

目 次

海岛与海岸植物研究 专栏

- 日周期光热干露胁迫对泰来草生理特性的影响 李照阳, 史云峰, 蔡嘉丽, 赵牧秋, 史志强, 罗慧珏, 韩秋影(1965)
海岸草本植物细根、叶片功能性状及其与土壤因子的关系 周友秀, 杨桂梅, 秦子博, 杨钰华, 江燕东, 黄柳菁(1975)
滇西北纳帕海湖滨带优势植物茭草茎解剖结构对模拟增温的响应 陈弘毅, 孙梅, 刘振亚, 班启堂, 韦家共, 卢汉云, 杨航美(1986)
茅尾海红树根际土壤可培养细菌多样性及抑菌活性研究 李王靖, 李蜜, 徐淑芬, 黎芳婷, 易湘茜, 刘永宏, 高程海(1999)
桃叶珊瑚属植物的叶绿体基因组结构特征及系统发育分析 李娟, 童家贊, 范智超, 童毅(2008)
药用红树木榄胚轴抗HBV化学成分的研究 梁考云, 候师师, 高程海, 刘永宏, 易湘茜(2024)
桐花树活性内生真菌筛选及其抗菌化学成分的研究 罗志宏, 依旺的, 邢楠楠, 刘永宏, 高程海, 夏辰曦, 陈显强(2033)

遗传与育种

- 西南地区六种魔芋属植物基于cpDNA序列的遗传多样性研究 殷斯, 郝转, 陆飞东, 高永(2042)
水涝胁迫下辣椒转录组特征分析及EST-SSR标记开发 田怀志, 郭豪, 田浩, 熊兴伟, 张素勤, 耿广东(2052)
西南地区野生刺梨的遗传多样性和遗传结构研究 吴诗琪, 潘凤, 赵财(2065)
多花黄精种子萌发前后基因表达特征分析 刘保财, 陈菁瑛, 张武君, 刘剑超, 黄颖桢, 赵云青, 刘红跃(2078)
20个赤苍藤种质资源表型性状的遗传多样性分析及综合评价 马道承, 杨有兴, 陈文浪, 万秀勇, 潘淑民, 文国荣, 王凌晖(2091)

植物化学与化学生物学

- 大花地不容块根生物碱成分的研究 孙国峰, 陈封政, 田冲, 成英, 李书华(2106)
大萼香茶菜中的二萜化学成分研究 常燕玲, 梁晓琴, 黄艳, 潘立卫, 侯萍, 任晨阳, 李俊(2113)
刺梨多糖提取物对小鼠II型糖尿病的干预研究 伍勇, 韦艾骥, 杨堃, 李金桂, 董思思, 刘大利, 侯春兰, 刘红玲, 程驰, 薛飞龙, 刘松青(2120)
牛尾菜HPLC指纹图谱及抗氧化活性谱效关系研究 谭小青, 胡筱希, 唐红珍, 梁臣艳, 覃喜军, 刘振杰(2131)
烟管头草的化学成分及其体外抗白血病活性研究 冯树慧, 晏晨, 张卫青, 梁伟, 李艳梅, 韦学耐, 饶青, 马四补(2139)
蛇含委陵菜的化学成分及抗炎活性研究 张宝, 刘佳, 匡维米, 蒋礼, 李勇军, 李悦(2149)

综述

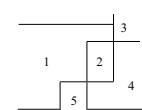
- 植物凝集素类受体激酶参与非生物胁迫响应的研究进展 王梦龙, 骆素微, 李晓诗, 彭小群(2159)

责任编辑	蒋巧媛	周翠鸣	邓斯丽	李莉	王登惠
责任校对	周翠鸣	邓斯丽	李莉	蒋巧媛	王登惠
英文编辑/校对	李莉	蒋巧媛	周翠鸣	邓斯丽	王登惠
封面/版式设计	邓斯丽	李莉	蒋巧媛	周翠鸣	王登惠

期刊基本参数: CN 45-1134/Q * 1981 * m * A4 * 205 * zh+en * P * ¥ 45.00 * 1200 * 19 * 2023-11

封面说明: 魔芋属(*Amorphophallus*)是天南星科多年生草本植物, 全球分布约200种, 我国约有20种。魔芋作为药用植物及食物, 在我国有超过两千年的栽培和利用历史。野生资源对品种改良具有重要价值, 采用cpDNA片段对我国西南地区6种魔芋属植物的野生群体进行遗传多样性及种间系统发育分析, 为魔芋野生资源的利用及保护提供了指导。

照片示: 1. 花魔芋的果实; 2. 东京魔芋; 3. 珠芽魔芋; 4. 东亚魔芋的果实; 5. 滇魔芋。封面照片由高永、殷斯提供。相关内容详见本期正文2042~2051页殷斯等的文章。



CONTENTS

Special Column: Island and Coastal Plant Research

- Effects of diurnal periodic photothermal desiccation stress on physiological characteristics of *Thalassia hemprichii* LI Zhaoyang, SHI Yunfen, CAI Jiali, ZHAO Muqiu, SHI Zhiqiang, LUO Huijue, HAN Qiuying(1965)
 Fine root and leaf functional traits of coastal herbs and their relationship with soil factors ZHOU Youxiu, YANG Guimei, QIN Zibo, YANG Yuhua, JIANG Yandong, HUANG Liujing(1975)
 Responses of stem anatomical structure of a lakeside dominant plant *Zizania latifolia* to simulated warming in Napahai wetland of Northwestern Yunnan CHEN Hongyi, SUN Mei, LIU Zhenya, BAN Qitang, WEI Jiagong, LU hanyun, YANG Hangmei(1986)
 Research of antibacterial activity and culturable bacteria isolate from mangrove rhizosphere soil in Maowei Sea LI Wangjing, LI Mi, XU Shufen, LI Fangting, YI Xiangxi, LIU Yonghong, GAO Chenghai(1999)
 Chloroplast genome structure characteristics and phylogenetic analysis of genus *Aucuba* LI Juan, TONG Jiayun, FAN Zhichao, TONG Yi(2008)
 Anti-HBV chemical constituents from the hypocotyl of pharmaceutical mangrove *Bruguiera gymnorhiza* LIANG Kaoyun, HOU Shishi, GAO Chenghai, LIU Yonghong, YI Xiangxi(2024)
 Screening of active endophytic fungi derived from *Aegiceras corniculatum* and their antibacterial chemical constituents LUO Zhihong, YI Wangdi, XING Nannan, LIU Yonghong, GAO Chenghai, XIA Chenxi, CHEN Xianqiang(2033)

Genetics and Breeding

- Genetic diversity of six *Amorphophallus* species in Southwest China based on cpDNA sequences YIN Si, HAO Zhuan, LU Feidong, GAO Yong(2042)
 Transcriptome characteristic analysis and EST-SSR marker development of *Capsicum annuum* under waterlogging stress TIAN Huaizhi, GUO Hao, TIAN Hao, XIONG Xingwei, ZHANG Suqin, GENG Guangdong(2052)
 Genetic diversity and structure of wild *Rosa roxburghii* in Southwest China WU Shiqi, PAN Feng, ZHAO Cai(2065)
 Analysis of gene expression characteristics before and after seed germination of *Polygonatum cyrtonema* LIU Baocai, CHEN Jingying, ZHANG Wujun, LIU Jianchao, HUANG Yingzhen, ZHAO Yunqing, LIU Hongyue(2078)
 Genetic diversity analysis and comprehensive evaluation of phenotypic characters in 20 germplasm resources of *Erythropalum scandens* MA Daocheng, YANG Youxing, CHEN Wenlang, WAN Xiuyong, PAN Shumin, WEN Guorong, WANG Linghui(2091)

Phytochemistry and Chemicobiology

- Isolation and identification of the alkaloids from rhizomes of *Stephania macrantha* SUN Guofeng, CHEN Fengzheng, TIAN Chong, CHENG Ying, LI Shuhua(2106)
 Diterpenoids from the aerial parts of *Isodon macrocalyx* CHANG Yanling, LIANG Xiaoqin, HUANG Yan, PAN Liwei, HOU Ping, REN Chenyang, LI Jun(2113)
 Intervention study of *Rosa roxburghii* polysaccharide extracts on Type II diabetes in mice WU Yong, WEI Aiji, YANG Kun, LI Jingui, DONG Sisi, LIU Dali, HOU Chunlan, LIU Hongling, CHENG Chi, XUE Feilong, LIU Songqing(2120)
 Correlation analysis between HPLC fingerprint of *Smilax riparia* and antioxidant activity TAN Xiaoqing, HU Xiaoxi, TANG Hongzhen, LIANG Chenyan, QIN Xijun, LIU Zhenjie(2131)
 Chemical constituents from *Carpesium cernuum* and their anti-leukemia activities *in vitro* FENG Shuhui, YAN Chen, ZHANG Weiqing, LIANG Wei, LI Yanmei, WEI Xuenai, RAO Qing, MA Sibu(2139)
 Chemical constituents from *Potentilla kleiniana* and their anti-inflammatory activities ZHANG Bao, LIU Jia, KUANG Weimi, JIANG Li, LI Yongjun, LI Yue(2149)

Review

- Research advances on plant lectin receptor-like kinases in abiotic stress response WANG Menglong, LUO Suwei, LI Xiaoshi, PENG Xiaoqun(2159)

Cover images: 1. Fruits of *Amorphophallus konjac*; 2. *A. tonkinensis*; 3. *A. bulbifer*; 4. Fruits of *A. kiusianus*; 5. *A. yunnanensis*. Cover images are provided by GAO Yong and YIN Si. For details, please see the text by YIN Si et al. on pages 2042–2051.

