LIFE SCIENCE

- Evaluation of Salt and Alkali Tolerance and Germplasm Screening of 283 Wheat Varieties (Lines) During Germination *LI Yuanyuan, CHEN Bo, YAO Lirong, ZHAI Xueling, SI Erjing, WANG Juncheng, MA Xiaole, MENG Yaxiong, WANG Huajun, LI Baochun, YANG Liang*(25)
Relationship Between Oxalate Content and Thallium Absorption in Rice(*Oryza sativa* L.) Roots Under Thallium Stress *LIU Fang, WANG Moyun, YANG Ruiqi, YANG Zhaonan, ZHANG Ping, YAO Yan*(34)
Effects of Pb²⁺, Zn²⁺ and Cd²⁺ on Growth, Physiological and Biochemical Characteristics of Perennial Ryegrass *ZHANG Mao, XU Yanhong, XI Yi, PEI Yingjie, HUANG Benyong, YANG Kechao, LI Jinmeng*(41)
Identification of microRNAs in *Caragana intermedia* Kuang by High Throughput Sequencing Under Drought Stress *SU Yumeng, ZHANG Xuting, Terigele, TIAN Min, SHANG Xiaorui, LI Guojing, WANG Ruigang*(51)
Preliminary Study on Seed Vigor of Red Clover Seeds with Different Colors *LYU Penghui, ZHANG Zhendong, WANG Ye, ZHOU Jihong, SONG Zhenwei, DUAN Liusheng, LI Runzhi*(58)
Membrane Lipid Peroxidation and Its Relationship with Senescence-related Genes in Main Veins of Flue-Cured Tobacco at Different Maturity Stages *FAN Ningbo, ZHOU Junxue, JIANG Kai, WANG Hong, SHI Longfei, GAO Yulong, CHEN Yi*(66)
Role of Xanthine Dehydrogenase in Oxidative Stress Response of *Deinococcus radiodurans* R1 *CHEN Xiaonan, GAO Lihua, ZHOU Zhengfu, ZHANG Wei, CHEN Ming*(73)
Cloning and Expression of Lipase Gene *PgLip1* from *Pseudomonas guguanensis* *ZHANG Bingyu, SU Xiaoyun*(82)

FOOD QUALITY & PROCESSING AND STORAGE

- Advance on Detection Methods of Nucleic Acid for Toxin-producing Fungi in Food *ZHANG Qing, ZHAO Xiaomei, WANG Ping, LIU Bing, CHEN Ying*(91)
Simultaneous Determination of Three Fungicides in Vegetables by UPLC-MS/MS *HUANG Li, DENG Yishu, PU Entang, DAI Xuefang, LI Wenxi*(99)
Analysis and Evaluation of the Differences in Fruit Quality of Avocado *LUO Lina, HAN Shuquan, WANG Daigu, LI Maofu, MA Weihong, ZHANG Zhengxue, LIU Xiaocui*(105)
Effect of Phosphate on Eating Quality and Microstructure of PSE Pork *LIU Guangjuan, XU Zequan, XING Shijun, CHEN Zheng, ZHU Mingrui, XU Yanli, ZHANG Hongrui, ZHANG Li, WANG Zirong*(114)

BIO-MANUFACTURING & RESOURCE AND ECOLOGY

- Influences of Wheat Straw Returning on the Yield and Nitrogen Uptake of Direct-seeding and Transplanting Cotton *ZHANG Xu, HE Junfeng, CHEN Fowen, LI Jifu, WU Qixia, Tan Jinghong, ZOU Jialong*(122)
Effects of Organic Fertilization on Soil Fertility, Nitrogen Utilization Efficiency and Yield of Maize *WANG Xiujuan, XIE Zhanjun, HAN Yingzuo, LOU Chunrong, DONG Huan, HE Zhigang*(132)

- Impacts of Nitrogen Application Rate and Topping Methods on Nutrient Accumulation, Distribution and Yield of Cotton *ZHANG Te, KANG Zhenghua, ZHAO Qiang, NIE Zhiyong, WANG Mifeng, CUI Yannan*(139)
- Effect of Fertilization on Yield and Quality of ‘Cabernet Sauvignon’ Grape Under Drip Irrigation at the East Foot of Helan Mountain *KONG Deqian, HE Zhenjia, LIU Quanzu, WU Yongjie*(148)
- Characteristics of Soil Animal Communities Under Different Land Use in Gully Area of Loess Plateau *WANG Jiayuan, QIN Fucang, YANG Zhenqi, REN Xiaotong, FANG Fei, ZHANG Ying*(156)
- Influences of Mycorrhizal Seedling on Growth and Physiological Characteristics of Processing Tomato Under Salt Stress *GU Huimin, CHEN Bolang, SUN Jin*(166)
- Effects of Intercropping Grass on Peach Leaf and Fruit Quality in Greenhouse of Southern Xinjiang *YANG Mengyu, ZHANG Qi, YUAN Zhenyang, CHEN Jun, YAN Li*(178)
- Screening of Salt-tolerant and Growth-promoting Bacteria in the Rhizosphere of *Kalidium foliatum* and the Functional Identification in Pot Experiments *ZHANG Zhidong, GU Meiyi, TANG Qiyong, CHU Min, ZHU Jing, SUN Jian, YANG Rong, XU Wanli*(186)
- Rhizospheric Microorganisms Diversity Analysis of *Opisthopappus* sp. *JING Xiaoya, SUN Liuqing, LI Shangyu, GAO Yanan, WU Yunfeng, WANG Yiling, CHEN Wei*(193)

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**

微信公众号
nykjdb



ISSN 1008-0864

