

# 广西科学 2019 年第 26 卷 总目次

第 1 期(2019 年 2 月)

## 综述类

- 物种的及时发现:以中国苦苣苔科植物为例(英文) ..... Möller Michael(1)  
中国苦苣苔科植物物种中文名的选定/拟定原则建议初探 ..... 洪 欣,黎 舒,蔡 磊,等(17)  
新中文命名规则下的最新中国苦苣苔科植物名录 ..... 温 放,黎 舒,辛子兵,等(37)  
苦苣苔科植物在上海植物园的迁地保育和展示应用 ..... 秦佳奇(64)

## 新分类群与植物分布新记录

- 具腋生花序的异叶岩桐属一新记录种(英文) ..... Keene Jeremy(79)  
广东苦苣苔科植物 4 新记录种 ..... 杨丽华(83)  
贵州苦苣苔科植物 4 新记录种 ..... 杨加文,蔡 磊(86)  
湘桂粤地区苦苣苔科植物省级分布 8 新记录种 ..... 盘 波,温 放(89)  
麻栗坡半蒴苣苔:越南苦苣苔科植物国家级分布新记录(英文) .....  
..... Nguyen K. S., Averyanov L. V., Maisack T, 等(95)

## 实验研究类

- 中国苦苣苔科植物的分类系统历史变化——兼论该科植物在我国合格发表的新分类群与国家级分布新记录情况分析 ..... 辛子兵,符龙飞,黎 舒,等(102)  
中国苦苣苔科植物中王文采旧分类系统与 Weber 新分类系统的名实更替 .....  
..... 符龙飞,黎 舒,辛子兵,等(118)  
中国南方苦苣苔科植物在喀斯特地貌和丹霞地貌上的适应分化 ..... 俞筱押,李家美,任明迅(132)  
湖南省苦苣苔科植物物种多样性分析 ..... 牟 村,彭春良,张 帆(141)  
基于微卫星的喀斯特地区长梗吊石苣苔和吊石苣苔的遗传多样性研究 ..... 缪振鹏,丁 莉(146)  
2 种石山苣苔属植物叶插繁育研究 ..... 黎 舒,王莉芳,冼康华,等(152)

第 2 期(2019 年 4 月)

## 森林生态学

- 桉树生态营林的理论探索与实践 ..... 温远光,周晓果,朱宏光,等(159)

- 桉树高代次连栽对林下植物、土壤肥力和酶活性的影响 ..... 李朝婷,周晓果,温远光,等(176)  
马尾松×红锥异龄混交林对土壤微生物群落结构和功能的影响 ..... 温远光,李海燕,周晓果,等(188)  
去除和添加凋落物对马尾松×红锥混交林土壤呼吸的影响 ..... 覃志伟,周晓果,温远光,等(199)  
南亚热带马尾松×红锥混交林红锥的天然更新及环境解释 ..... 李运筹,周晓果,温远光,等(207)

#### 生物技术

- 固定化污泥与固定化小球藻共培养去除污水氮磷研究 ..... 梁慧元,张云开(215)  
响应面法优化玉米苞叶中木聚糖的提取工艺 ..... 覃香香,周玉恒,陈海珊,等(222)  
枯草芽孢杆菌麦芽糖诱导型启动子 Pglv-M1 的改造 ..... 程 媛,汪桂萍,孙 畅,等(228)  
木薯淀粉微球的止血性能初步研究 ..... 曹 勇,黎演明,冼学权,等(233)  
金花茶叶多酚类成分 HPLC 指纹图谱研究 ..... 喻 军,莫建光,陈秋虹,等(238)

#### 特邀栏目

- 不同年龄阶段马尾松人工林土壤水分-物理性质 ..... 秦佳双,李明金,宋尊荣,等(245)

### 第3期(2019年6月)

#### 能量收集无线网络与数据融合技术

- 能量收集网络技术研究与发展 ..... 王 哲,李陶深,叶 进,等(253)  
带有下行 SWIPT 的强干扰 WPCN 中用户最小速率最大化研究 ..... 肖 楠,李陶深,王 哲(267)  
一种基于缓冲区阈值调整的动态自适应码率选择算法 ..... 曾俊凯,李陶深,葛志辉,等(276)  
面向同源蛋白质探测的一种新型混合深度学习模型 ..... 张 茜,孙一佳,白 琳 ,等(283)

#### 海洋科学

- 2018 年海洋科学领域研究热点解析 ..... 张灿影,王金平,高 峰,等(291)  
涠洲岛两种石珊瑚在高温胁迫下共生细菌群落结构变化特征 ..... 骆雯雯,梁甲元,余克服,等(299)  
涠洲岛赤潮监控区营养盐变化及其结构特征 ..... 邢素坤,李 萍,何志江,等(308)  
广西团水虱的种类组成及其对红树林的生态效应初探 ..... 陈 颖,杨明柳,高霆炜,等(315)  
滨海自然植物群落物种多样性及种间垂直联结性 ..... 张艺帆,任 哲,邓荣艳,等(324)

#### 环境保护

- 广西茅岭江入海典型污染物通量估算方法 ..... 马进荣,程梦妍,廖文凯,等(335)  
“十二五”期间广西酸雨污染变化特征分析 ..... 陆晓艳,黄 增,陈 倍,等(341)  
某电解铅厂周边农田土壤和玉米中铅污染评价及同位素溯源研究 ..... 孙 滨,都雪利,周 影,等(347)

## 第4期(2019年8月)

### 特邀专稿

- 广西桉树人工林引种发展历程与可持续发展研究 ..... 杨章旗(355)  
一种大功率连续波磁控管的高频电磁场与热应力场耦合分析 ..... 丁海兵,冯彤,李伟松,等(362)

### 材料物理

- 广西伊岭岩岩石( $\text{CaCO}_3$ )晶体结构、德拜温度以及硬度研究 ..... 黄金辉,杨通晗,黄国任,等(370)  
 $\text{MnBi}_{1-x}\text{Cr}_x$  ( $x=0.04, 0.08, 0.12, 0.16$ )合金的晶体结构与磁性能 ..... 黄国任,黄金辉,杨通晗,等(378)  
基于  $X$  ( $X=\text{Sc}, \text{Ce}, \text{Pr}, \text{Sm}$ ) 单质原位球磨合成的  $\text{NaAlH}_4$  储氢性能 ..... 丁志强,李俊峰,黄存可,等(385)

### 计算科学

- 基于 RFID 阵列的无轨 AGV 系统的研究与设计 ..... 王青青,梁家海(391)  
基于混合处理模型的乱序数据流分布式聚合查询处理技术 ..... 杨宁,许嘉,吕品,等(398)  
离散萤火虫算法在车载网的应用 ..... 黄欣(405)

### 生物技术

- 环糊精水解酶  $\text{cds}1\text{-}3$  底物通道氨基酸的定点突变研究 ..... 汤宏赤,莫莉,闭海,等(410)  
沼液和香蕉秆压榨汁生产单细胞蛋白菌株的筛选 ..... 米慧芝,潘世优,韦宇拓,等(417)  
高温胁迫对近江牡蛎  $Hsp90$  表达及 CpG 甲基化的影响 ..... 王翠丽(424)

### 特邀栏目

- 广西山口红树林保护区昆虫调查 ..... 甄文全,薛云红,刘文爱,等(430)  
大方清虚洞穴景观资源特征及形成机制的初步研究 ..... 罗书文,陈伟海,杨桃,等(444)

## 第5期(2019年10月)

### 综述类

- 广西中药民族药质量标准研究创新平台的发展成效 ..... 刘布鸣,邱宏聪,陈小刚,等(457)  
中药化学对照品研究与开发 ..... 刘布鸣,邱宏聪(461)  
植物类海洋中药化学成分及药理作用研究进展 ..... 杜成智,侯小涛,郝二伟,等(466)  
药用昆虫药理活性研究进展 ..... 韦桂宁,韦玉茹,李冬梅(477)  
矮地茶化学成分与药理作用研究进展 ..... 曾令阳,王梓懿,何翠薇(484)

### 实验研究类

- 岗松露化学成分与杀菌作用分析 ..... 刘布鸣,柴玲,李军集,等(490)  
十味参归灌肠液的质量标准研究 ..... 何艳春,莫秋瑜,黄瑞松(497)

- 海洋中药厚藤的质量标准研究 ..... 冯小慧,韦桢婷,邓家刚,等(503)  
木榄的质量标准研究 ..... 杜成智,莫柳英,韦壹灵,等(511)  
瑶药五爪金龙中牛蒡苷元薄层色谱及含量测定 ..... 雷沛霖,黄瑞松,李耀华(517)  
广西产兰香草 HPLC 指纹图谱分析 ..... 甄丹丹,何柳艳,莫缓恒,等(522)  
ICP-MS 分析复方甘草口服溶液中 15 种元素 ..... 李智明,邓 鸣,卢日刚(527)  
GC-ECD 法测定中药配方颗粒中 20 种有机氯农药残留量 ..... 白桂昌,吕铁峰,罗 轶,等(532)  
HPLC 法同时测定外感风痧颗粒中 4 种成分 ..... 刘 雯,郭海姣,刘进宝,等(539)  
高效液相色谱法测定苯丙氨酸原料及其片剂中的有关物质 ..... 梁秋霞,刘庄蔚,杨欣智,等(543)  
黄根脂溶性成分的 GC-MS 分析 ..... 杨海船,黄荣胜,张 颖,等(549)  
6 种中药单体脂肪酶抑制活性及其作用机制 ..... 李子达,张月华,黄健军,等(555)  
基于斑马鱼模型的海洋中药厚藤安全性评价 ..... 潘祥龙,郝二伟,谢金玲,等(560)  
铁皮石斛抗疲劳作用的谱效关系研究 ..... 谢唐贵,陈敬民,蓝保强,等(569)  
昂天莲叶提取物对糖苷酶的抑制作用及其化学成分研究 ..... 胡 颖,陈 璐,江彩华,等(577)  
拟黑多刺蚁、牡蛎提取物抗疲劳作用研究 ..... 李 品,韦桂宁,李冬梅,等(583)  
星点设计-效应面法优化双苷清咽含片处方的研究 ..... 黄 云,李学坚,胡文姬,等(588)

## 第 6 期(2019 年 12 月)

### 综述类

- 北部湾海洋环流研究进展 ..... 陈 波,侍茂崇(595)  
海岸侵蚀、防护与修复研究综述 ..... 吉学宽,林振良,闫有喜,等(604)

### 实验研究类

- 2007 年夏季北部湾生态与环境要素分布规律研究 ..... 侍茂崇,陈妍宇,陈 波,等(614)  
台风“纳沙”期间广西近岸风暴射流产生与增减水异常现象 ..... 陈 波,朱冬琳,牙韩争,等(626)  
河口海岸模型验证方法及其性能比较研究 ..... 李谊纯,林振良,李 庆(634)  
基于 HYCOM 模拟的南海西北部环流 ..... 朱冬琳,陈 波,唐声全(641)  
夏季波浪对钦州湾水交换能力的影响研究 ..... 曹雪峰,陈 波,邢传玺,等(647)  
基于模型耦合的北部湾风暴潮增水与风浪模拟研究 ..... 张 敏,米 婕,赵振宇,等(655)  
1980—2015 年间北部湾海域热带气旋的变化及特征分析 ..... 乔守文,边志刚,隋 意,等(663)  
广西近海污染物输运模拟研究 ..... 朱冬琳,陈 波,牙韩争,等(669)  
广西近海海上溢油应急预报系统开发与应用 ..... 牙韩争,董德信,朱冬琳,等(676)  
北仑河口潮汐汊道稳定性的环境影响因素分析 ..... 冉 娟,董德信,李谊纯,等(683)  
雷州半岛东部近岸海域潮流特征分析 ..... 杨正清,刘振宇,李双伟,等(690)

# CONTENTS OF VOLUME 26, 2019 GUANGXI SCIENCES

## No. 1 (February 2019)

### Review

- Species Discovery in Time: An Example from Gesneriaceae in China ..... Michael Möller(1)  
Preliminary Study on the Selecting/Formulating Rules of Chinese Names of Chinese Gesneriaceae .....  
..... HONG Xin, LI Shu, CAI Lei, et al. (17)  
The Updated Plant List of Gesneriaceae in China under the New Chinese Naming Rules .....  
..... WEN Fang, LI Shu, XIN Zibin, et al. (37)  
Ex situ Conservation and Display Application of Gesneriaceae in Shanghai Botanical Garden ..... QIN Jiaqi(64)

### New Taxon and New Records of Plant

- A New Species of *Monopyle* (Gesneriaceae) with Axillary Inflorescences ..... Jeremy Keene(79)  
Four Newly Recorded Species of Gesneriaceae from Guangdong Province ..... YANG Lihua(83)  
Four Newly Recorded Species of Gesneriaceae in Guizhou Province ..... YANG Jiawen, CAI Lei (86)  
Eight Newly Recorded Species of Provincial Distribution of Gesneriaceae Plants in Hunan, Guangxi and Guangdong .....  
..... PAN Bo, WEN Fang(89)  
*Hemiboea malipoensis* Y. H. Tan: A Newly Recorded Species for the Gesneriads of Vietnam .....  
..... K. S. Nguyen, L. V. Averyanov, T. Maisack, et al. (95)

### Experiment

- The Historical Changes in the Classification of Chinese Gesneriaceae; On the Analysis of New Taxonomic Group Qualifiedly Published in China and New Records of National Distribution of This Family ..... XIN Zibing, FU Longfei, LI Shu, et al. (102)  
The Changes of the Chinese Names and Scientific Names of Gesneriaceae in China between Wang's and Weber's Classifications for Gesneriaceae ..... FU Longfei, LI Shu, XIN Zibing, et al. (118)  
Adaptive Differentiation of Gesneriaceae on Karst and Danxia Landforms in Southern China .....  
..... YU Xiaoya, LI Jiamei, REN Mingxun(132)  
Analysis of Species Diversity of Gesneriaceae Plants in Hunan ..... MOU Chun, PENG Chunliang, ZHANG Fan(141)  
Study on the Genetic Diversity of *Lysionotus longipedunculatus* and *L. Pauciflorus* in Karst Limestone Area based on Microsatellite Loci ..... MIAO Zhenpeng, DING Li(146)  
Study on Leaf Cutting and Breeding of 2 *Petrcodon* Species ..... LI Shu, WANG Lifang, XIAN Kanghua, et al. (152)

## No. 2 (April 2019)

### Forest Ecology

- Theoretical Exploration and Practices of Ecological Management in *Eucalyptus* Plantations .....  
..... WEN Yuanguang, ZHOU Xiaoguo, ZHU Hongguang, et al. (159)  
Effects of High-generation Ratations of *Eucalyptus* on Undergrowth, Soil Fertility and Enzyme Activities .....  
..... LI Chaoting, ZHOU Xiaoguo, WEN Yuanguang, et al. (176)  
Effects of Uneven-aged *Pinus massoniana* × *Castanopsis hystrix* Mixed Plantations on Structural and Functions of Soil Microbial Community ..... WEN Yuanguang, LI Haiyan, ZHOU Xiaoguo, et al. (188)  
Effects of Litter Removal and Addition on Soil Respiration in a *Pinus massoniana* × *Castanopsis hystrix* Mixed Plantation .....  
..... QIN Zhiwei, ZHOU Xiaoguo, WEN Yuanguang, et al. (199)  
Environmental Factors and Natural Regeneration of *Castanopsis hystrix* in a Tropical *Pinus massoniana* × *C. hystrix* Mixed Plantation in Subtropical China ..... LI Yunchou, ZHOU Xiaoguo, WEN Yuanguang, et al. (207)

### Biotechnology

- Study on the Removal of Nitrogen and Phosphorus from Sewage by Co-culture of Immobilized Sludge and Immobilized *Chlorella* ..... LIANG Huiyuan, ZHANG Yunkai(215)

Optimization of Extraction Process for Xylan from Corn Bracts by Response Surface Methodology .....	..... QIN Xiangxiang, ZHOU Yuheng, CHEN Haishan, et al. (222)
Modification of <i>Bacillus subtilis</i> Maltose Inducible Promoter Pglv-M1 .....	..... CHENG Yuan, WANG Guiping, SUN Chang, et al. (228)
Preliminary Study on Hemostatic Properties of Cassava Starch Microspheres .....	..... CAO Yong, LI Yanming, XIAN Xuequan, et al. (233)
Study on HPLC Fingerprint of Polyphenols in <i>Camellia nitidissima</i> Chi Leaves .....	..... YU Jun, MO Jianguang, CHEN Qiuhong, et al. (238)
<b>Special Columns</b>	
Soil Water-Physical Properties of <i>Pinus massoniana</i> Plantation at Different Ages .....	..... QIN Jiashuang, LI Mingjin, SONG Zunrong, et al. (245)

### No. 3(June 2019)

<b>Energy Harvesting Wireless Networks and Data Fusion Technology</b>	
Energy Harvesting Networks: A Review of Recent Advances .....	..... WANG Zhe, LI Taoshen, YE Jin, et al. (253)
Research on Minimum Rate Maximization of Users in Strong Interference WPCN with Downlink SWIPT .....	..... XIAO Nan, LI Taoshen, WANG Zhe (267)
A Dynamic Adaptive Rate Selection Algorithm based on Buffer Threshold Adjustment .....	..... ZENG Junkai, LI Taoshen, GE Zhihui, et al. (276)
A New Hybrid Deep Learning Model for Homologous Protein Detection .....	..... ZHANG Qian, SUN Yijia, BAI Lin, et al. (283)

### Marine Sciences

Analysis of Hotspots in Marine Science Research in 2018 .....	..... ZHANG Canying, WANG Jinping, GAO Feng, et al. (291)
Characteristics of Symbiotic Bacterial Community Structure Changes in Two Species of Stony Corals in Weizhou Island under High Temperature Stress .....	..... LUO Wenwen, LIANG Jiayuan, YU Kefu, et al. (299)
Variations and Structure Characteristic of Nutrients in Red-tide Monitoring Area of Weizhou Island .....	..... XING Sukun, LI Ping, HE Zhijiang, et al. (308)
Preliminary Study on Species Composition of <i>Sphaeroma</i> and its Ecological Effect to Mangrove in Guangxi .....	..... CHEN Ying, YANG Mingliu, GAO Tingwei, et al. (315)
Species Diversity and Inter-specific Association between Vertical Layers in Coastal Natural Plant Communities .....	..... ZHANG Yifan, REN Zhe, DENG Rongyan, et al. (324)

### Environmental Protection

Method of Estimating the Typical Pollutant Flux from Maoling River to Maowei Sea in Guangxi .....	..... MA Jinrong, CHENG Mengyan, LIAO Wenkai, et al. (335)
Analysis about Variation Characteristics of Acid Rain Pollution in Guangxi during the Twelfth Five-Year Plan .....	..... LU Xiaoyan, HUANG Zeng, CHEN Bei, et al. (341)
Research on Pollution Assessment and Pollution Source of Lead Isotope in Farmland Soil and Maize around an Electrolytic Lead Factory .....	..... SUN Bin, DOU Xueli, ZHOU Ying, et al. (347)

### No. 4(August 2019)

#### Special Issue

Development History and Sustainable Development of <i>Eucalyptus</i> Plantations Introduction in Guangxi .....	..... YANG Zhangqi (355)
The Coupling Analysis of High Frequency Electromagnetic Field and Thermal Stress Field of a High-power Continuous Wave Magnetron .....	..... DING Haibing, FENG Tong, LI Weisong, et al. (362)
Study on Crystal Structure, Debye Temperature and Hardness of the Yilingyan Rock ( $\text{CaCO}_3$ ) in Guangxi .....	..... HUANG Jinhui, YANG Tonghan, HUANG Guoren, et al. (370)
Crystal Structure and Magnetic Properties of $\text{MnBi}_{1-x}\text{Cr}_x$ ( $x = 0.04, 0.08, 0.12, 0.16$ ) Alloys .....	..... HUANG Guoren, HUANG Jinhui, YANG Tonghan, et al. (378)

- Hydrogen Storage Properties of NaAlH<sub>4</sub> Prepared Via in-situ Ball-milling Method Based on X (X=Sc,Ce,Pr,Sm) Additive .....  
..... DING Zhiqiang, LI Junfeng, HUANG Cunke, et al. (385)

#### Computational Sciences

- Research and Design of Trackless AGV System Based on RFID Array ..... WANG Qingqing, LIANG Jiahai(391)  
Distributed Aggregation Query Processing Technology for Out-of-order Data Streams Based on Hybrid Processing Model .....  
..... YANG Ning, XU Jia, LV Pin, et al. (398)  
Application of Discrete Firefly Algorithms in Vehicle-borne Networks ..... HUANG Xin(405)

#### Biotechnology

- Site-directed Mutagenesis of Amino Acid in the Substrate of Cyclodextrin Hydrolase cds1-3 .....  
..... TANG Hongchi, MO Li, BI Hai, et al. (410)  
Screening of Single Cell Protein Producing Strains by Biogas Slurry and Banana Pseudostem Pressed Juice .....  
..... MI Huizhi, PAN Shiyou, WEI Yutuo, et al. (417)  
Influence of High Temperature Stress on *Hsp90* Expression and CpG Methylation in *Crassostrea rivularis* .....  
..... WANG Cuili(424)

#### Special Columns

- Insects Background Survey of Shankou National Reserve of Mangrove .....  
..... ZHEN Wenquan, XUE Yunhong, LIU Wenai, et al. (430)  
Preliminary Study on the Characteristics and Formation Mechanism of Qingxudong Cave in Dafang County .....  
..... LUO Shuwen, CHEN Weihai, YANG Tao, et al. (444)

### No. 5 (October 2019)

#### Review

- The Development Achievements of Guangxi Traditional Chinese Medicine Quality Standard Research and Innovation Platform .....  
..... LIU Buming, QIU Hongcong, CHEN Xiaogang, et al. (457)  
Research and Development of Traditional Chinese Medicine Chemical Reference Substance .....  
..... LIU Buming, QIU Hongcong (461)  
Research Progress on Chemical Composition and Pharmacological Effects of Marine Plant Chinese Medicine .....  
..... DU Chengzhi, HOU Xiaotao, HAO Erwei, et al. (466)  
Advances in Pharmacological Activities of Medicinal Insects ..... WEI Guining, WEI Yuru, LI Dongmei (477)  
Research Progress on Chemical Composition and Pharmacological Action of *Ardisia japonica* .....  
..... ZENG Lingyang, WANG Ziyi, HE Cuiwei (484)

#### Experiment

- Chemical Constituents and Bactericidal Action Research of the Distillate Water of *Baeckea frutescens* L. .....  
..... LIU Buming, CHAI Ling, LI Junji, et al. (490)  
Study on the Quality Standard of Shiweishengui Filling and Intestinal Juice .....  
..... HE Yanchun, MO Quiyu, HUANG Ruisong (497)  
Study on Quality Standard of Traditional Marine Chinese Medicine *Ipomoea pes-caprae* .....  
..... FENG Xiaohui, WEI Yanping, DENG Jiagang, et al. (503)  
Study on Quality Standard of *Bruguiera gymnorhiza* (Linn.) Savigny ... DU Chengzhi, MO Liuying, WEI Yiling, et al. (511)  
Study on TLC and HPLC of Arctigenin in Yao Medicine *Ipomoea cairica* (L.) Sw. .....  
..... LEI Peilin, HUANG Ruisong, LI Yaohua (517)  
HPLC Fingerprint Analysis of *Caryopteris incana* (Thunb.) Miq. from Guangxi .....  
..... ZHEN Dandan, HE Liuyan, MO Huanheng, et al. (522)  
Analysis of 15 Elements in Compound Licorice Oral Solution by ICP-MS ..... LI Zhiming, DENG Ming, LU Rigang (527)  
Determination of 20 Kinds of Organochlorine Pesticide Residues in Chinese Dispensing Granules by GC-ECD .....  
..... BAI Guichang, LV Yifeng, LUO Yi, et al. (532)  
Simultaneous Determination of Four Components in Waiganfengsha Granule by HPLC .....  
..... LIU Wen, GUO Haijiao, LIU Jinbao, et al. (539)

Determination of the Related Substances in Phenprobamate and Its Tablets by HPLC .....	..... LIANG Qiuxia, LIU Zhuangwei, YANG Xinzhi, et al. (543)
Analysis of the Fat-soluble Components in <i>Prismatomeris connata</i> Y. Z. Ruan by GC-MS .....	..... YANG Haichuan, HUANG Rongsheng, ZHANG Ying, et al. (549)
Study on Lipase Inhibitory Activity and Mechanisms of Six Kinds of Chinese Medicine Monomers .....	..... LI Zida, ZHANG Yuehua, HUANG Jianjun, et al. (555)
Safety Evaluation of Marine Chinese Medicine <i>Ipomoea pes-caprae</i> (Linn.) Sweet Based on Zebrafish Model .....	..... PAN Xianglong, HAO Erwei, XIE Jinling, et al. (560)
Spectrum-effect Relationship between HPLC Fingerprints and Antifatigue Function of <i>Dendrobium officinale</i> .....	..... XIE Tanggui, CHEN Jingmin, LAN Baoqiang, et al. (569)
The Extracts from Leaf of <i>Ambroma augustum</i> Inhibit the Activity of Alpha-glucosidase and the Chemical Constitution Study .....	..... HU Ying, CHEN Lu, JIANG Caihua, et al. (577)
Anti-fatigue Effect of the Extract of <i>Polyrhachis vicina</i> Roger and Ostreagigastnunb in Mice .....	..... LI Pin, WEI Guining, LI Dongmei, et al. (583)
Prescription Optimization of Shuangganqingyan Tablet by Central Composite Design-Response Surface Methodology .....	..... HUANG Yun, LI Xuejian, HU Wenji, et al. (588)

## No. 6(December 2019)

### Review

Advances in Study of Beibu Gulf Circulation .....	..... CHEN Bo, SHI Maochong (595)
Review on the Research of Coastal Erosion, Protection and Restoration .....	..... JI Xuekuan, LIN Zhenliang, YAN Youxi, et al. (604)

### Experiment

Study on the Distribution Rule of Ecological and Environmental Elements in Beibu Gulf in Summer of 2007 .....	..... SHI Maochong, CHEN Yanyu, CHEN Bo, et al. (614)
Storm Jet and Water Level Fluctuations Induced by Typhoon Nesat in Guangxi Coastal Area .....	..... CHEN Bo, ZHU Donglin, YA Hanzheng, et al. (626)
Comparative Study on the Performance of Estuarine and Coastal Model Verification Methods .....	..... LI Yichun, LIN Zhenliang, LI Qing (634)
Northwest South China Sea Circulation Based on HYCOM Simulation .....	..... ZHU Donglin, CHEN Bo, TANG Shengquan (641)
Study on the Influence of Summer Wave on Water Exchange Capacity in Qinzhou Bay of China .....	..... CAO Xuefeng, CHEN Bo, XING Chuanxi, et al. (647)
Study on the Coupled Numerical Simulation of Storm Surge and Wind Wave in Beibu Gulf .....	..... ZHANG Min, MI Jie, ZHAO Zhenyu, et al. (655)
Analysis of the Variation Characteristics of Tropical Cyclones Affecting Beibu Gulf between 1980 and 2015 .....	..... QIAO Shouwen, BIAN Zhigang, SUI Yi, et al. (663)
Study on Numerical Simulation of Pollutant Transport in Guangxi Coastal Waters .....	..... ZHU Donglin, CHEN Bo, YA Hanzheng, et al. (669)
Development and Application of Guangxi Offshore Oil Spill Emergency Prediction System .....	..... YA Hanzheng, DONG Dexin, ZHU Donglin, et al. (676)
Analysis of Environmental Factors Affecting the Stability of Tidal Inlet in Beilun Estuary .....	..... RAN Juan, DONG Dexin, LI Yichun, et al. (683)
Analysis of Tidal Current Characteristics in the East Coastal Area of Leizhou Peninsula .....	..... YANG Zhengqing, LIU Zhenyu, LI Shuangwei, et al. (690)