

生物安全学报

JOURNAL OF BIOSAFETY



ISSN 2095-1787



9 772095 178209



主 办
Sponsored by

中国植物保护学会
China Society of Plant Protection
福建省昆虫学会
Entomological Society of Fujian

JBS
www.jbscn.org
中国 · 福州
Fuzhou, China

生物安全学报

Shengwu Anquan Xuebao

第29卷 第3期 2020年8月

目 次

◎ 综述论文

- 157 我国外来入侵生物防控现状、问题和对策 陈宝雄, 孙玉芳, 韩智华, 黄宏坤, 张宏斌, 李垚奎, 张国良, 刘万学
164 中国重要检疫性实蝇的全球分布和入侵情况 王在凌, 徐婧, 张润志
170 葡萄花翅小卷蛾抗药性研究进展 苏莎, 彭雄, 简成志, 陈茂华
176 水盾草入侵机制及防治对策 丁瑜欣, 吴娟, 成水平

◎ 研究论文

- 181 水稻生育期对稻水象甲成虫种群空间格局影响及抽样技术 杨春林, 李洪浩, 牟成君, 王锐, 席亚东
191 瓜实蝇 2 种蛹寄生蜂生防潜能比较 李磊, 韩冬银, 张方平, 陈俊谕, 王建贊, 符悦冠
195 Bt 蛋白 Vip3Aa19、Cry1Ab 和 Cry1Ah 对玉米蚜的效应评价 孙丹丹, 陈瑜, 王月琴, 王振营, 何康来
202 桉小卷蛾触角感器的超微结构 吴梅香, 张太学, 陈开端, 陈琦
209 广东和广西地区柑橘木虱内生细菌的分离鉴定及多样性分析
宋晓兵, 彭埃天, 凌金锋, 崔一平, 程保平, 陈霞
217 HPLC-MS/MS 法对琯溪蜜柚中吡唑醚菌酯残留的测定及套袋对残留量的影响 蔡恩兴
222 洞庭湖区外来入侵植物调查分析及防治对策 杜云安, 步洪凤, 唐小美, 张志雄, 向国红
229 福州市公园外来入侵植物初步调查与分析 史梦竹, 李建宇, 郭燕青, 胡大鹏, 郑丽桢, 傅建炜

封面照片：桉小卷蛾的卵、幼虫、蛹和成虫。提供人：吴梅香（福建农林大学）。

Front cover photo: Egg, larva, pupa and adult of *Strepsicrates coriariae* Oku. Provided by WU Meixiang (Fujian Agriculture and Forestry University).

JOURNAL OF BIOSAFETY

CONTENTS

REVIEW ARTICLES

- 157 Challenges in preventing and controlling invasive alien species in China
CHEN Baoxiong, SUN Yufang, HAN Zhihua, HUANG Hongkun, ZHANG Hongbin, LI Yaokui, ZHANG Guoliang, LIU Wanxue
- 164 Global distribution and invasion of important quarantine fruit flies of China
..... WANG Zailing, XU Jing, ZHANG Runzhi
- 170 Insecticide resistance review of a quarantine pest, European grapevine moth *Lobesia botrana*
..... SU Sha, PENG Xiong, JIAN Chengzhi, CHEN Maohua
- 176 Invasion mechanism and control measures of the aquatic weed *Cabomba caroliniana* Gray
..... DING Yuxin, WU Juan, CHENG Shuiping

RESEARCH PAPERS

- 181 Effect of rice growth period on population spatial pattern of rice water weevil and sampling technique ...
..... YANG Chunlin, LI Honghao, MU Chengjun, WANG Rui, XI Yadong
- 191 Biocontrol potential of two pupal parasitoids to *Zeugodacus cucurbitae*
..... LI Lei, HAN Dongyin, ZHANG Fangping, CHEN Junyu, WANG Jianyun, FU Yueguan
- 195 Effects of *Bacillus thuringiensis* Vip3Aa19, Cry1Ab and Cry1Ah proteins on corn leaf aphid
..... SUN Dandan, CHEN Yu, WANG Yueqin, WANG Zhenying, HE Kanglai
- 202 Ultrastructure of the antennal sensillae of *Strepsicrates coriariae* (Lepidoptera: Tortricidae)
..... WU Meixiang, ZHANG Taixue, CHEN Kaiduan, CHEN Qi
- 209 Identification and diversity analysis of endophytic bacteria from citrus psyllids in Guangdong and Guangxi
..... SONG Xiaobing, PENG Aitian, LING Jinfeng, CUI Yiping, CHENG Baoping, CHEN Xia
- 217 Determination of pyraclostrobin residue in *Citrus grandis* by HPLC-MS/MS and bagging effect on the residues Cai Enxing
- 222 An investigation of alien invasive plants around Dongting Lake area and their control countermeasures ...
..... DU Yun'an, BU Hongfeng, TANG Xiaomei, ZHANG Zhixiong, XIANG Guohong
- 229 Preliminary investigation and analysis of alien invasive plants in parks in Fuzhou City
..... SHI Mengzhu, LI Jianyu, GUO Yanqing, HU Dapeng, ZHENG Lizhen, FU Jianwei