

广西科学院学报  
Journal of Guangxi Academy of Sciences

第 32 卷第 2 期 总第 112 期

2016 年 5 月

目 次

海洋灾害

- 海面溢油及浒苔遥感监测研究进展····· 过 杰,过 爽(73)
- 基于星载 SAR 和 AIS 构建海面溢油监测方法 ····· 邴 磊,邹娜娜,过 杰,等(79)
- 渤海海域油污溯源模拟预测研究····· 曹雅静,高 松,丁 一,等(83)
- 基于 GIS 通视分析的长岛海域溢油陆岸监测系统选址——以大黑山为例 ·····  
····· 丁 一,江崇波,苑克磊,等(88)
- 蓬莱 19-3 平台溢油事故对渤海大型底栖生物群落结构的长期影响 ·····  
····· 周政权,李晓静,陈琳琳,等(92)
- 渤海近海柱样沉积物中石油烃类化合物的地球化学特征 ··· 王 敏,吕双燕,贺世杰,等(101)
- 海上油膜及浒苔的遥感提取 ····· 过 杰,尚伟涛,姜晓鹏,等(107)

海洋生物学

- 龙须菜池塘养殖及其对氮磷去除效果的研究····· 王翔宇,张少春,吴海一(112)
- 外源核苷酸对大菱鲆幼鱼生长和溶菌酶活力的影响 ····· 刘 莹,刘 名,于超勇,等(116)
- 脆壳全海笋和宽壳全海笋的营养成分分析 ····· 张婷婷,李 莉,李 琪,等(122)
- 沙蚕类性信息素研究进展 ····· 于超勇,刘 名,刘 莹,等(129)

生物技术

- 新型 I 型普鲁兰酶基因的克隆表达及酶学性质 ····· 王青艳,申乃坤,朱 婧,等(136)
- 具有快速凝乳性能的水牛奶酪菌种筛选 ····· 甘敏鑫,吴健程,刘兴胥,等(146)
- 油梨不同部位总酚含量、抗氧化及抗菌活性····· 黄思思,宁德生,夏梦雯,等(151)
- 杏鲍菇菌株的 rDNA ITS 序列鉴定和同工酶分析 ····· 罗先群,黄雪星(156)

搞稿指南····· (111)

## CONTENTS

### Marine Disaster

- Status and Trends of Remote Sensing Study to Monitor Sea Surface Oil Spill and Enteromorpha .....  
..... GUO Jie, GUO Shuang (73)
- Conception of Method for Marine Oil Spill Monitoring Based on Spaceborne SAR and AIS .....  
..... BING Lei, ZOU Nana, GUO Jie, et al. (79)
- Study on Tracing Model of the Oil Spill Sources in Bohai Sea .....  
..... CAO Yajing, GAO Song, DING Yi, et al. (83)
- Site Selection of Shoreside Oil Spill Monitoring System Based on GIS Visibility Analysis Illustrated by an  
Example of Daheishan ..... DING Yi, JIANG Chongbo, YUAN Kelei, et al. (88)
- Long-term Effects of Penglai 19-3 Oil Spill Event on the Macrobenthic Community Structure in Bohai Sea  
..... ZHOU Zhengquan, LI Xiaojing, CHEN Linlin, et al. (92)
- Geochemical Characteristics of Hydrocarbons in the Core Sediments from Bohai Bay .....  
..... WANG Min, LV Shuangyan, HE Shijie, et al. (101)
- Offshore Oil Film and Enteromorpha Extraction by Remote Sensing Data .....  
..... GUO Jie, SHANG Weitao, JIANG Xiaopeng, et al. (107)

### Marine Biology

- Study on Pond Cultivation of *Gracilaria lemaneiformis* and Removal of  $\text{NH}_4\text{-N}$  and  $\text{PO}_3\text{-P}$  .....  
..... WANG Xiangyu, ZHANG Shaochun, WU Haiyi (112)
- Effect of a Nucleotide - enriched Diet on the Growth and Lysozyme Activity in Juvenile Turbot  
(*Scophthalmus maximus*) ..... LIU Ying, LIU Ming, YU Chaoyong, et al. (116)
- Analysis of Nutritional Components in *Barnea fragilis* and *Barnea diliaia* .....  
..... ZHANG Tingting, LI Li, LI Qi, et al. (122)
- Research Progress in Sex Pheromones of Nereid Polychaetes .....  
..... YU Chaoyong, LIU Ming, LIU Ying, et al. (129)

### Biotechnology

- Cloning, Expression and Enzymatic Characterization of a New Type I Pullulanase Gene .....  
..... WANG Qingyan, SHEN Naikun, ZHU Jing, et al. (136)
- Strains Screening for Rapid Milk Clotting of Buffalo Milk into Cheese .....  
..... GAN Minxin, WU Jiancheng, LIU Xingxu, et al. (146)
- Total Phenolic Content, Antioxidant and Antimicrobial Activities from Different Parts of Avocado *Persea  
americana* Mill. .... HUANG Sisi, NING Desheng, XIA Mengwen, et al. (151)
- Analysis on Isozyme and rDNA ITS Sequence of *Pleurotus eryngii* Strains .....  
..... LUO Xianqun, HUANG Xuexing (156)

责任编辑:陆 雁 尹 闯 米慧芝 竺利波

英文审读:孙 靓

编 务:李智娟

---

主 编:黄日波

副 主 编:廖 宏 黎贞崇

编辑部主任:黎贞崇

编委 (兼栏目主编,按姓氏笔画顺序排列):

邓超冰	韦 霄	过 杰	吴海一	张 杰
张耀南	李谊纯	陈 东	周浩郎	徐 雯
袁华茂	高程海	梁士楚	黄日波	黄国强
廖 宏	滕红丽	黎贞崇		

---

广 西 科 学 院 学 报

GUANGXI KEXUEYUAN XUEBAO

1982年创刊 季刊

Started in 1982, Quarterly

第 32 卷 第 2 期 2016 年 5 月

Vol. 32, No. 2 May 2016

---

主管单位:广西科学院

主办单位:广西科学院

协办单位:广西壮族自治区计算中心

主 编:黄日波

编辑出版:《广西科学院学报》编辑部

(广西南宁市大岭路98号 530007)

电话 0771-2503923, 2503999)

印 刷:广西瑞丰印务有限公司

发行订购:《广西科学院学报》编辑部

刊 号:ISSN 1002-7378  
CN 45-1075/N

广告经营许可证号:450102158

Supervised by Guangxi Academy of Sciences

Sponsored by Guangxi Academy of Sciences

Co-sponsored by Computing Center of Guangxi Zhuang  
Autonomous Region

Chief Editor: Huang Ribo

Edited and Published by the Editorial Office of Journal of  
Guangxi Academy of Sciences

(98, Dalinglu, Nanning, Guangxi, 530007, China)

Printed by Guangxi Ruifeng Printing Co., Ltd.

Distributed by the Editorial Office of Journal of Guangxi  
Academy of Sciences

E-mail: gxkxyxbbjb@126.com

http://gxkx.cbpt.cnki.net/

---

国内外公开发行人

定价:8.00元