



ISSN 1009-2196

CN 46-1038/S

热带农业科学

REDAI NONGYE KEXUE

CHINESE JOURNAL OF TROPICAL AGRICULTURE

中国科技论文统计源期刊(中国科技核心期刊)

《中国学术期刊综合评价数据库》统计源期刊

《中国学术期刊影响因子年报》统计源期刊

儋州: 海南热带植物园一角



ISSN 1009-2196



9 771009 219182

第7期

2018

第38卷 Vol. 38 No. 7

万方数据

中国热带农业科学院

编辑委员会

主 任 孙好勤

副主任 陈业渊 黄华孙 刘恩平

委 员 邓干然 李开绵 郭华松

刘国道 李积华 杨 衍

林位夫 易克贤 金志强

罗金辉 黄华孙 黄贵修

谷凤林 周汉林 彭 明

谢江辉(以英文字母为序)

主 编 陈业渊

执行主编 曾莉娟

副 主 编 金志强 谢江辉

策划编辑 凌青根

本期责编 白 净 凌青根

英文编校 周建南 汪汇源

排 版 蔡常捷 刘 宁

封面摄影 陈开魁

编辑室电话 0898-6698 8986

编务室电话 0898-6698 9992

发行室电话 0898-6698 9959

主管单位 中华人民共和国农业
农村部

主办单位 中国热带农业科学院

承办单位 科技信息研究所

编辑出版 《热带农业科学》编辑部

地 址 海南省海口市龙华区学院
路4号

邮政编码 571101

电子信箱 rdnk@163.com

网 站 <http://qk.catas.cn/>

印 刷 海口新明印刷有限公司

广告经营许可证号 460000200103

海外发行代号 BM8913

国内邮发代号 84-31

海外发行 中国国际图书贸易总公司

国内邮发 海南省报刊发行局

定价 15.00元

著作权授权声明 本刊已入编中国知
网、万方数据库、博看期刊网等系列数
据库,其收录论文作者著作权使用费与
本刊稿酬一次给付。凡不同意编入该系
列数据库的稿件,请在来稿时声明。本
刊所载文章版权归本编辑部所有。

目 次

耕作与栽培

橡胶树幼嫩枝叶产胶量相关因子的研究

..... 姚行成,王 军,周 珺,陈先红(1)

4种不同施肥处理对澳洲茶树组培苗生长动态的影响

... 刘海龙,张 烨,覃子海,肖玉菲,姚瑞玲,张晓宁,陈博雯(5)

配方施肥对澳洲茶树萌芽林生长性状的影响研究

... 张 烨,覃子海,陈博雯,韦铨星,肖玉菲,覃玉凤,刘海龙(9)

早熟高糖甘蔗品种‘粤农83-88’的筛选及其推广应用价值

..... 黄忠兴,陈优强,吉学进,黄振豪(15)

6个番茄新品种在怒江干热河谷地区的适应性研究

..... 熊贤坤,易怀锋,姜太玲,姜予强,段春芳
文定良,沈绍斌,宋记明,刘 倩,刘光华(21)

百香果在海南引种栽培现状与展望 易籽林,徐卫清(25)

植物生理生化

影响红毛丹花芽分化的因素 王春燕,谭文丽,王 宁,崔志富(29)

不同初加工方式对裸花紫珠主要化学成分含量影响

... 谭湘杰,于福来,黄 梅,杨 全,唐晓敏,李 伟,庞玉新(33)

大浦、柳叶橘果实贮藏过程中糖和Vc含量的变化

... 齐贝贝,安万祥,张发勇,张子豪,贾思琪,张可为,彭 磊(40)

三种姜属植物花粉活性检测及贮藏条件研究

..... 魏麟懿,林佩兰,王 玮,王英强(43)

镁对两年生艾纳香生物量、抗氧化酶活性及有效成分积累的影响

..... 王 丹,蓝惠萍,张影波,于福来
陈晓鹭,黄 梅,王 凯,庞玉新(50)

环境与植物保护

生防芽孢杆菌VD18R19在香草兰上定殖动态及其对香草兰根(茎)

腐病的田间生防效果 高圣风,刘爱勤,桑利伟
苟亚峰,孙世伟,王 政,孟倩倩(57)

基于不同麸皮用量的秀珍菇营养评价与数量性状的灰色关联度分析

..... 蔡志英(62)

海南省琼中县林业有害生物种类、分布及危害情况调查

..... 刘 丽,张 亮,阎 伟,唐庆华,朱 辉,覃伟权(67)

腺叶桂樱精油的抗氧化及抑菌活性研究

..... 李敦禧,钱 军,黄丹魁,郭 霞,田 蜜,曾冬琴(72)

农业工程

GC-MS测定马槟榔果皮、种子及叶片中的挥发性化学成分

..... 李 春,张建春,赵东兴,李 芹,王树明(81)

正交设计优选白芍的樟帮法炮制白芍工艺研究

..... 罗 晶,雷志强,王雅琪(85)

三种不同品系天然橡胶胶乳的性能研究 黎燕飞,潘俊任,蒋一帆(90)

农业经济与信息

海南五指山蜂蜜市场专项调研

..... 陈思明,邢孔彬,杨昌西,林舒平,邢东海,陈益新(95)

基于因子分析的热区六省农业产业竞争力评价 姚利好,郭颖梅(100)

基于生态视角的海南省品牌农业与产业扶贫协同发展对策研究

..... 梁伟红,叶 露,李玉萍(104)

海南省农产品品牌建设现状与思考——以儋州市为例

..... 贾 磊,川手督也,张 璇,张莉侠,麦雄俊(111)

[期刊基本参数]

CN 46-1038/S *1980*m*A4*115*zh*P*¥15.0*1000*22*2018-07

CONTENTS

Cultivation

- Factors Related to Rubber Yield of Young Branches and Leaves of Rubber Trees (*Hevea brasiliensis*) YAO Xingcheng, WANG Jun, ZHOU Jun, CHEN Xianhong (1)
- Effect of Four Fertilizer Treatments on the Growth Dynamics of Tissue Cultured Plants of *Melaleuca alternifolia* LIU Hailong, ZHANG Ye, QIN Zihai, XIAO Yufei, YAO Ruiling, ZHANG Xiaoling, CHEN Bowen (5)
- Effects of Different Fertilizer Treatments on the Growth Traits of *Melaleuca alternifolia* Sprout Forest ZHANG Ye, QIN Zihai, CHEN Bowen, WEI Shuoxing, XIAO Yufei, QIN Yufeng, LIU Hailong (9)
- Selection and Extension of ‘Yuenong 83-88’, an Early Sugarcane Variety with High Sugar Content HUANG Zhongxing, CHEN Youqiang, JI Xuejin, HUANG Zhenhao (15)
- Adaptability Test of 6 New Tomato Varieties in the Salween River Dry-hot Valley XIONG Xiankun, YI Huaifeng, JIANG Tailing, LOU Yuqiang, DUAN Chunfang, WEN Dingliang, SHEN Shaobin, SONG Jiming, LIU Qian, LIU Guanghua (21)
- Present Situation and Prospect of Introduction and Cultivation of Passion Fruit in Hainan YI Zhilin, XU Weiqing (25)

Plant Physiology and Biochemistry

- Factors Affecting Floral Bud Differentiation of Rambutan WANG Chunyan, TAN Wenli, WANG Ning, CUI Zhifu (29)
- Effects of Different Primary Processing Methods on the Contents of the Main Chemical Composition of *Callicarpa nudiflora* Hook. et Arn. TAN Xiangjie, YU Fulai, HUANG Mei, YANG Quan, TANG Xiaomin, LI Wei, PANG Yuxin (33)
- Changes of the Contents of Sugar and Vitamin C During the Storage of Orange Cultivars Dapu and Liuyue QI Beibei, AN Wanxiang, ZHANG Fayong, ZHANG Zihao, JIA Siqi, ZHANG Kewei, PENG Lei (40)
- Pollen Viability Detection and Storage Conditions of Three Species of *Zingiber* (Zingiberaceae) WEI Linyi, LIN Peilan, WANG Wei, WANG Yingqiang (43)
- The Effect of Magnesium on Biomass, Antioxidant Enzyme Activities, and Active Component Accumulation of Two Years Old *Blumea balsamifera* WANG Dan, LAN Huiping, ZHANG Yingbo, YU Fulai, CHEN Xiaolu, HUANG Mei, WANG Kai, PANG Yuxin (50)

Environment and Plant protection

- Colonization Dynamics and Biocontrol Effect of *Bacillus Subtilis* VD18R19 Against Fusarium Wilt Disease of Vanilla GAO Shengfeng, LIU Aiqin, SANG Liwei, GOU Yafeng, SUN Shiwei, WANG Zheng, MENG Qianqian (57)
- Grey Relational Analysis of Nutritional Evaluation and Quantitative Characters of *Pleurotus geesteranus* Based on Different Bran Dosages CAI Zhiying (62)
- Survey of the Species, Distribution and Damage Situation of Forest Pests in the Qiongzong County of Hainan LIU Li, ZHANG Liang, YAN Wei, TANG Qinghua, LI Chaoxu, QIN Wei-quan (67)
- Analysis of the Antioxidant and Antifungal Activities of the Essential oil of *Laurocerasus phaeosticta* LI Dunxi, QIAN Jun, HUANG Danmin, GUO Xia, TIAN Mi, ZENG Dongqin (72)

Agricultural engineering

- Determination of Volatile Chemical Constituents in the Peels, Seeds and Leaves of *Capparis masakai* Levl. by Gas Chromatography-Mass Spectrometry LI Chun, ZHANG Jianchun, ZHAO Dongxing, LI Qin, WANG Shuming (81)
- Optimum Selection of Zhanbang-based Processing Technologies for Radix Paeoniae Alba by Using Orthogonal Design LUO Jing, LEI Zhiqiang, WANG Yaqi (85)
- Performance of Natural Rubber Latex from Three Different Clones of Rubber Trees LI Yanfei, PAN Junren, JIANG Yifan (90)

Agricultural economics and information

- A Special Market Survey of Honey in Wuzhishan, Hainan CHEN Siming, XING Kongbin, YANG Changxi, LIN Shuping, XING Donghai, CHEN Yixin (95)
- Evaluation of Agricultural Industry Competitiveness of Six Provinces in the Tropical Areas of China Based on Factor Analysis YAO Lihao, GUO Yingmei (100)
- Development of Brand Agriculture in Combination with Poverty Alleviation Based on the Perspective of Ecology in Hainan Province LIANG Weihong, YE Lu, LI Yuping (104)
- Current Status and Consideration of Brand Building of Agricultural Products in Hainan Province—A Case of Danzhou City JIA Lei, KAWATE Tokuya, ZHANG Xuan, ZHANG Lixia, MAI Xiongjun (111)

Directed by the Ministry of Agriculture of the People's Republic of China; **Editor-in-chief:** CHEN Yeyuan

Sponsored by CATAS; **Editor:** LIN Haimei, LING Qinggen; **Composition:** CAI Changjie

Edited by Editorial Board of Chinese Journal of Tropical Agriculture; **E-mail:** rdnk@163.com

Advertising Business Permit: 460000200103; **Telephone:** +86+898-6698 9959

Printed by Haikou xinming Printing Co., LTD.

Overseas Distributed by China International Book Trading Corporation; **Overseas Distribution Code:** BM8913

Distributed by Hainan Newspaper and Periodical Distribution Bureau; **Price** 15¥

Address: No. 4, Xueyuan Road, Haikou, Hainan 571101, P. R. China
