

目 次

· 研究报告 ·

- 抗虫转基因甘蔗对土壤酶活性的影响
..... 冯翠莲, 万 玥, 赵婷婷, 王俊刚, 冯小艳, 张树珍(1)
- 赤霉素处理对芥蓝主侧蔓产量和品质的影响
..... 童 璐, 成善汉, 居利香, 徐 艺, 雷 欣, 倪 苗,
汪志伟, 朱国鹏, 陈艳丽(7)
- 海雀稗种质资源的耐盐性评价
..... 申 晴, 韦海燕, 卞 华, 王志勇, 丁西朋(11)
- 海南顶部半开口式大型薄膜温室环境参数研究
..... 王开济, 严格齐, 刘晓光, 庞真真(20)
- 滴灌条件下氮肥用量对火龙果果实的影响
..... 程 玉, 徐 敏, 熊 睿, 林家年, 阮云泽,
任太军, 赵鹏飞, 汤 华(25)
- 产地和果形对槟榔主要活性成分及抗氧化活性的影响
..... 陈明洋, 卓小垒, 代佳妮, 于 靖, 戚华沙, 吴友根(31)
- 中国渚碧岛和永暑岛维管植物调查
..... 黄圣卓, 段瑞军, 蔡彩虹, 梅文莉, 戴好富(42)
- 海南森林资源及其生态功能监测与评估
..... 于界芬(51)
- ATAF2 正调控拟南芥对橡胶树白粉菌的抗病性
..... 叶鸿鹰, 梅双双, 戎 伟(58)
- 海口市古树名木资源特征及其空间分布
..... 戴边疆, 郭运勇, 宋希强, 刘治昆, 雷金睿, 梁怀月(63)
- 冷藏期间鲜切菠萝蜜水分迁移对其品质的影响
..... 梅成铭, 王桢昌, 陈海明, 陈文学, 云永欢, 陈卫军, 钟秋平(72)
- 海口市 10 种行道树最优生长模型研究
..... 康梓杭, 倪 苗, 邓 晶, 吴庆书(79)
- 行为偏好下的海南文笔峰景区景观情境感知分析
..... 樊 羽, 邓 晶, 刘维维, 吴庆书(84)
- 红树林表层沉积物老化过程中铅的赋存形态
..... 李思萍, 陈 新, 刘文娟, 唐 敏, 王丽婷, 陈亚楠(92)
- ### · 技术方法 ·
- 适于荧光原位杂交的大薯叶片染色体制片技术
..... 杨亚飞, 刘沈徽, 黄东益, 吴文婧(100)
- 响应曲面法优化桂枝中桂皮醛的超声提取工艺
..... 田泽群, 王 辉, 王 佩, 梅文莉, 丁立新(105)
- TRIM21 基因 SYBR Green I 实时荧光定量 PCR 检测方法的建立
..... 赵克学, 许淑娟, 马瑞仙, 耿金静, 刘 杨, 李琼毅, 冯若飞(111)
- ### · 文献综述 ·
- 多糖的凝胶化机理及其在油脂固化方面的应用
..... 陈 涵, 吴春华, 庞 杰(118)

JOURNAL OF TROPICAL BIOLOGY

(Quarterly)

Vol. 11 No.1 Mar. 2020

Contents

• Article •

- Effect of Insect-resistant Transgenic Sugarcane on Soil Enzyme Activities in the Rhizosphere
..... FENG Cuilian, WAN Yue, ZHAO Tingting, WANG Jungang, FENG Xiaoyan, ZHANG Shuzhen (1)
- Effects of Gibberellin Treatment on Yield and Intrinsic Quality of the Main and Lateral Stems of Chinese Kale
..... TONG Lu, CHENG Shanhan, JU Lixiang, XU Yi, LEI Xin, NI Miao,
WANG Zhiwei, ZHU Guopeng, CHEN Yanli (7)
- Evaluation of Salt Tolerance of *Paspalum vaginatum* Germplasm Resources
..... SHEN Qing, WEI Haiyan, BIAN Hua, WANG Zhiyong, DING Xipeng (11)
- Environment Parameters of a Large Film Greenhouse with a Semi-open Top in Hainan
..... WANG Kaiji, YAN Geqi, LIU Xiaoguang, PANG Zhenzhen (20)
- Effects of Different Nitrogen Treatments on Pitaya Fruit Growth and Quality under Drip Irrigation
..... CHENG Yu, XU Min, XIONG Rui, LIN Jianian, RUAN Yunze,
REN Taijun, ZHAO Pengfei, TANG Hua (25)
- A Comparison of Main Active Components and Antioxidant Activity of *Areca catechu* L Fruits with
Different Shapes from Different Habitats in Hainan
..... CHEN Mingyang, ZHUO Xiaolei, DAI Jiani, YU Jing, QI Huasha, WU Yougen (31)
- A Survey of Vascular Plants in Zhubi and Yongshu Islands, China
..... HUANG Shengzhuo, DUAN Ruijun, CAI Caihong, MEI Wenli, DAI Haofu (42)
- Monitoring and Assessment of Forests and Their Ecological Functions in Hainan
..... YU Jiefen (51)
- ATAF2* positively contributes to the disease resistance against *Oidium heveae* in *Arabidopsis*
..... YE Hongying, MEI Shuangshuang, RONG Wei (58)
- Resource Characteristics and Spatial Distribution Pattern of Ancient and Rare Trees in Haikou, Hainan Island
..... DAI Bianjiang, GUO Yunyong, SONG Xiqiang, LIU Zhikun, LEI Jinrui, LIANG Huaiyue (63)
- Effect of Moisture Migration on Quality of Fresh Jackfruit Bulbs during Cold Storage
..... MEI Chengming, WANG Zhenchang, CHEN Haiming, CHEN Wenxue,
YUN Yonghuan, CHEN Weijun, ZHONG Qiuping (72)
- Establishment of Optimal Growth Models for 10 Species of Street Trees in Haikou, Hainan
..... KANG Zihang, NI Miao, DENG Jing, WU Qingshu (79)
- Landscape Situational Perception of a Tourist Attraction Wenbifeng in Hainan under Behavioral Preference
..... FAN Yu, DENG Jing, LIU Weiwei, WU Qingshu (84)
- Speciation of Lead in Mangrove Surface Sediments during Aging Process
..... LI Siping, CHEN Xin, LIU Wenjuan, TANG Min, WANG Liting, CHEN Yanan (92)
- ### • Methodology •
- Chromosome Preparation of Leaf Cells of *Dioscorea alata* L. for FISH
..... YANG Yafei, LIU Shenhui, HUANG Dongyi, WU Wenqiang (100)
- Optimization of Ultrasonic Extraction of Cinnamaldehyde from Dried Cassia Cinnamon Twigs by
Using the Response Surface Methodology
..... TIAN Zequn, WANG Hui, WANG Pei, MEI Wenli, DING Lixin (105)
- Establishment of SYBR Green I Real-time PCR for Quantitative Detection of *TRIM21* Gene
..... ZHAO Kexue, XU Shujuan, MA Ruixian, GENG Jinjing, LIU Yang, LI Qiongyi, FENG Ruofei (111)
- ### • Review •
- Mechanism of Polysaccharide Gels and Their Application in Oils
..... CHEN Han, WU Chunhua, PANG Jie (118)