



Q K 1 9 4 3 7 0 9

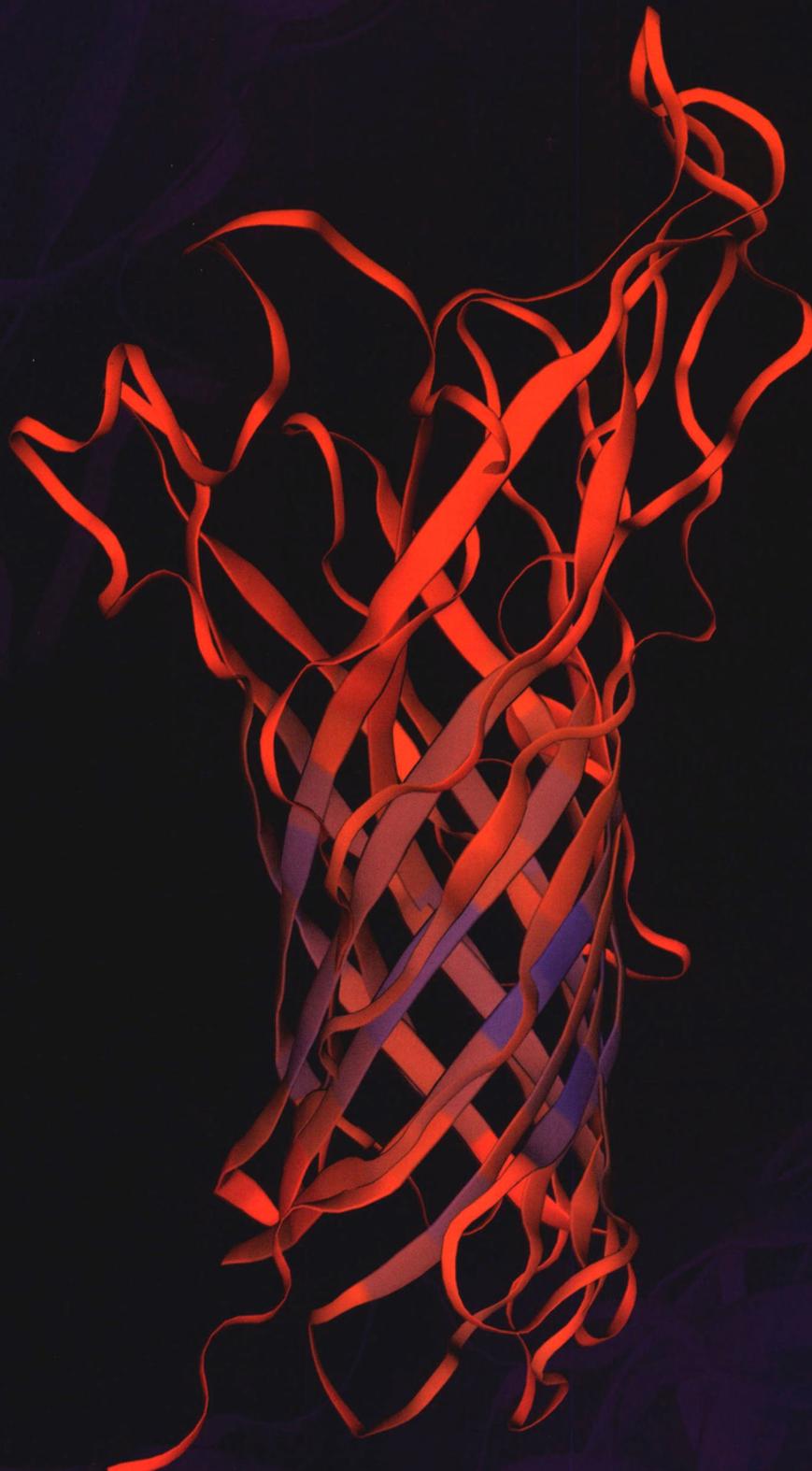
# AMS

Acta Microbiologica Sinica

# 微生物学报

<http://journals.im.ac.cn/actamicrocn>

主办 / 中国科学院微生物研究所 中国微生物学会 出版 / 科学出版社



10

2019 VOL.59

# 中文目次

## 综述

### 1841 食用菌病毒的研究进展

李雪飞, 宋冰, 李玉

### 1855 霍乱弧菌检测技术研究进展

方微微, 王恒樑, 李晓晖, 卢瑛

### 1864 培菌昆虫相关放线菌的次级代谢产物研究进展

朱建华, 李净净, 倪金凤

### 1872 红藻凝集素G研究进展

李兰, 郑其升, 侯继波

### 1880 水果害虫斑翅果蝇体内微生物菌群研究进展

邵孝利, 陆益佳

### 1889 极端嗜热古菌DNA修复核酸内切酶的研究进展

李玉婷, 史昊强, 张立奎

## 研究报告

### 1914 *dlt*操纵子赋予苏云金芽孢杆菌对阳离子抗菌肽的抗性和对昆虫的毒力(英文)

邬欢, 王海文, 朱丽, 魏旭艳, 王兵, 宋春旭, 余子全

### 1915 不同磷、硫及二氧化碳浓度对标志链带藻生长和碳水化合物积累的影响

黄怡, 高保燕, 王飞飞, 戴晨明, 苏敏, 张成武

### 1936 恶臭假单胞菌SJTE-1中转化17 $\beta$ -雌二醇的3-酰基-ACP还原酶的鉴定与功能研究(英文)

彭万里, 古丽米娜, 郑达宁, 梁如冰

### 1937 副溶血弧菌SH112株OmpA蛋白的高效表达及免疫学特性

王亚磊, 王权, 白雪瑞, 别闯南, 陈兆国, 韩先干, 蒋蔚

### 1948 基于16S rRNA基因序列分析法比较苏尼特双峰驼和阿拉善双峰驼自然发酵酸驼乳的微生物多样性

卓娜, 伊丽, 浩斯娜, 吉日木图

### 1968 茄科作物青枯菌NADH脱氢酶F亚基在细胞运动和致病性中的功能研究(英文)

童建华, Gibson Kamau Gicharu, 户勋, 范晓静, 卓涛, 邹华松

### 1969 一株拮抗黄单胞菌的贝莱斯芽孢杆菌的分离和鉴定

李生樟, 陈颖, 杨瑞环, 张翠萍, 刘昭, 李逸朗, 陈涛, 陈功友, 邹丽芳

### 1984 健康与感染青枯病烟株根标土壤与茎科细菌群落结构与多样性

向立刚, 周浩, 汪汉成, 李震, 陈乾丽, 余知和

### 2012 基瘤固氮根瘤菌ORS571 GGDEF和EAL结构域蛋白的预测及功能研究(英文)

孙雨, 解志红, 刘卫, 郭洪恩

### 2013 *Pseudomonas putida* KT2440低特异性L-苏氨酸醛缩酶的表达、酶学性质及温度稳定性提高

李利宏, 张荣珍, 周丽仙, 柳志永, 旋凯昂, 饶俊超, 徐岩

### 2024 定殖植物根内和根围放线菌的分离鉴定及其体外抑菌促生效应

宁楚涵, 李文彬, 张晨, 刘润进

### 2038 巨菌草不同生长期对砒砂岩地区土壤理化性质及细菌群落结构的影响

梅兰, 黄在兴, 宋昭昭, 贾雨雷, 苏德伟, 林辉, 林占熿

**封面图片:** 副溶血弧菌SH112株OmpA蛋白的高效表达及免疫学特性(第1937-1947页, 王亚磊, 王权, 白雪瑞, 别闯南, 陈兆国, 韩先干, 蒋蔚的文章)

## 其他

封二 欢迎订阅《微生物学报》

文后 《微生物学报》征稿简则

封三 《微生物学报》编委会名单

## 广告

文前(I/II) 镇江东方生物工程设备有限公司

# CONTENTS

## REVIEWS

- 1854 Research progress in mushroom virus  
Xuefei Li, Bing Song, Yu Li
- 1863 Advances in detection of *Vibrio cholerae* infection  
Weiwei Fang, Hengliang Wang, Xiaohui Li, Ying Lu
- 1871 Research progress in secondary metabolites from fungus-growing insects associated actinomycetes  
Jianhua Wei, Jingjing Li, Jinfeng Ni
- 1879 Research progress of griffithsin  
Lan Li, Qisheng Zheng, Jibo Hou
- 1888 Prospective of the researches on microbiota of spotted wing Drosophila  
Xiaoli Bing, Yijia Lu
- 1896 Research progress of hyperthermophilic archaeal DNA repair endonucleases  
Yuting Li, Haoqiang Shi, Likui Zhang

## RESEARCH ARTICLES

- 1897 The *dlt* operon in *Bacillus thuringiensis* confers resistance to cationic antimicrobial peptides and virulence to insect  
Huan Wu, Haiwen Wang, Li Zhu, Xuyan Wei, Bing Wang, Chunxu Song, Ziquan Yu
- 1926 Effects of phosphorus, sulfur and carbon dioxide concentrations on growth and carbohydrate accumulation of *Desmodesmus insignis*  
Yi Huang, Baoyan Gao, Feifei Wang, Chenming Dai, Min Su, Chengwu Zhang
- 1927 A new 3-oxoacyl-acyl-carrier-protein reductase identified in *Pseudomonas putida* SJTE-1 can catalyze the transformation of 17 $\beta$ -estradiol  
Wanli Peng, Mina Guli, Daning Zheng, Rubing Liang
- 1947 Expression and immunological characterization of the OmpA protein from *Vibrio parahaemolyticus* strain SH112  
Yalei Wang, Quan Wang, Xuerui Bai, Chuangnan Bie, Zhaoguo Chen, Xiangan Han, Wei Jiang

- 1959 Application of 16S rRNA high-throughput sequencing for comparative study of the microbial diversity of traditional fermented bactrian camel milk from Alxa bactrian camel and Sonid bactrian camel  
Na Zhuo, Li Yi, Sina Hao, Tu Jirimu
- 1960 NADH dehydrogenase subunit F is required for cell motility and pathogenicity in *Ralstonia solanacearum*  
Jianhua Tong, Gibson Kamau Gicharu, Xun Hu, Xiaojing Fan, Tao Zhuo, Huasong Zou
- 1983 Isolation and identification of a *Bacillus velezensis* strain against plant pathogenic *Xanthomonas* spp.  
Shengzhang Li, Ying Chen, Ruihuan Yang, Cuiping Zhang, Zhao Liu, Yilang Li, Tao Chen, Gongyou Chen, Lifang Zou
- 1999 Bacterial community structure and diversity of rhizosphere soil and stem of healthy and bacterial wilt tobacco plants  
Ligang Xiang, Hao Zhou, Hancheng Wang, Zhen Li, Qianli Chen, Zhihe Yu
- 2000 Prediction and functional analysis of GGDEF/EAL domain-containing proteins in *Azorhizobium caulinodans* ORS571  
Yu Sun, Zhihong Xie, Wei Liu, Hongen Guo
- 2023 Expression, characterization and thermostability improvement of low-specificity L-threonine aldolase from *Pseudomonas putida* KT2440  
Lihong Li, Rongzhen Zhang, Lixian Zhou, Zhiyong Liu, Kaijiang Xuan, Junchao Rao, Yan Xu
- 2037 Isolation and identification of antagonizing and growth-promoting actinobacteria colonized in plant roots and rhizosphere  
Chuhan Ning, Wenbin Li, Chen Zhang, Runjin Liu
- 2050 Effect of *Pennisetum* sp. and its different growth periods on physical-chemical properties and bacterial diversity in sandstone areas  
Lan Mei, Zaixing Huang, Zhaozhao Song, Yulei Jia, Dewei Su, Hui Lin, Zhanxi Lin

(本期责编：张晓丽)

微生物学报  
Acta Microbiologica Sinica



每月4日出版

CODEN WSHPA8

国外邮发代号：M67

国内邮发代号：2-504

邮箱：[actamicro@im.ac.cn](mailto:actamicro@im.ac.cn)

定价：85元/期

ISSN 0001-6209



9 770001 620194

网址：<http://journals.im.ac.cn/actamicrocn>