

中文核心期刊

ISSN 1000-1700

CODEN SNDBE7

# 沈阳农业大学学报

JOURNAL OF SHENYANG AGRICULTURAL UNIVERSITY

第49卷 第4期

Vol.49 No.4

沈阳农业大学学报

JOURNAL OF SHENYANG AGRICULTURAL UNIVERSITY

Vol. 49

No. 4

2018



2018

# 沈阳农业大学学报

2018年8月 第49卷 第4期 (总第195期)

## 目次

### ■研究报告

水稻纹枯病菌及毒素的寄主抗性响应差异

..... 许月,魏松红,王海宁,孔令春,张 优,李思博,罗文芳 (385)

PI-*Wolbachia* 对松毛虫赤眼蜂交配行为和生物学特性的影响

..... 刘泉泉,段立佳,董前进,李媛媛,董 辉,丛 斌,张 琪 (393)

表皮蜡质对‘翠鸟’玉簪生理特性的影响

..... 许玉凤,曲玉莹,郝 鑫,王 鹏,曲 波 (402)

蒙古栎天然次生林土壤微生物群落特征及其与土壤理化特性的关系

..... 陈雅昕,邓娇娇,周永斌,殷 有,魏亚伟,白雪娇,朱文旭 (409)

7种金鱼线粒体基因组比较

..... 赵莹莹,郑先虎,匡友谊,马立鸣,何 川,朱晓琛,董 婧,魏 华,孙效文 (417)

农田地面不平度测试装置的设计与试验

..... 王利娟,闫建国,侯占峰,张 永 (425)

基于标准化降水蒸散指数的干旱敏感性分析——以呼伦贝尔市为例

..... 迟道才,沙 炎,陈涛涛,赵 清,刘光辉 (433)

日光温室自主寻迹喷药车设计方法研究

..... 许童羽,冯 帅,陈春玲,须 晖,金 彦 (440)

### ■研究简报

不同干旱胁迫程度对大豆叶片抗氧化特性的影响

..... 马玉玲,李 爽,王文佳,马泽众,刘丽君,董守坤 (447)

两个葡萄杂交后代群体的白腐病抗性鉴定及遗传分析

..... 高宏艳,郭印山,苏 凯,任志华,赵玉辉,刘镇东,李 坤,郭修武 (453)

辽宁风沙土区连作年限对花生植株性状、产量及主要病害的影响 .....	黄玉茜,刘欣宇,林 英,梁春浩,马京莹,韩晓日	(459)
洋水仙 Dutch Master 愈伤组织的诱导、分化及植株再生 .....	孙晓梅,孙 琪,费日雯,麻永磊,李雪婷,姚希诺	(465)
功能性发芽花生露制备工艺与稳定性研究 .....	高 琦,党 猛,张建超,陆 超,薛友林	(471)
温室太阳能辅助加温系统的设计与试验 .....	于 威,刘艳华,刘文合,赵荣飞,张玉清	(480)
超高效液相色谱-串联质谱法测定沼肥中六种喹诺酮类抗生素 .....	张 敏,张 俊,付海滨,刘庆玉,李金洋	(486)
基于介电特性的土壤盐渍化实时检测研究及系统实现 .....	池 涛,曹广溥,李丙春,孜克尔·阿不都热合曼,王文龙	(491)

## ■ 综述

离子液体萃取金属离子的研究进展 .....	刘青山,赵丽薇	(498)
--------------------------	---------	-------

## ● 科技成果

农村节能低碳住宅建筑技术集成与应用 .....		(464)
-------------------------	--	-------

## ● 学术带头人

大豆遗传改良与生理生态——谢甫绌教授 .....		(封二、封三)
--------------------------	--	---------

---

期刊基本参数: CN21-1134/S\*1956\*b\*A4\*128\*zh\*P\*¥10.00\*800\*17\*2018-08

本期责任编辑: 亓 国 英文责任编辑: 汪景宽 封面设计: 杨一峰

# JOURNAL OF SHENYANG AGRICULTURAL UNIVERSITY

August in 2018 Vol. 49 No. 4 (Sum 195)

## CONTENTS

### ■ RESEARCH REPORT

- The Difference of Physiological Responses to Pathogen Infection of Rice Sheath Blight  
and Toxin ..... *XU Yue, WEI Song-hong, WANG Hai-ning,  
KONG Ling-chun, ZHANG You, LI Si-bo, LUO Wen-fang* (385)
- Effects of PI-*Wolbachia* on Mating Behavior and Biological Characteristics  
in *Trichogramma dendrolimi* Matsumura ..... *LIU Quan-quan, DUAN Li-jia,  
DONG Qian-jin, LI Yuan-yuan, DONG Hui, CONG Bin, ZHANG Qi* (393)
- Effects of Epidermal Wax on Physiological Characteristics of Hosta ‘Halcyon’  
..... *XU Yu-feng, QU Yu-ying, HAO Xin, WANG Peng, QU Bo* (402)
- Characteristics of Soil Microbial Community and Its Relationship with Soil Physical and  
Chemical Properties in Natural Secondary Forests of *Quercus mongolica*  
..... *CHEN Ya-xin, DENG Jiao-jiao, ZHOU Yong-bin,  
YIN You, WEI Ya-wei, BAI Xue-jiao, ZHU Wen-xu* (409)
- Comparison of Mitochondrial Genomes of Seven Kinds of *Carassius auratus auratus*  
..... *ZHAO Ying-ying, ZHENG Xian-hu, KUANG You-yi,  
MA Li-ming, HE Chuan, ZHU Xiao-chen, DONG Jing, WEI Hua, SUN Xiao-wen* (417)
- Design and Experiment on Agricultural Field Profiling Apparatus  
..... *WANG Li-juan, YAN Jian-guo, HOU Zhan-feng, ZHANG Yong* (425)
- Analysis of Drought Sensitivity Based on Standardized Precipitation Evapotranspiration Index  
—Taking Hulunbeier as An Example ..... *CHI Dao-cai, SHA Yan,  
CHEN Tao-tao, ZHAO Qing, LIU Guang-hui* (433)
- Research on Design Method of Self Tracking Spray Vehicle in Solar Greenhouse  
..... *XU Tong-yu, FENG Shuai, CHEN Chun-ling, XU Hui, JIN Yan* (440)

## ■ SHORT RESEARCH REPORT

- Effect of Drought Stress on Antioxidant Properties of Soybean Leaves ..... *MA Yu-ling, LI Shuang, WANG Wen-jia, MA Ze-zhong, LIU Li-jun, DONG Shou-kun* (447)
- White Rot Resistance Identification and Genetic Analysis for Two Offspring of Grapevine ..... *GAO Hong-yan, GUO Yin-shan, SU Kai, REN Zhi-hua, ZHAO Yu-hui, LIU Zhen-dong, LI Kun, GUO Xiu-wu* (453)
- Effects of Continuous Cropping Years on Plant Trait, Yield and Disease Index of Peanuts in Sandy Soil Region of Liaoning ..... *HUANG Yu-qian, LIU Xin-yu, LIN Ying, LIANG Chun-hao, MA Jing-ying, HAN Xiao-ri* (459)
- Callus Induction, Differentiation and Plant Regeneration of *Narcissus pseudonarcissus* cv. Dutch Master ..... *SUN Xiao-mei, SUN Qi, FEI Ri-wen, MA Yong-lei, LI Xue-ting, YAO Xi-nuo* (465)
- Study on the Processing Technique and Stability of Functional Sprouted Peanut Drink ..... *GAO Qi, DANG Meng, ZHANG Jian-chao, LU Chao, XUE You-lin* (471)
- Design and Experiment of Solar Assisted Heating System in Greenhouse ..... *YU Wei, LIU Yan-hua, LIU Wen-he, ZHAO Rong-fei, ZHANG Yu-qing* (480)
- Determination of Six Quinolones Antibiotics in Biogas Manures by Ultra Performance Liquid Chromatography-tandem Mass Spectrometry ..... *ZHANG Min, ZHANG Jun, FU Hai-bin, LIU Qing-yu, LI Jin-yang* (486)
- Research on Real-time Detection about Soil Salinization Based on Dielectric Properties ..... *TAO Chi, CAO Guang-pu, LI Bing-chun, ZIKL Abdurahman, WANG Wen-long* (491)

## ■ REVIEW

- Advances in Metal Ion Extraction with Ionic Liquids ..... *LIU Qing-shan, ZHAO Li-wei* (498)