

2012百种中国杰出学术期刊
中国科技核心期刊
《CAJ-CD规范》执行优秀期刊

ISSN 0412-0914
CN11-2184/S

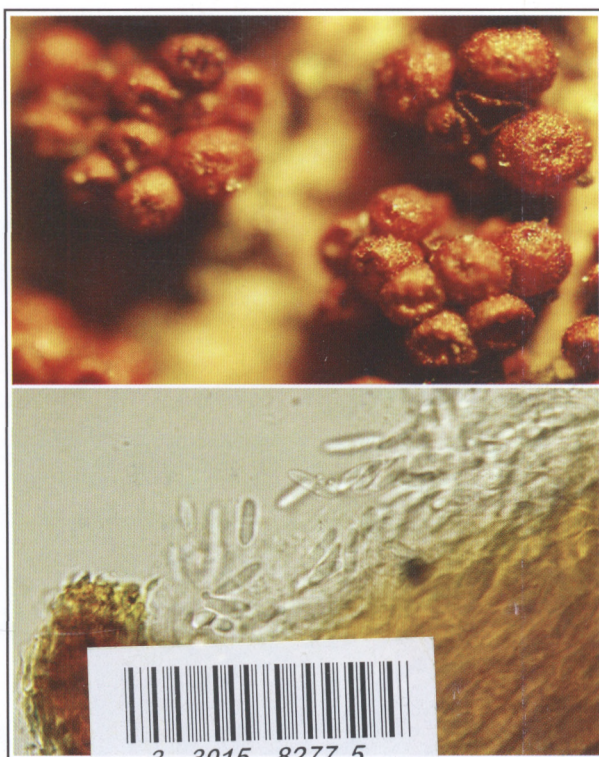


植物病理学报

ACTA PHYTOPATHOLOGICA SINICA

ZHIWU BINGLI XUEBAO

VOL.44 NO. 2 2014



中国植物病理学会

Chinese Society for Plant Pathology

ACTA PHYTOPATHOLOGICA SINICA

Volume 44 Number 2

CONTENTS

April 2014

ETIOLOGY

- 113 Rapid molecular detection of *Phytophthora lateralis* by PCR JI Rui, WANG Jian-sheng, LIAO Tai-lin, LI Bai-sheng, ZHANG Zheng-guang, ZHENG Xiao-bo
- 121 Detection of *Clavibacter michiganensis* subsp. *nebraskensis* in imported corn by PCR YE Lu-fei, SU Han, ZHOU Guo-liang, YIN Li-ping, LI Xiao-jun, YANG Sai-jun, YI Jian-ping
- 129 Triplex PCR detection of *Colletotrichum orbiculare*, *Sclerotinia sclerotiorum* and *Erwinia tracheiphila* in infected cucumber tissues WANG Nan, WANG Wei
- 139 Isolation and variety identification of *Gaeumannomyces graminis* causing Wheat take-all in Henan Province QUAN Xin, XUE Bao-guo, YANG Li-rong, WU Chao

CELL BIOLOGY, PHYSIOLOGY, BIOCHEMISTRY, AND MOLECULAR BIOLOGY

- 147 Stress responses of three retrotransposon-related genes in rice XU Ling, YANG Jing, LIU Lin, LI Cheng-yun
- 156 Purification and properties of β -glucosidase from antifungal *Streptomyces* spp. R₁₅ WANG Qing-hai, JIN Ying, WAN Ping-ping, HAN Yu-mei, LI An-na, DING Ai-yun
- 163 The comparative analysis of secreted CAZymes in phytopathogenic fungi with different lifestyle CHEN Xiang-yong, CHEN Jie-yin, XIAO Hong-li, GUI Yue-jing, LI Lei, DAI Xiao-feng
- 173 *XopXccP*, a putative type III effector gene of *Xanthomonas campestris* pv. *campestris*, is required for pathogenicity on host plants LI Wei-lan, RONG Wei, HE Chao-zu

GENETICS OF DISEASE-RESISTANCE AND PATHOGENICITY

- 180 Regulation of fengycin biosynthesis by regulator PhoP in the *Bacillus subtilis* strain NCD-2 DONG Wei-xin, LI She-zeng, LU Xiu-yun, ZHANG Xiao-yun, WANG Pei-pei, MA Ping, GUO Qing-gang
- 188 Infection and spread of *Rice black-streaked dwarf virus* in the digestive system of its insect vector small brown planthopper JIA Dong-sheng, MA Yuan-yuan, DU Xue, CHEN Hong-yan, XIE Lian-hui, WEI Tai-yun

PLANT DISEASE AND CONTROL

- 195 Disease preventing and growth promoting mechanisms of *Bacillus cereus* strain AR156 on pepper WANG Yong, ZHOU Dong-mei, GUO Jian-hua

RESEARCH NOTES

- 204 Identification of the causal agent of dogwood brown spots NIU Xiao-rui, HUANG Si-liang, LI Qi-qin, WANG Ya, YU Gong-ming, WANG Tan
- 208 Pathogen identification of soapberry stem canker, a newly found disease in China WANG Zhi-long, Wang Sheng, TAN Zhi-wen, HE Yue-qiu
- 213 Identification of the pathogens causing root rot of *Glycyrrhiza uralensis* Fisch. CAO Xue-mei, LI Sheng-bing, ZHANG Hui-ling, HU Xiao-ping
- 217 Comparison of pathogenicity of *Valsa mali* strains showing different culturing phenotypes ZHOU Yu-xia, ZHANG Mei-xin, ZHAI Li-feng, YANG Xiao-ping, CAO Su-fang, HONG Ni, WANG Guo-ping
- 221 Detection of *Tomato yellow leaf curl virus* by real-time quantitative PCR combining with magnetic nanoparticles ZHAO Xiao-li, ZHOU Qi, SUN Ning, DENG Cong-liang

植物病理学报

第 44 卷 第 2 期

目 次

2014 年 4 月

病原学

- 113 雪松疫霉(*Phytophthora lateralis*)的快速分子检测
纪睿,王健生,廖太林,李百胜,张正光,郑小波
- 121 进境玉米中玉米内州萎蔫病菌的 PCR 检测
叶露飞,粟寒,周国梁,印丽萍,李孝军,杨赛军,
易建平
- 129 三重 PCR 检测黄瓜炭疽病菌、菌核病菌和细菌性
萎蔫病菌 王楠,王伟
- 139 河南省小麦全蚀病菌的分离及变种类型鉴定
全鑫,薛保国,杨丽荣,武超

细胞生物学、生理学、生物化学、分子生物学

- 147 三个水稻逆转座子相关基因的逆境响应特征
徐玲,杨静,刘林,李成云
- 156 拮抗链霉菌 R₁₅β-葡萄糖苷酶的纯化及特性研究
王清海,金莹,万平平,韩玉梅,李安娜,丁爱云
- 163 植物病原真菌寄生性与分泌蛋白组 CAZymes 的
比较分析
陈相永,陈捷胤,肖红利,桂月靖,李蕾,戴小枫
- 173 一个推测的野油菜黄单胞菌Ⅲ型分泌效应子基因
XopXccP 对寄主植物的致病性分析
李伟兰,戎伟,何朝族

致病性与抗病性遗传

- 180 枯草芽孢杆菌 NCD-2 中调控因子 PhoP 对 fengycin
合成的调控作用 董伟欣,李社增,鹿秀云,
张晓云,王培培,马平,郭庆港
- 188 水稻黑条矮缩病毒在灰飞虱消化系统的侵染和扩散
过程
贾东升,马元元,杜雪,陈红燕,谢联辉,魏太云

植物病害及其防治

- 195 蜡质芽孢杆菌 AR156 对辣椒的防病促生机理研究
王勇,周冬梅,郭坚华

研究简报

- 204 山茱萸褐斑病病原鉴定
牛小瑞,黄思良,黎起泰,王雅,余功明,王坦
- 208 无患子枝干新病害-溃疡病病原鉴定
王志龙,王胜,谭志文,何月秋
- 213 甘草根腐病病原菌鉴定
曹雪梅,李生兵,张惠玲,胡小平
- 217 梨和苹果腐烂病菌不同培养表型菌株的致病性分析
周玉霞,张美鑫,翟立峰,杨晓平,曹素芳,洪霓,
王国平
- 221 应用纳米磁珠实时荧光定量 PCR 方法检测番茄
黄化曲叶病毒 赵晓丽,周琦,孙宁,邓丛良

封面照片的注释见王志龙等的文章(210 页)。

《植物病理学报》编辑委员会
Editorial Board of ACTA PHYTOPATHOLOGICA SINICA

主 编 (Editor-in-Chief): 彭友良 (Peng Youliang)

副主编 (Associate Editors-in-Chief) (以姓氏笔划为序):

于嘉林 (Yu Jialin) 刘杏忠 (Liu Xingzhong) 孙文献 (Sun Wenxian) 李 毅 (Li Yi)
周益林 (Zhou Yilin) 姜道宏 (Jiang Daohong) 郭泽建 (Guo Zejian)

编 委 (Members of Editorial Board) (以姓氏笔划为序):

王锡锋 (Wang Xifeng)	王晓鸣 (Wang Xiaoming)	王宗华 (Wang Zonghua)
王中康 (Wang Zhongkang)	王源超 (Wang Yuanchao)	马忠华 (Ma Zhonghua)
冯兰香 (Feng Lanxiang)	朱水芳 (Zhu Shuifang)	陈万权 (Chen Wanquan)
陈功友 (Chen Gongyou)	陈保善 (Chen Baoshan)	陈 捷 (Chen Jie)
张力群 (Zhang Liqueun)	何月秋 (He Yueqiu)	何勇强 (He Yongqiang)
李洪连 (Li Honglian)	李多川 (Li Duochuan)	宋凤鸣 (Song Fengming)
张忠军 (Zhang Zhongjun)	周明国 (Zhou Mingguo)	周雪平 (Zhou Xueping)
范在丰 (Fan Zaifeng)	康振生 (Kang Zhensheng)	董汉松 (Dong Hansong)
董金皋 (Dong Jingao)	彭德良 (Peng Deliang)	潘庆华 (Pan Qinghua)

Overseas Members of Editorial Board: Yong Luo Cindy Morris Yinong Yang
Tom Hsiang Shen Quan Pan Xiao-Bing Yang Philippe C. Nicot

责任编辑 (Executive Editors): 于金枝 (Yu Jinzhi) 曾晓葳 (Zeng Xiaowei)

植物病理学报 (双月刊)

2014 年第 44 卷第 2 期 (1955 年创刊)

编 辑 《植物病理学报》编辑部
(地址: 中国农业大学植保楼
406 室 北京 100193)
电话: 010-62732364
传真: 010-62813785
E-mail: zwblxb@cau.edu.cn
网址: <http://zwblxb.cau.edu.cn>

主 编 彭友良

主 管 中国科学技术协会

主 办 中国植物病理学会
(地址: 中国农业大学植保楼
406 室 北京 100193)

出 版 中国植物病理学会

印 刷 北京北林印刷厂

国内发行 北京市报刊发行局

国外发行 中国国际图书贸易公司

ACTA PHYTOPATHOLOGICA SINICA (Bimonthly)

Vol. 44 No. 2 2014 (Started in 1955)

Edited by Editorial Board of ACTA PHYTOPATHOLOGICA SINICA
(406 Plant Protection Bldg., China Agricultural
University, Beijing 100193)

Editor-in-Chief Peng Youliang

Responsible Institution China Association for Science and Technology

Sponsored by Chinese Society for Plant Pathology
(406 Plant Protection Bldg., China Agricultural University, Beijing
100193)

Published by Chinese Society for Plant Pathology

Printed by Beijing Bei Lin Printing House
Beijing 100083

Distributed by

Domestic Beijing Bureau for Distribution of Newspapers
and Journals
(Periodical No. 82-214)

Foreign China International Book Trading Corporation
(P. O. Box 399, Beijing, China) (No. Q447)

