

中国媒介生物学及控制杂志

CHINESE JOURNAL OF VECTOR BIOLOGY AND CONTROL

双月刊 1990年创刊 第22卷 第4期 2011年8月20日出版

主 管

中华人民共和国卫生部
100044, 北京西城区西直门外南路1号

主 办

中国疾病预防控制中心
102206, 北京市昌平区昌百路155号

编 辑

中国媒介生物学及控制杂志编辑
委员会
102206, 北京昌平流字五号
电话(传真): (010)58900731
Http://www.bmsw.net.cn
E-mail: bingmei@icdc.cn

出 版

中国疾病预防控制中心
传染病预防控制所
102206, 北京昌平流字五号
电话(传真): (010)58900731

名誉主编

汪诚信

主 编

刘起勇

编辑部主任

陈秀丽

印 刷

北京科信印刷有限公司
102208, 北京市昌平区七北路马连店甲6号

发行范围

国内外公开发行
国内: 河北省廊坊市邮电局
国外: 中国出版对外贸易总公司
(北京782信箱, 100011)
代号 DK13009

订 购

全国各地邮局 邮发代号 18-265

邮 购

中国媒介生物学及控制杂志编辑部
102206, 北京昌平流字五号
电话(传真): (010)58900731

定 价

每期 10.00 元, 全年 60.00 元
(含邮费)

中国标准连续出版物号

ISSN 1003-4692
CN 13-1142/R

广告经营许可证

京宣工商广字第0031号(6-6)

2011年版版权归中国疾病预防控制中心
所有

未经许可, 不得任意转载
本刊所有文章为作者观点, 不代表编
委会意见

本刊如有印装质量问题, 请向本刊编
辑部调换

目 次

专家论坛

中国鼠疫自然疫源地研究进展

..... 海荣(301)

论 著

云南省东北等地区蚊虫及蚊媒病毒调查研究

..... 杨杜鹃, 付士红, 张海林, 等(304)

氯氰菊酯和残杀威亚致死剂量对致倦库蚊羧酸酯酶活性的影响

..... 柳小青, 刘仰青, 熊志伟, 等(309)

产卵蚊虫监测装置现场应用效果观察

..... 霍新北, 陈德国, 鲁亮, 等(313)

黑箱法与二氧化碳诱捕法蚊虫监测结果比较

..... 冷培恩, 刘洪霞, 唐毅, 等(316)

一对可以用于喜马拉雅旱獭性别鉴定的引物筛选

..... 马怀雷, 鲁亮, 刘起勇(319)

四川省峨眉山地区有瓣蝇类物种多样性初探

..... 任宏伟, 王明福(322)

不同诱饵对蝇类引诱效果探讨

..... 刘阳, 贾凤龙, 梁焯南, 等(325)

河南省两市区蚊蝇对常用杀虫剂敏感性测定

..... 刘吉起, 张玉勤, 唐振强, 等(329)

酯酶显色法快速检测尖音库蚊对有机磷的抗性

..... 常海静, 刘洋洋, 江红, 等(332)

洗涤对防虫蚊帐中联苯菊酯残效的影响

..... 吴华, 黄鸿, 刘桂清, 等(336)

杀虫剂与增效剂复配杀灭山东省滨湖地区淡色库蚊效果观察

..... 程鹏, 杨秋兰, 王怀位, 等(338)

苦楝叶杀螺效果及机制初步研究

..... 李晨光, 陈钧, 韩邦兴, 等(341)

实验室条件下小亚璃眼蜚生活史观察

..... 孙明, 曾巧英, 殷宏, 等(344)

舰艇病媒生物风险评估与对策探讨

..... 郝蕊玲, 闫俊平, 孙锦程, 等(348)

采自家蝇成虫的尖突巴科霉形态观察	贾春生(352)
应用 LAMP 技术对 4 种疟原虫进行属种鉴定的初步研究	易海华,祝长青,孙慧宇,等(355)
季节趋势模型在我国肾综合征出血热发病动态研究中的应用	郭海强,丁海龙,曲波,等(359)

生物学与生态学

北京地区小头皮蝇属昆虫分类研究(双翅目:皮蝇科)	刘豫宁,万心怡,恩特马克,等(361)
黑龙江省库蠓属一新种(双翅目:蠓科)	李明,张波,刘国平(363)
江西省阿蠓属一新种(双翅目:蠓科)	刘仰青,柳小青,虞以新(364)

技术方法

白纹伊蚊的饲养技巧及其卵巢的解剖方法	王佳璐,谭梁飞(366)
--------------------------	--------------

调查研究

温度和湿度对硫酰氟熏蒸灭鼠效果的影响	李金有,王林,陈春田,等(368)
云南省农田鼠害分布发生规律初报	窦秦川,沐卫东,张林,等(370)
气象因素对农田鼠类数量影响的典型相关分析	刘自远(372)
河北省鼠疫疫源地小型夜行鼠调查	闫东,史献明,崔耀仁,等(375)
安徽省夏秋季蚊类初步调查	侯银续,张家林,张跃玉,等(377)
衢州市蚊蝇密度监测及防治效果分析	余樟有,王小林,胡晓龙(380)
鄂尔多斯市家蝇抗药性调查分析	王玲芳,海玉和,白长义,等(382)
“5·12”地震前后陇南市虫媒传染病流行病学分析	陈根,刘海军,刘婷,等(385)
lipL32-PCR 应用于钩端螺旋体检测	姜理平,陆群英,罗芸,等(388)
盐源县肾综合征出血热宿主动物 10 年监测分析	张甫国,陈先美,张正纯,等(391)
上海口岸动物宿主携带汉坦病毒及其体表寄生虫监测	丁鲁民(395)
2009 年阿拉山口口岸蜚蠊种群调查	尹小平,叶志辉,彭定希,等(399)

综 述

气候变化对蚊媒病毒性疾病流行病学影响研究现状	王晓中,于畅,臧宇婷,等(400)
蚊虫杀虫剂抗性检测方法概述	侯娟,龚震宇(404)
湖北钉螺的酶学研究方法及应用	谭苹(407)

经验交流

海地地震国际人道主义医疗防疫救援中有害生物控制策略的探讨	杨振洲,宋宏斌,孙岩松,等(411)
阜阳机场鸟击防范生态措施探讨	李永民,聂传朋,丁伟伟,等(413)

读者·作者·编者

欢迎订阅 2011 年《中国媒介生物学及控制杂志》	本刊编辑部(318)
本刊参考文献著录的有关规则	本刊编辑部(406)

《中国媒介生物学及控制杂志》稿约见 2011 年第 22 卷第 1 期第 100 页

责任编辑 汪诚信 英文审校 刘起勇 责任编辑 陈秀丽 责任校对 毕萍

CHINESE JOURNAL OF VECTOR BIOLOGY AND CONTROL

Bimonthly Established, 1990

Volume 22

Number 4

August 20, 2011

Responsible Institution

Ministry of Health, People's Republic of China

Sponsor

Chinese Center for Disease Control and Prevention

Editing

Editorial Board of Chinese Journal of Vector Biology and Control
P.O.Box 5 Changping, Beijing 102206
Tel(Fax): (010)58900731
Http://www.bmsw.net.cn
Email: bingmei@icdc.cn

Publishing

National Institute for Communicable Disease Control and Prevention, Chinese Center for Disease Control and Prevention
P.O.Box 5 Changping, Beijing, 102206
Tel(Fax): (010)58900731

Honorable Editor-in-Chief

WANG Cheng-xin

Editor-in-Chief

LIU Qi-yong

Managing Director

CHEN Xiu-li

Printing

Beijing Kexin Printing Co., LTD

Overseas Distributor

China National Publishing Industry Trading Corporation
P.O.Box 782, Beijing 100011, China
Code No. DK 13009

Mail-Order

Editorial Office of Chinese Journal of Vector Biology and Control
P.O.Box 5 Changping, Beijing, 102206
Tel(Fax): (010)58900731

CSSN

ISSN 1003-4692

CN 13-1142/R

Copyright © 2011 by the Chinese Center for Disease Control and Prevention

Copyright shall not be reproduced without permission.
Publication of all articles for the views, opinions do not represent the editorial board.

CONTENTS IN BRIEF

Expert Forum

The research advancement of plague natural foci in China

..... HAI Rong (301)

Original Reports

Investigation of mosquitoes and mosquito-borne viruses in northeast Yunnan province

..... YANG Du-juan, FU Shi-hong, ZHANG Hai-lin, *et al* (304)

Effects of cypermethrin and propoxur at sublethal doses on the carboxylesterase activity in *Culex pipiens quinquefasciatus*

..... LIU Xiao-qing, LIU Yang-qing, XIONG Zhi-wei, *et al* (309)

Field application of monitoring devices for spawning mosquitoes

..... HUO Xin-bei, CHEN De-guo, LU Liang, *et al* (313)

Comparison of mosquito surveillance efficiency between the black box method and carbon dioxide method

..... LENG Pei-en, LIU Hong-xia, TANG Yi, *et al* (316)

Screening of primers for sex identification of *Marmota himalayana*

..... MA Huai-lei, LU Liang, LIU Qi-yong (319)

Species diversity of Calypttratae in Emeishan area of Sichuan province

..... REN Hong-wei, WANG Ming-fu (322)

Efficacy of different fly baits

..... LIU Yang, JIA Feng-long, LIANG Zhuo-nan, *et al* (325)

Measurement of the susceptibility of *Culex pipiens pallens* and

Musca domestica to common insecticides in urban Henan province

..... LIU Ji-qi, ZHANG Yu-qin, TANG Zhen-qiang, *et al* (329)

Rapid detection of organophosphate resistance in *Culex pipiens* complex

by acetylcholinesterase staining

..... CHANG Hai-jing, LIU Yang-yang, JIANG Hong, *et al* (332)

Residual efficacy of bifenthrin treated mosquito nets for *Aedes albopictus* after washing

..... WU Hua, HUANG Hong, LIU Gui-qing, *et al* (336)

Killing effects of insecticides combined with synergists for *Culex pipiens pallens* in Shandong lakefronts

..... CHENG Peng, YANG Qiu-lan, WANG Huai-wei, *et al* (338)

Molluscicidal effect and mechanism of *Melia azedarach* L. leaves against

Oncomelania hupensis

..... LI Chen-guang, CHEN Jun, HAN Bang-xing, *et al* (341)

Life cycle of *Hyalomma anatolicum anatolicum* under laboratory conditions

..... SUN Ming, ZENG Qiao-ying, YIN Hong, *et al* (344)

Risk analysis and management for vectors on naval vessels

..... HAO Hui-ling, YAN Jun-ping, SUN Jin-cheng, *et al* (348)

Morphological description of *Batkoa apiculata* collected from adult houseflies

..... JIA Chun-sheng (352)

Detection of four *Plasmodium* species by genus-specific loop-mediated isothermal amplification

..... YI Hai-hua, ZHU Chang-qing, SUN Hui-yu, *et al* (355)

Application of seasonal trend models in a dynamic study of hemorrhagic fever with renal syndrome incidence	GUO Hai-qiang, DING Hai-long, QU Bo, <i>et al</i> (359)
Biology and Ecology	
Taxonomic study of the genus <i>Portschinskia</i> in Beijing, China	LIU Yu-ning, WAN Xin-yi, ENTMAKH, <i>et al</i> (361)
A new species of the genus <i>Culicoides</i> (Diptera: Ceratopogonidae) from Heilongjiang province, China	LI Ming, ZHANG Bo, LIU Guo-ping (363)
A new species of <i>Alluaudomyia</i> (Diptera: Ceratopogonidae) from Jiangxi province, China	LIU Yang-qing, LIU Xiao-qing, YU Yi-xin (364)
Technique Methods	
<i>Aedes albopictus</i> rearing and ovarian dissection methods	WANG Jia-lu, TAN Liang-fei (366)
Investigation	
Impact of temperature and relative humidity on sulfuryl fluoride fumigation against rats	LI Jin-you, WANG Lin, CHEN Chun-tian, <i>et al</i> (368)
Preliminary report on rodent infestation of farmland in Yunnan province	DOU Qin-chuan, MU Wei-dong, ZHANG Lin, <i>et al</i> (370)
Canonical correlation analysis of climate factors and farmland rodent density	LIU Zi-yuan (372)
Investigation of small nocturnal rodents in a natural plague focus in Hebei province	YAN Dong, SHI Xian-ming, CUI Yao-ren, <i>et al</i> (375)
Primary investigation of mosquito population composition in Anhui province	HOU Yin-xu, ZHANG Jia-lin, ZHANG Yue-yu, <i>et al</i> (377)
Density surveillance and effect of control measures on mosquitoes and flies in Quzhou city	YU Zhang-you, WANG Xiao-lin, HU Xiao-long (380)
Insecticide resistance in <i>Musca domestica</i> in Ordos	WANG Ling-fang, HAI Yu-he, BAI Chang-yi, <i>et al</i> (383)
Epidemiological analysis of insect-borne diseases before and after May 12 Earthquake in Longnan, Gansu, China	CHEN Gen, LIU Hai-jun, LIU Ting, <i>et al</i> (385)
Application of a <i>lipL32</i> -PCR method for detection of <i>Leptospira interrogans</i>	JIANG Li-ping, LU Qun-ying, LUO Yun, <i>et al</i> (388)
Analysis on the 10-year monitoring of hosts of hemorrhagic fever with renal syndrome in Yanyuan	ZHANG Pu-guo, CHEN Xian-mei, ZHANG Zheng-chun, <i>et al</i> (391)
Surveillance of animal carriers of Hantan virus and their ectoparasites at Shanghai costal harbors	DING Lu-min (395)
Investigation on cockroaches in Alashankou port in 2009	YIN Xiao-ping, YE Zhi-hui, PENG Ding-xi, <i>et al</i> (399)
Review	
Impact of climate factors on epidemiological studies of mosquito-borne viral diseases	WANG Xiao-zhong, YU Chang, ZANG Yu-ting, <i>et al</i> (400)
Detection of insecticide resistance in mosquitoes	HOU Juan, GONG Zhen-yu (404)
Enzymological study of <i>Oncomelania hupensis</i> and its application	TAN Ping (407)
Experience Exchange	
Strategies for disease management employed Chinese medical troops during a post-earthquake international humanitarian relief mission to Haiti	YANG Zhen-zhou, SONG Hong-bin, SUN Yan-song, <i>et al</i> (411)
Eco-strategies for the prevention and control of bird strikes at Fuyang Airport	LI Yong-min, NIE Chuan-peng, DING Wei-wei, <i>et al</i> (413)