

目 录

作物遗传育种·生物技术

- 349 不同培养基对铁皮石斛组培快繁的影响(英文) 黄昌艳,李魁鹏,杨美纯,周 珊
353 线粒体蛋白质组学技术及其在植物细胞质雄性不育机理研究中的应用 陈 鹏,周瑞阳,蒋利和
358 广西桑树种质资源亲缘关系的 SRAP 分析 林 强,朱方容,邱长玉,陈小青,赵卫国,李 乙,曾燕蓉,朱光书,唐燕梅,宾荣佩
364 广西野生大豆种质资源 SSR 引物筛选 曾维英,陈 渊,梁 江,汤复跃,韦清源,王典结
368 10 个玉米自交系配合力效应和杂优组合模式评价 陈桂兰,阳康春,蒙月群,刘大海,阳 俭,周 顺
372 水稻三系不育系玉丰 A 的选育与应用 周灵芝,王彩先,杨仕冠,陈 颖,林 林,李业伟

耕作栽培·生理生化

- 375 环境温度对收获甘蔗贮藏品质的影响(英文) Singh P, Solomon S
380 不同 pH 值对甘蔗幼苗生长和生理特性的影响 刘光玲,陈荣发,田富桥,杨丽涛,李杨瑞
384 转化酶与甜瓜果实膨大及糖分积累相关研究 罗海玲,黄玉辉,张 曼,王日升,黄如葵,何龙飞,韦正宝
388 不同控释氮肥用量对早稻生长性状及产量的影响 严 炜,刘光华,姜予强,刘 倩,李月仙,郭容琦,段春芳,李明福
391 木薯间套作栽培研究概况及产业发展对策
395 甘薯藤蔓漂浮育苗快繁技术研究初报

植物保护

- 399 19 个水稻雄性不育系对南方水稻黑条矮缩病的抗性评价 潘凤英,廖咏梅,海 博,周瑞阳
403 2.2%甲氨基阿维菌素苯甲酸盐微乳剂防治水稻二化螟药效试验 韩鹏杰,范仁俊,封云涛,杜恩强,赵荣华
406 南宁市常见园林绿化植物冷害调查与分析 黄旭光,罗恩波,陆 仟,黄晓红,罗 宇,雷 雯,钟平生,汤玉娟,张颂声
412 惠州西湖景区古树名木病虫害调查及保护建议

园艺·贮藏·保鲜·加工

- 415 有棱丝瓜新品种皇冠 3 号的选育 黎 炎,李文嘉,王益奎,吴永官,康德贤,梁任繁
418 四倍体西瓜嫁接栽培试验 何 毅,李文信,洪日新,覃斯华,黄金艳,李天艳,樊学军

422 南方早熟梨二次开花的成因及防治研究进展

付传明,黄宁珍,赵志国,李顺辉,

426 基于 Venlo 型温室夏季降温新途径试验初报

黄志琼,石云平,唐凤鸾

万正林,李立志,邓俭英,刘朝安,

武 鹏,邓杰玲,闫海霞,梁桂东,

思利华

429 罗汉果基质栽培试验初报

付盛贤,秦 芳,苏利荣

畜牧·兽医·水产·蚕桑

432 北海文昌鱼遗传多样性的 RAPD 分析

杨学明,黎明星,张 立,甘 西,

张 明

437 斑马鱼性腺的荧光组织学观察

王 晶,王 冰,李纪同,杨 磊,

张永忠

441 饲料中添加不同油脂对凡纳滨对虾幼虾生长及肝脏脂肪酸的影响

林向东,谢瑞涛,钟灵香,杨洪龄,

黄 凯,谢 基

446 罗氏沼虾健康育苗技术研究

江林源,黄光华,卢小花,冯鹏霏,

邓 潜

450 背角无齿蚌净化精养池塘水质试验

敬小军,闵宽洪,姜海洲,袁新华

综述·专论

453 广西低碳农业发展现状与对策

刘永贤,梁崎峰,李伏生,刘其葵,

钟俊军,蔡利民,叶小冬

457 广西现代农业科技示范园功能定位与可持续发展对策

刘玉花

460 百色市密集烤房应用现状及发展对策

余金恒,许明忠,邓振东,黄锋林,

黄 日,宋战锋

CONTENTS

Crop genetic & breeding·biotechnology

- 349 Effect of different culture media on micropropagation of *Dendrobium candidum* Wall.ex Lindl HUANG Chang-yan, LI Kui-peng, YANG Mei-chun, ZHOU Shan
- 353 Progress in mitochondrial proteomics technology and its applications in studying plant cytoplasmic male sterility CHEN Peng, ZHOU Rui-yang, JIANG Li-he
- 358 Assessing the phylogenetic relationship amongst Guangxi mulberry (*Morus atropurpurea* Roxb.) germplasm resources using SRAP markers LIN Qiang, ZHU Fang-rong, QIU Chang-yu, CHEN Xiao-qing, ZHAO Wei-guo, LI Yi, ZENG Yan-rong, ZHU Guang-shu, TANG Yan-mei, BIN Rong-pei
- 364 Selection of SSR primers for studying genetic diversity amongst Guangxi wild soybean (*Glycine soja*) germplasm ZENG Wei-ying, CHEN Yuan, LIANG Jiang, TANG Fu-yue, WEI Qing-yuan, WANG Dian-jie
- 368 Estimation of combining ability and heterosis in ten maize inbred lines CHEN Gui-lan, YANG Kang-chun, MENG Yue-qun, LIU Da-hai, YANG Jian, ZHOU Qi
- 372 Breeding and application of indica rice CMS line Yufeng A ZHOU Ling-zhi, WANG Cai-xian, YANG Shi-guan, CHEN Ying, LIN Lin, LI Ye-wei

Tillage & cultivation·physiology & biochemistry

- 375 Effect of ambient temperature on the storage quality of harvested sugarcane Singh P, Solomon S
- 380 Effects of different pH values on growth and physiological characteristics of sugarcane seedlings LIU Guang-ling, CHEN Rong-fa, TIAN Fu-qiao, YANG Li-tao, LI Yang-rui
- 384 The relationship between invertase activity and sucrose accumulation during the development of fruits in melon LUO Hai-ling, HUANG Yu-hui, ZHANG Man, WANG Ri-sheng, HUANG Ru-kui, HE Long-fei
- 388 Effects of different dosages of controlled-N releasing fertilizer on agronomic traits and yield in rice WEI Zheng-bao
- 391 Research survey on cassava intercropping cultivation and the countermeasures for developing cassava industry YAN Wei, LIU Guang-hua, LOU Yu-qiang, LIU Qian, LI Yue-xian, GUO Rong-qi, DUAN Chun-fang
- 395 Prime report on rapid propagation technique for sweet potato seedlings using floating culture system LI Ming-fu

Plant protection

- 399 Evaluation of nineteen rice male sterile lines for resistance to southern rice black-streaked dwarf disease PAN Feng-ying, LIAO Yong-mei, HAI Bo, ZHOU Rui-yang
- 403 Control efficacy of 2.2% emamectin benzoate ME against rice stem borer (*Chilo suppressalis*) HAN Peng-jie, FAN Ren-jun, FENG Yun-tao, DU En-qiang, ZHAO Rong-hua
- 406 Investigations on chilling injuries of common landscape plants in Nanning City HUANG Xu-guang, LUO En-bo, LU Qian, HUANG Xiao-hong, LUO Yu, LEI Wen
- 412 Investigations on the diseases and insect pests of the ancient and famous trees of West Lake scenic area in Huizhou and suggestions for their protection ZHONG Ping-sheng, TANG Yu-juan, ZHANG Song-sheng

Horticulture·storage·fresh-keeping·processing

- 415 Breeding of a new *Luffa acutangula* (L.) Roxb. variety Huangguan 3 LI Yan, LI Wen-jia, WANG Yi-kui, WU Yong-guan, KANG De-xian, LIANG Ren-fan
- 418 Grafting and cultivation experiments on tetraploid watermelon HE Yi, LI Wen-xin, HONG Ri-xin, QIN Si-hua, HUANG Jin-yan, LI Tian-yan, FAN Xue-jun
- 422 Research advances on secondary blooming in south early-maturing pear and its control measures FU Chuan-ming, HUANG Ning-zhen, ZHAO Zhi-guo, LI Shun-hui, HUANG Zhi-qiong, SHI Yun-ping, TANG Feng-luan

426 A new cooling method for Venlo-type greenhouse in summer

WAN Zheng-lin, LI Li-zhi, DENG Jian-ying,
LIU Chao-an, WU Peng, DENG Jie-ling, YAN
Hai-xia, LIANG Gui-dong, SI Li-hua

429 Effect of different cultural media on seedling growth and fruit quality of
Siraitia grosvenorii

FU Sheng-xian, QIN Fang, SU Li-rong

Animal science·veterinary science·aquiculture·sericulture

432 Genetic diversity analysis amongst Beihai amphioxus (*Branchiostoma bel-cheri* Gray) using RAPD markers

YANG Xue-ming, LI Ming-xing, ZHANG Li,
GAN Xi, ZHANG Ming

437 Fluorescent histological observation of zabrafish (*Danio rerio*) gonad

WANG Jing, WANG Bing, LI Ji-tong, YANG
Lei, ZHANG Yong-zhong

441 Effects of different lipids in dietary feed of *Litopenaues vannamei* juvenile prawn on its growth and composition of liver fatty acids

LIN Xiang-dong, XIE Rui-tao, ZHONG Ling-
xiang, YANG Qi-ling, HUANG Kai, XIE Ji

446 Experiment on healthy shrimp (*Macrobrachium rosenbergii*) rearing

JIANG Lin-yuan, HUANG Guang-hua, LU Xiao-
hua, FENG Peng-fei, DENG Qian

450 Experiment on water purification of intensive culturing fishpond using
Anodonta woodiana

JING Xiao-jun, MIN Kuan-hong, JIANG Hai-
zhou, YUAN Xin-hua

Reviews·monographs

453 Current status of low-carbon agriculture in Guangxi and its development
strategies

LIU Yong-xian, LIANG Qi-feng, LI Fu-sheng,
LIU Qi-kui, ZHONG Jun-jun, CAI Li-min, YE
Xiao-dong

457 Functional orientation of Guangxi Demonstration Park for Modern Agricultural Science and Technology and the strategies for its sustainable development

LIU Yu-hua

460 Current status of application of bulk curing barn and countermeasures for
its development in Baise City

YU Jin-heng, XU Ming-zhong, DENG Zhen-
dong, HUANG Feng-lin, HUANG Ri, SONG
Zhan-feng