

# 目次

2020年第27卷第5期(总第121期)

## 综述类

- 北部湾海洋微生物物种多样性与化学多样性研究进展 ..... 徐新亚,杨 宏,宁小清,等(433)  
海洋来源活性肽及其抗炎活性研究进展 ..... 杨 斌,龙洁怡,刘永宏(451)  
海藻共附生真菌活性天然产物研究进展 ..... 杨曦亮,王健娇,姜 睿,等(462)  
抗阿尔茨海默病真菌来源天然产物研究进展 ..... 王俊锋,陈伟豪,陈春梅,等(475)  
二十四元大环内酯生物合成研究进展 ..... 甘雨满,黄炳耀,唐振洲,等(487)  
结合自由能微扰积分法及其在药物研发中的应用 ..... 甘雨满,刘永宏,刘 锲(493)

## 研究类

- 庚基灵菌素高产菌株 *Notoacmeibacter* sp. BGMRC2072 的常压室温等离子体诱变(ARTP)选育 ..... 苏志维,卢天梅,赵美婷,等(503)  
珊瑚来源群体淬灭活性产生菌的筛选与抑菌活性研究 ..... 黄沁愉,蒋学建,苏宏飞,等(509)  
涠洲岛珊瑚礁海洋真菌的分离鉴定及其抗 MRSA 活性筛选 ..... 卢护木,詹振宇,李 蜜,等(520)  
嗜盐真菌多样性及其抗肿瘤活性研究 ..... 陈显强,邢楠楠,黄亮华,等(526)  
广西 5 种常见星虫动物的线粒体基因组特征和系统进化分析 ..... 钟声平,蒋 艳,刘永宏,等(532)  
基于机械搅拌式光照发酵罐的紫球藻高产藻红蛋白培养条件优化 ..... 陈晓倩,刘永宏,黄炳耀(541)  
海洋来源真菌的曲酸发酵条件优化 ..... 梁芳萍,邢楠楠,刘永宏,等(546)  
南沙石珊瑚来源真菌 *Aspergillus terreus* SCAU139 的聚酮类代谢产物研究 ..... 张晓勇,赵 婷,农旭华(552)  
深海真菌 *Trichobotrys effuse* DFFSCS021 的次级代谢产物研究 ..... 罗琴琴,陈子明,曾金凤,等(558)  
珊瑚来源放线菌 *Streptomyces albidoflavus* M13.1 的次级代谢产物化学成分研究 ..... 林玉坤,谢春兰,贾凌云,等(564)  
广西北海市南岸滩涂主要大型植物及表层沉积物的稳定性碳和氮同位素丰度 ..... 黄国强,刘旭佳,彭银辉,等(570)  
北部湾玉足海参和花刺参骨片结构与营养成分研究 ..... 黄亮华,庞全坚,钟声平,等(578)
- 喜讯:《广西科学》《广西科学院学报》入选“RCCSE 中国核心/准核心学术期刊” ..... (519)  
《广西科学》2019 年影响因子及学科排名再创新高 ..... (540)  
投稿指南 ..... (551)

# CONTENTS

2020 Vol. 27 No. 5 (No. 121)

## Review

- Research Progress of Marine Microbial Diversity and Chemical Diversity in Beibu Gulf .....  
..... XU Xinya, YANG Hong, NING Xiaoqing, et al. (433)  
Research Progress of Marine Bioactive Peptides and Their Anti-inflammation Activity .....  
..... YANG Bin, LONG Jieyi, LIU Yonghong(451)  
Advances in Active Natural Products from Marine Alga-derived Fungi .....  
..... YANG Xiliang, WANG Jianjiao, JIANG Rui, et al. (462)  
Research Progress of the Fungus-derived Natural Products with Anti-Alzheimer's Potential .....  
..... WANG Junfeng, CHEN Weihao, CHEN Chunmei, et al. (475)  
Research Progress in Macrolactins Bio-synthesis .....  
..... GAN Yuman, HUANG Bingyao, TANG Zhenzhou, et al. (487)  
Application and Research Progress of Binding Free Energy Perturbation Calculation in Drug Discovery ...  
..... GAN Yuman, LIU Yonghong, LIU Kai(493)

## Experiment

- Screening of High-production-heptylprodigiosin Strain from *Notoacmeibacter* sp. BGMRC2072 by ARTP ...  
..... SU Zhiwei, LU Tianmei, ZHAO Meiting, et al. (503)  
Screening of Quorum Quenching Bacterial Strains from Coral and Analysis of Its Bacteriostatic Activity ...  
..... HUANG Qinyu, JIANG Xuejian, SU Hongfei, et al. (509)  
Isolation, Identification, and Anti-MRSA Activity Screening of Marine Symbiotic Fungi Derived from the  
Weizhou Island Coral Reef ..... LU Humu, ZHAN Zhenyu, LI Mi, et al. (520)  
Study on the Biodiversity of Halophilic Fungi and Their Antitumor Activity .....  
..... CHEN Xianqiang, XING Nannan, HUANG Lianghua, et al. (526)  
Mitochondrial Genome Characteristics and Phylogenetic Analysis of Five Common Sipunculans (Peanut  
Worms) in Guangxi ..... ZHONG Shengping, JIANG Yan, LIU Yonghong, et al. (532)  
Culture Conditions Optimization for High-yield of Phycoerythrin from *Porphyridium cruentum* Based on a  
Light Fermentation Tank with Mechanical Agitator .....  
..... CHEN Xiaoqian, LIU Yonghong, HUANG Bingyao(541)  
Optimization of Fermentation of Kojic Acid Produced by Marine Fungi .....  
..... LIANG Fangping, XING Nannan, LIU Yonghong, et al. (546)  
Research on Polyketides of Secondary Metabolites from a Stony Coral-associated Fungal Strain *Aspergillus*  
*terreus* SCAU139 Collected from the Nansha Islands .....  
..... ZHANG Xiaoyong, ZHAO Ting, NONG Xuhua(552)  
Studies on the Secondary Metabolites of Deep-sea-derived Fungus *Trichobotrys effuse* DFFSCS021 .....  
..... LUO Qinjin, CHEN Ziming, ZENG Jinfeng, et al. (558)  
Study on Chemical Constituents of the Secondary Metabolites of Coral-derived Actinomycete *Streptomyces*  
*albidoflavus* M13. 1 ..... LIN Yukun, XIE Chunlan, JIA Lingyun, et al. (564)  
The Abundance of Carbon and Nitrogen Stable Isotope of the Important Plant and Sediment in Inter-tidal  
Zone of the South Coast of Beihai, Guangxi ..... HUANG Guoqiang, LIU Xujia, PENG Yinhu, et al. (570)  
Study on Morphological Character of Ossicles and Nutrient Composition of *Holothuria leucospilota* and  
*Stichopus variegatus* in the Beibu Gulf .....  
..... HUANG Lianghua, PANG Quanjian, ZHONG Shengping, et al. (578)