

目次

喀斯特(岩溶/天坑)植物研究 专刊

广西喀斯特地区毛唇芋兰根内与根际土壤真菌群落组成分析 谭小明, 杨鑫凤, 孙雪萍, 周雅琴, 胡世一, 袁长格, 石忠衡(405)

喀斯特季节性雨林优势树种叶片微形态与光合生理特征及其生态适应性 董燕平, 王斌, 韦玉莲, 何凤, 陆芳, 李冬兴, 黄甫昭, 郭屹立, 向悟生, 李先琨(415)

濒危喀斯特专性植物蚬木在中国的潜在适生区预测 韦玉莲, 王斌, 李冬兴, 陆芳, 黄甫昭, 李健星, 何凤, 向悟生, 陈婷, 李先琨(429)

石灰土和酸性土生境下金花茶组植物叶片钙形态差异 朱显亮, 唐健民, 陶英, 秦惠珍, 刘可慧, 韦霄, 柴胜丰(442)

桂北喀斯特石漠化地区不同植物群落土壤种子库特征及其与土壤养分关系 李佳奇, 李雨菲, 王晓静, 李健星, 文淑均, 黄甫昭, 谭艳芳, 陆树华, 陆芳, 陈婷, 郭屹立(452)

茂兰喀斯特森林不同演替阶段植物叶片功能性状与土壤因子的关系 吴陶红, 龙翠玲, 熊玲, 李娟, 刘奇(463)

地形因子对FAST周边喀斯特植物多样性及空间分布的影响 张婷, 张建利, 杨涛, 张晨, 溥丽华, 赵卫权(473)

黔中天龙山典型喀斯特次生林地上生物量与环境因子的关系 叶天木, 容丽, 王梦洁, 李璇, 杨文松, 王琪(484)

神木天坑不同小生境木本植物叶功能性状的差异与关联 余林兰, 罗奕杏, 薛跃规, 安小菲, 黄贵, 刘昕宇, 陈铭(494)

广西天坑森林物种多样性与土壤酶活性和养分的关系 安小菲, 余林兰, 陈铭, 刘昕宇, 黄贵, 黄林娟, 薛跃规(504)

蒜头果不同部位的营养成分分析 杨一山, 唐健民, 孙菲菲, 秦惠珍, 蒋运生, 韦霄, 邹蓉(515)

桂林岩溶石山青冈优势种群空间分布格局及关联分析 盘远方, 卓文花, 姜勇, 梁士楚, 李丽香(527)

桂西南岩溶区八种适生植物光合性状的变异与关联 庞世龙, 欧芷阳, 叶斯进, 吴梓源, 中文辉, 何峰, 陆国导(536)

丛枝菌根真菌感染率对喀斯特坡地坡位与灌木物种的响应 陈美凤, 王忠诚, 蒋南南, 郑生猛, 胡亚军, 陈香碧, 何寻阳(547)

广西被子植物新资料 李雄, 李满, 吴望辉, 覃永华, 罗开文, 王双玲(557)

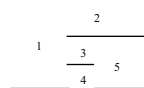
普定喀斯特次生林木本植物叶生活型比例和谱系多样性的驱动因素 毛艳娇, 肖梓波, 邓伟, 张潮, 汤晓辛, 金毅(569)

岩黄连种子萌发特性研究 潘燕林, 郭伦发, 王新桂, 张怡彬, 秦洪波(580)

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

期刊基本参数: CN 45-1134/Q * 1981 * m * A4 * 182 * zh+en * P * ¥45.00 * 1200 * 17 * 2023-3

封面说明: 在桂西南喀斯特季节性雨林中, 包含大量喀斯特专性植物和典型热带性植物。为适应喀斯特峰丛洼地地貌不同生境条件, 植物生长在不同地貌部位, 植物的叶片结构、生理功能、生态习性等具有规律性差异。山顶区域优势种为毛叶铁榄、黄梨木(*Boniodendron minus*)等喀斯特专性植物, 乔木树种相对矮小, 具耐旱性; 中坡区域优势种为金丝李、蚬木(*Excentrodendron tonkinense*)等热带喀斯特标志植物, 植物根系发达, 具有在岩石缝隙扎根生长的特性; 洼地区域优势种为中国无忧花、望天树(*Parashorea chinensis*)等典型热带区系植物, 乔木树种高大, 具喜湿热等热带雨林植物特征。
照片示: 广西弄岗喀斯特季节性雨林3种典型植物。1. 金丝李; 2. 中国无忧花; 3. 金丝李的花; 4. 中国无忧花的花; 5. 毛叶铁榄。封面照片由王斌、刘晟源提供。(相关内容详见本期正文415~428页董燕平等的文章。)



CONTENTS

Special Issue: Karst and Karst Tiankeng Plant Research

Analysis of fungal communities in roots and root-associated soil of *Nervilia fordii* from karst areas of Guangxi
 TAN Xiaoming, YANG Xinfeng, SUN Xueping, ZHOU Yaqin, HU Shiyi, YUAN Changge, SHI Zhongheng(405)

Leaf micromorphological, photosynthetic physiological characteristics and their ecological adaptability of dominant tree species
 in a karst seasonal rain forest in Guangxi, China DONG Yanping,
 WANG Bin, WEI Yulian, HE Feng, LU Fang, LI Dongxing, HUANG Fuzhao, GUO Yili, XIANG Wusheng, LI Xiankun(415)

Prediction of potential suitable areas for endangered karst obligate plant *Excentrodendron tonkinense* in China
 WEI Yulian, WANG Bin,
 LI Dongxing, LU Fang, HUANG Fuzhao, LI Jianxing, HE Feng, XIANG Wusheng, CHEN Ting, LI Xiankun(429)

Difference in calcium speciation in leaves of golden *Camellia* species from calcareous soil and acidic soil habitats
 ZHU Xianliang, TANG Jianmin, TAO Ying, QIN Huizhen, LIU Kehui, WEI Xiao, CHAI Shengfeng(442)

Characteristics of soil seed banks of different plant communities and their relationships with soil nutrients in karst
 desertification area, North Guangxi, China LI Jiaqi, LI Yufei, WANG Xiaojing,
 LI Jianxing, WEN Shujun, HUANG Fuzhao, TAN Yanfang, LU Shuhua, LU Fang, CHEN Ting, GUO Yili(452)

Relationship between plant leaf functional traits and soil factors at different succession stages in karst forest of Maolan
 WU Taohong, LONG Cuiling, XIONG Ling, LI Juan, LIU Qi(463)

Influence of topographic factors on plant diversity and spatial distribution of karst around FAST
 ZHANG Ting, ZHANG Jianli, YANG Tao, ZHANG Chen, PU Lihua, ZHAO Weiquan(473)

Relationship between aboveground biomass and environmental factors of typical karst secondary forest in Tianlong
 Mountain, central Guizhou ... YE Tianmu, RONG Li, WANG Mengjie, LI Xuan, YANG Wensong, WANG Qi(484)

Differences and correlations in leaf functional traits of woody plants in different microhabitats of Shenmu Tiankeng
 YU Linlan, LUO Yixing, XUE Yuegui, AN Xiaofei, HUANG Gui, LIU Xinyu, CHEN Ming(494)

Relationships among species diversity and soil enzyme activities and nutrient contents in tiangkeng forests, Guangxi
 AN Xiaofei, YU Linlan, CHEN Ming, LIU Xinyu, HUANG Gui, HUANG Linjuan, XUE Yuegui(504)

Analysis of nutritional components in different parts of *Malania oleifera*
 YANG Yishan, TANG Jianmin, SUN Feifei, QIN Huizhen, JIANG Yunsheng, WEI Xiao, ZOU Rong(515)

Spatial distribution pattern and correlation analysis of *Cyclobalanopsis glauca* dominant population in karst hills of Guilin
 PAN Yuanfang, ZHUO Wenhua, JIANG Yong, LIANG Shichu, LI Lixiang(527)

Variation and correlation of photosynthetic traits of eight adaptive plants in karst region of Southwest Guangxi
 PANG Shilong, OU Zhiyang, YE Sijin, WU Ziyuan, SHEN Wenhui, HE Feng, LU Guodao(536)

Responses of arbuscular mycorrhizal fungi colonization rate to slope position and shrub species in karst slopes
 CHEN Meifeng, WANG Zhongcheng, JIANG Nannan, ZHENG Shengmeng, HU Yajun, CHEN Xiangbi, HE Xunyang(547)

New records of angiosperms in Guangxi
 LI Xiong, LI Man, WU Wanghui, QIN Yonghua, LUO Kaiwen, WANG Shuangling(557)

Drivers of the leaf habit ratio and phylogenetic diversities of woody plants in the secondary karst forests in Puding, Guizhou
 MAO Yanjiao, XIAO Zibo, DENG Wei, ZHANG Chao, TANG Xiaoxin, JIN Yi(569)

Seed germination characteristics of *Corydalis saxicola*
 PAN Yanlin, GUO Lunfa, WANG Xingui, ZHANG Yibin, QIN Hongbo(580)

Cover images: Three species of typical plants in Guangxi Nonggang karst seasonal forest. **1.** *Garcinia paucinervis*; **2.** *Saraca dives*; **3.** A flower of the *Garcinia paucinervis*; **4.** A flower of the *Saraca dives*; **5.** *Sinosideroxylon pedunculatum* var. *pubifolium*. Cover images are provided by WANG Bin and LIU Shengyuan. For details, please see the text by DONG Yanping et al. on pages 415–428.

