

目 录

作物遗传育种·生物技术

- 233 大果油茶基因组 DNA 提取及 ISSR 反应体系建立(英文) 杨翠芳,陈伯伦,黄诚梅,吕维莉  
236 不同基因型苦瓜种子发育过程中核糖体失活蛋白的累积变化 黄如葵,罗海玲,黄玉辉,陈小凤,  
刘杏连,梁家作  
240 解磷菌株黑曲霉 PSFM 发酵条件优化研究 梁艳琼,雷照鸣,贺春萍,郑肖兰,  
郑服丛  
246 苦瓜育种及相关基础研究进展 陈小凤,黄如葵,黄玉辉,罗海玲,  
陈振东  
250 水稻粒重遗传与育种研究进展 彭丁文

耕作栽培·生理生化

- 253 水稻幼苗期耐寒生理特性鉴定及利用 王威豪,石瑜敏,刘百龙,韦善富,  
毛昌祥  
257 2 甲 4 氯对罂粟 SOD、POD 酶活性及膜脂过氧化作用的影响 王 鑫,郭平毅,原向阳,吕苗苗,  
程 强  
261 一氧化氮与植物激素之间相互作用研究进展 张盛敏,王罗霞,陈银华  
267 2009 年全国南方区花生新品种区域试验 林志豪,李少雄,吴春玲,卢发仕,  
陈国泽,吴昌湛  
271 1982~2008 年广西春大豆良种区域试验综合总结 曾维英,陈 渊,梁 江,汤复跃,  
韦清源

植物保护

- 277 广西灵山县甘蔗木蠹蛾的发生及防治建议 黄诚华,王伯辉,何远兰,潘雪红,  
魏吉利,黄冬发  
280 甘蔗宿根矮化病研究进展 陈明辉,杨丽涛,谢晓娜,刘光玲,  
孙 富,杨建波,李杨瑞  
284 植物生长延缓剂对两种绿篱植物矮化效应研究 黄艳花,梁 萍,石爱莲  
288 调环酸钙安全性初步评价 郑先福,赵东生,孙炳剑,郑 昊

土壤肥料·农业生态环境

- 291 桂蔬一号黑皮冬瓜氮磷钾优化施肥模式研究 梁家作,熊柳梅,王益奎,刘杏连,  
黄如葵  
295 不同施肥条件下甘蔗对钾的吸收利用研究 谭宏伟,周柳强,谢如林,黄美福

园艺·贮藏·保鲜·加工

- 299 铁皮石斛无公害标准化种植技术及产品质量分析 黄茂康,莫磊兴,叶建保,孙 健,  
封 毅,文柳璿  
303 微波膨化对南瓜片营养成分和微观结构的影响 徐圣兰,李春阳,石彦国

308 桑枝屑栽培秀珍菇高产配方试验

吴 登,朗 宁,陈雪凤,谢毅栋,  
卢玉文,沈 莹,郑凯芸

### 畜牧·兽医·水产·蚕桑

311 广西猪圆环病毒 2 型的遗传进化分析

廖承球,何莘萍,郭 旋,兰家暖,  
张民秀,黄福标,卢冰霞,刘 磊,  
刘 芳,黄伟坚

315 丁鲷鱼胚胎及仔鱼发育的观察

陈福艳,梁万文,冯鹏霏,黄光华

320 北海文昌鱼雄鱼群体繁殖特性研究

杨学明,张 立,黄光华,江林源

324 猪脑心肌炎病毒一步法 RT-PCR 检测方法的建立及应用

施开创,莫胜兰,胡丽萍,杨 荣,  
郑 敏,李 军

328 乳酸杆菌对罗非鱼生长和抗病力的影响

曾地刚,雷爱莹

332 2010 年广西桑蚕鲜茧与干茧质量同步调查初报

莫现会,杨其保,罗 群

### 综述·专论

336 热带花卉种质资源图文数据库系统的设计与实现

王琴飞,尹俊梅,陈金花,陈帮乾,  
杨光穗

340 基于模糊综合评价模型的城市土地集约利用潜力评价  
——以河南省平顶山为例

陈 磊,刘秀华

345 基于农业发展优势的县域农业结构调整  
——以南宁市兴宁区为例

刘旭晔,刘战平,蔡 旺

## CONTENTS

**Crop genetic & breeding·biotechnology**

- 233 Isolation of genomic DNA and establishment of ISSR reaction system for *Camellia crepnelliana* Tutch YANG Cui-fang, CHEN Bo-lun, HUANG Cheng-mei, Lü Wei-li
- 236 Changes in accumulation of ribosome-inactive proteins (RIPs) at different seed development stages in three *Momordica charantia* genotypes HUANG Ru-kui, LUO Hai-ling, HUANG Yu-hui, CHEN Xiao-feng, LIU Xing-lian, LIANG Jia-zuo
- 240 Optimization of fermentation condition for phosphate-solubilizing fungi (*Aspergillus niger*) LIANG Yan-qiong, LEI Zhao-ming, HE Chun-ping, ZHENG Xiao-lan, ZHENG Fu-cong
- 246 Advances in bitter melon (*Momordica charantia* L.) breeding and related basic research CHEN Xiao-feng, HUANG Ru-kui, HUANG Yu-hui, LUO Hai-ling, CHEN Zhen-dong
- 250 Research progress on the utilization of rice grain weight traits in molecular breeding PENG Ding-wen

**Tillage & cultivation·physiology & biochemistry**

- 253 Identification and utilization of physiological characteristics imparting chilling-resistance in rice at seedling stage WANG Wei-hao, SHI Yu-min, LIU Bai-long, WEI Shan-fu, MAO Chang-xiang
- 257 Effect of MCPA on activities of SOD and POD and lipid peroxidation in *Papaver somniferum* L. WANG Xin, GUO Ping-yi, YUAN Xiang-yang, Lü Miao-miao, CHENG Qiang
- 261 Research progress on the interaction between nitric oxide and phytohormones ZHANG Sheng-min, WANG Luo-xia, CHEN Yin-hua
- 267 Regional trial of new peanut varieties bred in Southern China district LIN Zhi-hao, LI Shao-xiong, WU Chun-ling, LU Fa-shi, CHEN Guo-ze, WU Chang-zhan
- 271 Summary on regional trials of improved spring soybean varieties in Guangxi from 1982-2008 ZENG Wei-ying, CHEN Yuan, LIANG Jiang, TANG Fu-yue, WEI Qing-yuan

**Plant protection**

- 277 Occurrence of *Phragmataecia* sp. in Lingshan County of Guangxi and its control measures HUANG Cheng-hua, WANG Bo-hui, HE Yuan-lan, PAN Xue-hong, WEI Ji-li, HUANG Dong-fa
- 280 Research advances in ratoon stunting disease of sugarcane CHEN Ming-hui, YANG Li-tao, XIE Xiao-na, LIU Guang-ling, SUN Fu, YANG Jian-bo, LI Yang-rui
- 284 Effects of plant growth retardants on *Hibiscus rosa-sinensis* L. and *Carmona microphylla* (Lam.) G. Don HUANG Yan-hua, LIANG Ping, SHI Ai-lian
- 288 Preliminary evaluation on the security of prohexadione-calcium ZHENG Xian-fu, ZHAO Dong-sheng, SUN Bing-jian, ZHENG Hao

**Soil & fertilizer·agroecology environment**

- 291 Optimized nitrogen, phosphorus and potassium fertilization method for cultivation of black wax gourd variety Guishu 1 LIANG Jia-zuo, XIONG Liu-mei, WANG Yi-kui, LIU Xing-lian, HUANG Ru-kui
- 295 Potassium uptake and its utilization in sugarcane under the different fertilization levels TAN Hong-wei, ZHOU Liu-qiang, XIE Ru-lin, HUANG Mei-fu

**Horticulture·storage·fresh-keeping·processing**

- 299 A pollution-free technique for *Dendrobium officinale* Kimura et Migo cultivation and analysis of the product quality HUANG Mao-kang, MO Lei-xing, YE Jian-bao, SUN Jian, FENG Yi, WEN Liu-ying
- 303 Effects of microwave puffing on nutrients and microstructure of pumpkin crisp XU Sheng-lan, LI Chun-yang, SHI Yan-guo
- 308 Experiment on mulberry sawdust formula for high-yield cultivation of *Pleurotus geesteranus* WU Deng, LANG Ning, CHEN Xue-feng, XIE Yi-dong, LU Yu-wen, SHEN Ying, ZHENG Kai-yun

**Animal science·veterinary science·aquiculture·sericulture**

- 311 Analysis of genetic variations in porcine circovirus type 2 strains in Guangxi  
LIAO Cheng-qiu, HE Ping-ping, GUO Xuan, LAN Jia-nuan, ZHANG Min-xiu, HUANG Fu-biao, LU Bing-xia, LIU Lei, LIU Fang, HUANG Wei-jian
- 315 Observations on embryonic and larvae development in *Tinca tinca* Linnaeus  
CHEN Fu-yan, LIANG Wan-wen, FENG Peng-fei, HUANG Guang-hua
- 320 Reproduction characteristics of male *Branchiostoma belcheri* Gray population in Beihai, Guangxi  
YANG Xue-ming, ZHANG Li, HUANG Guang-hua, JIANG Lin-yuan
- 324 Development of one-step RT-PCR assay for detection of porcine encephalomyocarditis virus and its applications  
SHI Kai-chuang, MO Sheng-lan, HU Li-ping, YANG Rong, ZHENG Min, LI Jun
- 328 Effect of *Lactobacillus* supplementation on growth and disease resistance in tilapia  
ZENG Di-gang, LEI Ai-ying
- 332 Synchronous investigations on quality of fresh and dry cocoons of silkworm in Guangxi in 2010  
MO Xian-hui, YANG Qi-bao, LUO Qun

**Reviews·monographs**

- 336 Design and implementation of a database system for germplasm resources of tropical flowers  
WANG Qin-fei, YIN Jun-mei, CHEN Jin-hua, CHEN Bang-qian, YANG Guang-sui
- 340 Evaluation of intensive use potential of urban land based on fuzzy synthetic evaluation model——A case study in Pingdingshan City, Henan Province  
CHEN Lei, LIU Xiu-hua
- 345 Adjustment in structure of prefectural agriculture based on its developmental advantages——Case study on Xingning District, Nanning City  
LIU Xu-ye, LIU Zhan-ping, CAI Wang