

全国中文核心期刊  
中国精品科技期刊  
RCCSE中国核心学术期刊  
全国优秀农业科技期刊

# 福建林业科技

JOURNAL OF FUJIAN FORESTRY SCIENCE AND TECHNOLOGY

主管单位：福建省林业厅

主办单位：福建省林学会 福建省林业科学研究院

1  
2016

总第174期

ISSN1002-7351  
CN35-1136/S

ISSN 1002-7351



第43卷第1期 Vol.43 No.1  
2016年3月 Mar., 2016  
FUJIAN LINYE KEJI

## 目次

马尾松改造林分多样性及种子雨与土壤种子库 .....	王丽艳,刘光正,岳军伟,龙蔚,金洪平,杨桦(1)
基于 ITS 序列分析的部分榕属植物系统树构建 .....	李升星,陈家林,张太奎,贺笑,刘小珍,张汉尧(9)
东北 4 种人工林土壤碳代谢微生物多样性特征 .....	刘程丽,郭璇璇,牛涵,陈振宝,吴迪(14)
闽楠不同采种点苗期生长差异及遗传变异分析 .....	黄宇,李建民,范辉华,刘宝,姚湘民(20)
锥栗活性成分变异与果实性状相关分析 .....	朱思,邢建宏,牛广俊,王维华,梁一池(25)
施肥对毛竹根系酸性磷酸酶及氮代谢的影响 .....	朱强根,金爱武,娄艳华,罗静(30)
5 种木本花卉对高低温的耐受性 .....	李仕裕,木楠,袁晓初,郭亚男,于海玲,张永夏,王发国(35)
芳樟优良无性系叶精油主成分遗传稳定性分析 .....	黄秋良,张国防,张春,丁力朋,林必青(39)
不同品种金线莲氨基酸和多糖含量的比较研究 .....	魏翠华,谢宇,秦建彬,陈沁(43)
啮齿动物对模拟昆虫侵染种子的取食和扩散 .....	苗迎权,闫兴富,杜茜,周云锋,孙毅(46)
大田县银顶格铁矿废弃地植被恢复试验 .....	曾建新(53)
桉树福建柏混交造林效果分析 .....	李渊顺(57)
不同遮荫处理对擎天树幼苗生长的影响 .....	杜加加,梁机,陈月芳,马放中(61)
大小年毛竹林改造试验 .....	张德值(65)
七叶树和白玉兰种子休眠机理分析 .....	居萍,李良俊(68)
水热胁迫对 3 个树种苗期部分光合特性的影响 .....	彭辉,周红敏,林露花,陈焕伟,程小凯,叶建森,孙永玉(73)
金华市悬铃木星天牛的发生及药剂防治试验 .....	张荣庭,冯利宏,陈勇,施晓华,万里,王记祥(77)
沙柳组培技术初探 .....	敖敦,杨海峰,王雷,马月林(80)
杉木嫁接种子园快速成园技术 .....	欧斌,江军,楼浙辉,卢清华,欧述荣(84)
聚宝山郊野公园乔木层优势种群生态位特征 .....	吴颖莹,鲁小珍(89)
云南哈巴雪山生态系统时空变化分析 .....	杨凯悦,王一凯,李卓卿,周汝良(94)
海南宁远河流域生态脆弱性分析 .....	罗改改,陆禹,李明月,余济云,韦志飞(99)
鄱阳湖南矶湿地生态旅游承载力初探 .....	刘晓勇,王志(105)
一种适用于森林管理变量的并行模拟退火算法 .....	于慧伶,崔姗姗,陈广胜,范德林(110)
杨树云斑白条天牛的危害特点及空间分布 .....	李建庆,梅增霞(116)
海口市公园绿地景观格局及服务功能分析 .....	付晖,付广,许先升(120)

基于遥感的广东省桉树区域分布 .....	樊晶,杨燕琼,黄本胜(126)
海南省昌化江干流河岸带植物区系分析 .....	楚春晖,余济云,陈冬洋,关妙春(130)
<b>■工作研究与问题探讨</b>	
江西武夷山自然保护区药用植物资源调查 ...	刘勇,张琪,袁荣斌,林贵兵,徐艳琴(134)
福建君子峰国家级自然保护区观赏植物资源 .....	余迭生(139)
清镇市常绿阔叶林主导功能研究 .....	吴学卷,杜燕,孟伟(146)
福建省重点生态区位松材线虫病防控模式探讨 .....	王玲萍(151)
干热河谷木棉主要病虫害种类及防治建议 ...	高拓,马翔,李文琼,张博龙,伍建榕(155)
基于重庆主城区气候特点的大树移栽时间 .....	兰晓燕,易小林(162)
福建武夷山国家级自然保护区森林防火技术 .....	林盛,谢鹏,金昌善,徐自坤(166)
天目山保护区人为干扰分析及选址规划 .....	吴明珠,张昆(170)
城市河流河岸带的类型、干扰特征及恢复对策——以北京市温榆河为例 .....	郭二辉,常海荣,陈家林,杨喜田(175)
基于仿生设计的矿山废弃地景观再生探索——以霍林河露天矿区为例 .....	许家瑞,伍家民,董瑞云,许先升(182)
基于RMP分析的披云山景区生态养生旅游产品开发 .....	王震,张建国,石晗(189)
需求导向下的浙西南山区休闲农业园区规划——以文成县绿水尖休闲 农业园区规划为例 .....	庞赞,张建国,石晗(194)
南宁园博园城市展园驳岸植物调查 .....	陈丽华,唐世斌,韦明新(201)
森林公园养老综合体建设基本构架 .....	唐建兵,万春林(209)
基于近自然理念的风景林构建与实践——以东钱湖旅游度假区为例 .....	许滔山,史青茹,杨晓东,周刘丽,阎恩荣(215)
生态型居住区景观规划设计——以内蒙古金和枫景小区为例 .....	高群敬,王金刚,车代弟(221)
阳江市森林公园布局优化策略 .....	陈秋菊,陈盼(226)
北京市生态公益林保险补贴优化模式研究 .....	刘琨天,费晓敏(230)
近自然森林经营的复杂适应性探讨 .....	陈哲夫,肖化顺,陈端吕(234)
临安市雷竹林经营状况调查与分析 .....	张柯柯,沈振明,何均潮,朱伟,李国栋,林新春(239)
广东省乳源县油茶产业发展现状与对策 .....	黄立军(245)
三明市经营性野生动物驯养繁殖产业现状分析 .....	郭宁(249)
欢迎订阅2016年《福建林业科技》 .....	(244)

期刊基本参数:CN35-1136/S\*1974\*q\*A4\*252\*zh\*P\*¥15.00\*2500\*50\*2016-3

## 福建林业科技

Fujian Linye keji

(季刊 1974年创刊)

主管单位:福建省林业厅

主办单位:福建省林学会、福建省林业科学研究院

编辑出版:《福建林业科技》编辑部

本刊地址:福州市新店上赤桥35号

邮政编码:350012

联系电话:(0591)87911427

本刊网址:<http://fjlk.chinajournal.net.cn>

<http://fjlykj.periodicals.net.cn>

E-mail:linyeki@vip.tom.com 或 linyeki@163.net

主 编:李建民

副 主 编:叶功富 周新年 蒋家浚(常务)

责任编辑:许信玲

编 辑:林 政 罗彩莲 刘 寒

排版印刷:福州统济印务有限公司

邮发代号:34-34

订 价:15.00元

订 阅:全国各地邮政局(所)

海外总发行:中国国际图书贸易集团有限公司

国外发行代号:Q2621

国际标准刊号:ISSN1002-7351

国内统一刊号:CN35-1136/S

广告经营许可证:3500004000362

CONTENTS

Characteristic of Plant Diversity, Seed Rain and Soil Seed Banks on Low-efficiency *Pinus massoniana* Lamb. Transformation Forest ..... WANG Li-yan, et al(1)

Construction of Phylogenetic Tree Based on ITS Sequence Analysis of some *Ficus* Species ..... LI Sheng-xing, et al(9)

Research on the Characteristic of Soil Carbon-metabolic Microbial Diversity from the Northeast Four Plantation ..... LIU Cheng-li, et al(14)

Analysis of Seedling Growth Difference and Genetic Variation of *Phoebe bournei*(Hemsl. ) Yang in Different Seed Collecting Points ..... HUANG Yu, et al(20)

Correlation Between Active Ingredients Variation and Fruit Traits of *Castanea henryi* ..... ZHU Si, et al(25)

Effect of Fertilization on Root Acid Phosphatase and Nitrogen Metabolism of *Phyllostachys heterocycla* cv. Pubescens ..... ZHU Qiang-gen, et al(30)

Study on High and Low Temperature Tolerance of 5 Species Ornamental Trees ..... LI Shi-yu, et al(35)

The Genetic Stability of Main Compositions in Different Clones Leaves Essential Oil of *Cinnamomum camphora* ..... HUANG Qiu-liang, et al(39)

Comparative Study of Amino Acid and Polysaccharide Contents in Different Varieties of *Anoectochilus roxburghii* ..... WEI Cui-hua, et al(43)

Predation and Dispersal of Rodents on Damaged Seeds Simulated by Insect Infestation ..... MIAO Ying-quan, et al(46)

Effect of Vegetation Restoration Testing on Wastelands of Yingdingge Iron Mine of Datian County ..... ZENG Jian-xin(53)

Analysis on The Afforestation Effects of *Eucalyptus robusta* and *Fokienia hodginsii* Mixed Plantation ..... LI Yuan-shun(57)

Effects of Different Shade Treatments on the Seedling Growth of *Parashorea chinensis* ..... DU Jia-jia, et al(61)

DaXiaoNian Moso Bamboo Forest Transformation Test ..... ZHANG De-zhi(65)

Study on Dormancy Mechanism of Seeds of *Aesculus chinensis* and *Magnolia denudate* ..... JU Ping, et al(68)

Effects of High Temperature and Soil Water Stress on Photosynthetic Responses of Three Tree Species ..... PENG Hui, et al(73)

The Occurrence and Control Experiment of *Anoplophora chinensis* on *Platanus acerifolia* in Jinhua City ..... ZHANG Rong-ting, et al(77)

The Initial Exploration on Tissue culture of *Salix* ..... AO Dun, et al(80)

Study on the Technology of Fast Gardening of *Cunninghamia lanceolata* Grafting Seed Orchard ..... OU Bin, et al(84)

Niche Characteristics of Dominant Tree Species in the Jubao Mountain Suburb Park in Nanjing ..... WU Ying-ying, et al(89)

Spatial and Temporal Changes of Ecosystem in Haba Snow Mountain in Yunnan Province ..... YANG Kai-yue, et al(94)

The Ecological Vulnerability of Ningyuan River Basin in Hainan Province ..... LUO Gai-gai, et al(99)

Study on the Tourism Ecological Capacity Based on the Ecological Footprint Theory in Nanji Wetlands ..... LIU Xiao-yong, et al(105)

Research and Application of the Parallel Simulated Annealing Algorithm in Forest Management Variables ..... YU Hui-ling, et al(110)

Damage Characters and Spatial Distribution of Poplar *Batocera lineolata* ..... LI Jian-qing, et al(116)

Analyzing the Spatial Pattern and Social Service Function of Urban Park Green Space in Haikou City ..... FU Hui, et al(120)

The Research of Guangdong *Eucalyptus* Regional Distribution Based on Remote Sensing ..... FAN Jing, et al(126)

Flora Analysis of Riparian Vegetation in Main Stream of Changhua River ..... CHU Chun-hui, et al(130)

Study of Medicinal Plants Resources in Jiangxi Wuyi Mountain Nature Reserve ..... LIU Yong, et al(134)

The Gardening Plants Resources in Junzifeng Nature Reserve of Fujian ..... YU Die-sheng(139)

Study on the Leading Function of Evergreen Broad-leaved Forest in Qingzhen ..... WU Xue-juan, et al(146)

The Comprehensive Prevention and Control Mode of Pinewood Nematode in the Key Ecological Zones of Fujian Province ..... WANG Ling-ping(151)

Investigation on the Diseases and Pest Insects in *Bombax ceiba* in Dry-hot Valley ..... GAO Tuo, et al(155)

Study of Big-tree Transplanting Time Based on Chongqing Main City Zone Climate Characteristics ..... LAN Xiao-yan, et al(162)

Forest Fire Prevention Technology in Protected Natural Area of Wuyi Mountain ..... LIN Sheng, et al(166)

Analysis of Human Disturbances and Site Planning in Mount Tianmu Nature Reserve ..... WU Ming-zhu, et al(170)

The Types, Interference Characteristics and Recovery Measures of Urban River Riparian  
—A Case Study of Wenyu River, Beijing ..... GUO Er-hui, et al(175)

A Primary Research of Mining Wasteland Landscape Regeneration in the View of Bionic Design  
—A Case Study of Huolinhe Opencast Coal Mine ..... XU Jia-rui, et al(182)

Developing Eco-wellness Tourism Products in Piyunshan Scenic Area Based On RMP Analysis ..... WANG Zhen, et al(189)

The Demand-oriented Planning of Leisure Agriculture Parks in Southwest Mountainous Area of Zhejiang Province  
—A Case Study from Lvshuijian Leisure Agriculture Park in Wencheng County ..... PANG Zan, et al(194)

The Investigation and Analysis About the Application of Revetment Plants of City Exhibition Garden in Nanning Garden & Horticulture Expo Park ..... CHEN Li-hua, et al(201)

The Research on Basic Framework for Construction of Forest Park Endowment Complex ..... TANG Jian-bing, et al(209)

Design and Practical Research of Scenic Forest Based on the Near-natural Ecological Concept  
—A Case Study of Dong-Qian Lake Tourist Resort ..... XU Ming-shan, et al(215)

Rehabilitation Landscape of Ornamental Plant Landscape Design  
—Take Innen Mongolia Jinhefengjing Area as an Example ..... GAO Qun-jing, et al(221)

Study on the General Layout of Forest Parks in Yangjiang City ..... CHEN Qiu-ju, et al(226)

Beijing Ecological Public Welfare Forest Insurance Subsidies Optimization Model Research ..... LIU Kun-tian, et al(230)

Complex Adaptability of Near Natural Forest Management ..... CHEN Zhe-fu, et al(234)

The Investigation on Management of Lei Bamboo Forest in Lin'an ..... ZHANG Ke-ke, et al(239)

Development Status and Countermeasures of *Camellia oleifera* Industry in Ruyuan County Guangdong Province ..... HUANG Li-jun(245)

Analysis on the Status Quo of Operational Wildlife Domestication and Breeding Industry in Sanming City ..... GUO Ning(249)

## 《福建林业科技》第四届编辑委员会名单

名誉主任 俞新妥

主任 兰思仁

副主任 谢再钟 施季森 李建民

主编 李建民

副主编 叶功富 周新年 蒋家淡(常务)

委员 (按姓氏笔划为序, \*为常务委员)

万泉 马祥庆\* 叶功富\* 卢昌义 兰思仁\* 刘伟平 李建民\*

陈礼辉 陈国瑞 邱荣祖 杨玉盛 林庆源\* 杨宗武 周新年\*

施季森 俞新妥 高兆蔚 黄金水 谢再钟 董建文 蒋家淡\*

编辑部主任 蒋家淡

责任编辑 许信玲

编辑 林政 罗彩莲 刘寒