

ISSN 1008-0457  
CN 52-5013/S

# 山地农业生物学报

JOURNAL OF MOUNTAIN AGRICULTURE AND BIOLOGY

中国农林核心期刊

中国科技核心期刊



第 1 期  
2023

# 山地农业生物学报 目次

## ◇ 研究报告

蚯蚓对植烟黄壤长期种植施肥模式和土壤肥力变化的响应

陈浩,肖庆亮,李治模,袁玲,刘京/001

象虫金小蜂繁殖技术及其对烟草甲的防治研究

喻芳,杨佳鹏,张越,郭军,杨洪,张晓敏,胡大鸣,王燕/008

重庆市丰都县植烟土壤养分丰缺现状及施肥区划

冉茂,吴佳蓉,周嵘,周鑫斌,代先强/015

6-BA 和  $\text{CaCl}_2$  配合对月季‘卡罗拉’切花保鲜的影响

黄小艳,方中明,黄玮婷/025

## ◇ 综述

lncRNA 在昆虫学中的研究进展

李涛,龙欢绮,郭建军/032

外来植物入侵对喀斯特乡土物种多样性影响研究进展

王世雄,张广奇,何跃军/040

## ◇ 山区开发

广西烟草棒孢霉叶斑病菌鉴定及毒素蛋白亚型检测

雷雪梅,桑维钧,李昊熙,卢燕回,王五权,孔菲,安宣鲜,杨茂发/046

苗药有柄石韦降血糖作用及其分子机制研究

常姣,隋怡,孙文娟,何韩娇,胡书苑,童平珍,易旭,杨武德,龙毅/054

贵州都匀仙女虾的分子鉴定

姚俊杰,何浩宇,陈江,纪达,张书海/064

---

## ◇ 研究简报

烤烟品种韭菜坪 2 号叶片数的遗传分析

梁婷,阙远慧,姜超英,贾睿吏,段丽丽,黄莺,刘洋,刘仁祥/070

饲养条件对人工饲料饲养七星瓢虫的影响

余毅,程英,周宇航,李凤良/075

薏苡秸秆生物炭的制备及其对土壤重金属有效性的影响

龚俊杰,刘鸿雁,潘婷,刘芳,段丽雯,柳才云/081

25% 吡唑醚菌酯悬浮剂在 7 种蔬菜中的消解动态

张昕淳,李荣玉,湛兴瑜,孙明明,姚小龙,李明,廖逊/087

---

# Contents

---

Response of Soil Earthworms to Long-term Cropping and Fertilization Patterns in a Tobacco-grown Yellow Soil  
..... Chen Hao, Xiao Qingliang, Li Zhimo, Yuan Ling, Liu Jing/001

The Rearing Technology of *Anisopteromalus calandrae* (Howard) and Its Control Effect on *Lasioderma serricorne* (Fabricius)  
..... Yu Fang, Yang Jiapeng, Zhang Yue, Guo Jun, Yang Hong, Zhang Xiaomin, Hu Daming, Wang Yan/008

Current Situation of Nutrient Abundance and Deficiency in Tobacco Planting Soil and Fertilization Division in Fengdu County, Chongqing City  
..... Ran Mao, Wu Jiarong, Zhou Rong, Zhou Xinbin, Dai Xianqiang/015

Preservative Effects of 6-BA Integrating with CaCl<sub>2</sub> on *Rosa hybrida* cv. Corolla Cut Flowers  
..... Huang Xiaoyan, Fang Zhongming, Huang Weiting/025

Research Progress of lncRNA in Entomology  
..... Li Tao, Long Huanqi, Guo Jianjun/032

Research Progress on the Impact of Alien Plant Invasion on Karst Native Species Diversity  
..... Wang Shixiong, Zhang Guangqi, He Yuejun/040

Identification of Tobacco *Corynespora* Leaf Spot Pathogen and Detection of Toxin Protein Subtypes in Guangxi  
..... Lei Xuemei, Sang Weijun, Li Haoxi, Lu Yanhui, Wang Wuquan, Kong Fei, An Xuanxian, Yang Maofa/046

Study on the Hypoglycemic Effect and Its Molecular Mechanism of Miao Medicine *Pyrrrosia petiolosa* (Christ) Ching  
..... Chang Jiao, Sui Yi, Sun Wenjuan, He Hanjiao, Hu Shuyuan, Tong Pingzhen, Yi Xu, Yang Wude, Long Yi/054

Molecular Identification of Fairy Shrimp in Duyun, Guizhou  
..... Yao Junjie, He Haoyu, Chen Jiang, Ji Da, Zhang Shuhai/064

Genetic Analysis of Leaf Number of Flue-cured Tobacco Variety Jiucaiping No. 2  
..... Liang Ting, Que Yuanhui, Jiang Chaoying, Jia Rongli, Duan Lili, Huang Ying, Liu Yang, Liu Renxiang/070

Effects of Feeding Conditions on Rearing of *Coccinella septempunctata* with Artificial Diet  
..... Yu Yi, Cheng Ying, Zhou Yuhang, Li Fengliang/075

Preparation of Coix Straw Biochar and Its Impact on Heavy Metal Availability in Soil  
..... Gong Junjie, Liu Hongyan, Pan Ting, Liu Fang, Duan Liwen, Liu Caiyun/081

Degradation Dynamics of 25% Pyraclostrobin Suspension Concentrate in Seven Vegetables  
..... Zhang Xinchun, Li Rongyu, Zhan Xingyu, Sun Mingming, Yao Xiaolong, Li Ming, Liao Xun/087

---

**Periodical Editor:** Duan Lili Hu Jifeng Yan Xiufang **English Editor:** Wu Chengxu Liu Jianfeng

# 山地农业生物学报

1982年创刊 | 2023年第1期 | 双月刊

JOURNAL OF MOUNTAIN AGRICULTURE AND BIOLOGY

Started in 1982, No.1 2023, Bimonthly



主办单位 | 贵州大学

主 编 | 陈祥盛

副 主 编 | 江 龙

编辑出版 | 贵州大学学报编辑部

地 址 | 贵阳市花溪 (邮政编码 550025)

电 话 | 0851-88292961

网 址 | <http://je.gzu.edu.cn/gzdxsdb/gzdxsdb/home>

电子邮箱 | [jmab@gzu.edu.cn](mailto:jmab@gzu.edu.cn)/[sd.xb@163.com](mailto:sd.xb@163.com)

国内发行 | 中国邮政集团公司贵州省分公司 邮发代号 | 66-66

国外发行 | 中国国际图书贸易集团有限公司 邮发代号 | C4811

印刷单位 | 贵阳精彩数字印刷有限公司

Sponsor: Guizhou University

Chief Editor: CHEN Xiang-sheng

Deputy Chief Editor: JIANG Long

Edited & Published by: Editorial Department of Journal of Guizhou University

Address: Huaxi, Guiyang, Postcode 550025

Telephone: 0851-88292961

Website: <http://je.gzu.edu.cn/gzdxsdb/gzdxsdb/home>

E-mail: [jmab@gzu.edu.cn](mailto:jmab@gzu.edu.cn)/[sd.xb@163.com](mailto:sd.xb@163.com)

Domestic Subscription: China Post Group Corporation Guizhou Branch, 66-66

Foreign Subscription: China International Book Trade Group Co., Ltd., C4811

Printing Unit: Guiyang Colorful Digital Printing Co., Ltd.

国内外公开发行人 刊号:  $\frac{\text{ISSN } 1008-0457}{\text{CN } 52-5013/S}$



国内定价: 25.00 元