

中国科技核心期刊
中国林业核心期刊

ISSN 1671-3168
CN 53-1172/S

林业调查规划

FOREST INVENTORY AND PLANNING



第48卷 第3期
Vol.48 No.3

2023 3

云南省林业调查规划院
西南地区林业信息中心 主办

林业调查规划

第48卷 第3期

(总第255期)

2023年5月

目 次

●森林经理

- 基于ASD与Hyperion高光谱数据的主要针叶树种分类研究 胡振华 张乔艳(1)
4种绿化造林面积验收方法的比较研究 王奇,付卓新(7)
云南省岩溶地区石漠化土地动态变化研究 阮方佑,吴宁,安科,任晓东,彭正武,余正才(13)

●研究与探索

- 1992—2021年抚仙湖海口水生态环境指标COD_{Mn}变化趋势及影响因素研究 贺克雕(19)
不同处理方式对八角莽草酸和茴香油含量的影响 黄梦娇,符韵林(25)
义乌市建设用地空间格局变化及驱动力分析 虞献军,岁秀珍,朱忠军,陈浩(29)

●3S技术应用

- 基于GIS的洛阳市旅游度假区气候舒适度分析 冉晨(36)
基于GIS的澳洲坚果在云南适宜种植区划分研究 王翠华,文涌彬,任万竹(46)
北斗卫星定位系统在森林航空消防中的应用 刘晓曦(50)

●自然保护地

- 五道峡自然保护区锐齿槲栎群落物种组成与群落特征研究
..... 刘苗苗,邓正斌,李怀祥,任帅,祝文龙,汪正祥(53)
基于InVEST模型的北京市延庆区自然保护地生境质量评估 岳建兵,胡理乐(59)
广东省自然保护地破损山地现状及生态修复对策研究 李纪友,徐期瑚,朱宏伟(67)

●森林土壤

- 城市绿地土壤酸碱度特征分析 李超明,汪瑞军(72)
不同干扰类型下的白桦次生林土壤理化性质研究 于晓雨,铁牛,萨如拉,呼日查(78)

●森林保护

- 北京市杨树溃疡病病原真菌防治研究 李大瑞,贾刚,孙致源(85)
基于MaxEnt模型预测日本松干蚧在贵州省的潜在分布 周宇,陈波,周菁婧,陈春旭(92)
巍山县核桃蚜虫天敌优势种研究 谢青海,杨进波,易小光,字红军,杨月红,杨士达(97)

●森林资源管理

- 基于MapGIS的林业地理信息栅格图像数据矢量化方法 陈和彦,张礼娜,巫金明(101)
青海省格尔木市名木"将军树"价值评估 贾东瑾,任枫,刘翔宇(104)
桐梓县林地质量等级评定与合理利用分析 郑先容,江均其(109)

对曲靖市公益林生态效益补偿机制的思考 沈柳青,段薇,赵俊(115)

●森林动物

湛江市中澳友谊花园鸟类多样性研究 吴晓东,陈浩荣,罗雨薇(120)
基于红外相机的云南无量山国家级自然保护区南涧段野生动物调查 时国彩(126)

●生态建设

碳中和战略下林业碳汇引入生态修复司法之效能探究 晋海,刘新虎(130)
信息产业创新生态系统的测评与提升 刘静(137)
陕西省农业面源污染与农业经济发展关系实证研究 张益微,康健,张亚晴(143)

●森林经营

广西桉树林下植被抚育现状调查与分析

..... 王会利,何福英,陆星任,农慧,宋贤冲,苏寒,付军,覃鹏飞,曹继钊(148)
疏伐对促进红松果林生长与结实的影响研究 杨吉江,杨军,肖锐,杨凯(153)
罗定市林下经济发展模式与生态扶贫效益研究 叶剑锋,陆康英,刘喻娟,卢紫君(158)

●森林培育

大兴安岭不同冻土活动层对兴安落叶松生长和更新的影响 刘雅楠,铁牛,刘洋(162)
不同处理对神黄豆种子发芽的影响 保华,贺圆,管朝旭,黄键,马双陆,徐云红(169)
武定县湿加松引种试验初探 李春文(175)
云南红河州19个草品种适应性栽培试验 杨忠伟,普静和,李宏伟,胡永军,陈建功,傅涛,何汉凤(178)

●论坛

基于CiteSpace的《林业调查规划》期刊2018—2022年刊载文献的可视化研究 刘允杰,许易琦(182)
活立木市场交易价格影响因素研究 邓伟芬,蒋天久,陈明,林露花,吴联杯(188)
河南省园林花境竞赛及城市花境建设探析 梁文玉,孔德政(192)

●森林公园

场所精神在带状公园设计中的体现手法研究 卜其珍,苏维,王鑫(196)
云南章凤国家森林公园范围调整研究 罗怀秀,晁增华,陶晶,李泽,杨忠兴(202)
普达措国家公园森林生态系统服务价值评估与分析 赵玉堂(208)

●园林

洛阳市高架桥桥阴光照特征与绿化建议 王鑫,苏维,卜其珍,张鹏发(214)
黔南州传统村落植物景观营造研究 孙连群,黄雪雯,蒙彭帅(222)
人居语境下的历史园林植物景观保护与发展模式研究 施皓(227)
云南普洱黑地形地貌 张正友摄(封面)
高山流水 许易琦摄(封底)

Forest Inventory and Planning

Vol. 48 No. 3

(Sum No. 255)

May 2023

Contents

● Forest Management

Classification of Major Coniferous Tree Species Based on ASD and Hyperion Hyperspectral Data	HU Zhenhua, ZHANG Qiaoyan(1)
Comparative Analysis of Four Acceptance Methods for Afforestation Area	WANG Qi, FU Zhuoxin(7)
Dynamic Change of Rocky Desertification Land in Karst Area of Yunnan Province	RUAN Fangyou, WU Ning, AN Ke, REN Xiaodong, PENG Zhengwu, YU Zhengcai(13)

● Research and Exploration

Trend and Influence Factors of COD _{Mn} at Haikou Section of Fuxian Lake from 1992 to 2021	HE Kediao(19)
Effects of Different Treatment Methods on Contents of <i>Illicium verum</i> Shikimic Acid and Fennel Oil	HUANG Mengjiao, FU Yunlin(25)
Spatial Pattern Change and Driving Force of Construction Land in Yiwu City	YU Xianjun, SUI Xiuzhen, ZHU Zhongjun, CHEN Hao(29)

● 3S Technology Application

Climate Comfort Analysis of Luoyang Tourist Resort Based on GIS	RAN Chen(36)
Classification of Suitable Planting Areas for <i>Macadamia ternifolia</i> in Yunnan Based on GIS	WANG Cuihua, WEN Yongbin, REN Wanzhu(46)
Application of Beidou Satellite Positioning System in Aviation Forest Fire Protection	LIU Xiaoxi(50)

● Natural Protected Areas

Species Composition and Community Characteristics of <i>Quercus aliena</i> var. <i>acutiserrata</i> in Wudaoxia Nature Reserve	LIU Miaomiao, DENG Zhengbin, LI Huaiyang, REN Shuai, ZHU Wenlong, WANG Zhengxiang(53)
Assessment of Habitat Quality of Natural Protected Areas Based on InVEST Model in Yanqing District of Beijing	YUE Jianbing, HU Lile(59)
Current Situation and Ecological Restoration Countermeasures of Damaged Mountains in Natural Protected Areas of Guangdong Province	LI Jiyou, XU Qihu, ZHU Hongwei(67)

● Forest Soil

Characteristics of Soil pH in Urban Green Spaces	LI Chaoming, WANG Ruijun(72)
Soil Physical and Chemical Properties of <i>Betula platyphylla</i> Secondary Forest under Different Disturbance Types	YU Xiaoyu, TIE Niu, SA Rula, HU Richa(78)

● Forest Conservation

Pathogenic Fungi Prevention and Control of Poplar Canker Disease in Beijing	LI Darui, JIA Gang, SUN Zhiyuan(85)
Potential Distribution of <i>Matsucoccus matsumurae</i> in Guizhou Based on MaxEnt Model	ZHOU Yu, CHEN Bo, ZHOU Jingjing, CHEN Chunxu(92)
Dominant Species of Natural Enemies of Aphid Damaged on <i>Juglans sigillata</i> in Weishan County	XIE Qinghai, YANG Jinbo, YI Xiaoguang, ZI Hongjun, YANG Yuehong, YANG Shida(97)

● Forest Resource Management

Vectorization Technology of Forestry Geographic Information Raster Image Data Based on MapGIS	CHEN Heyan, ZHANG Lina, WU Jinming(101)
Value Evaluation of Famous Wood "General Tree" in Golmud City of Qinghai Province	JIA Dongjin, REN Feng, LIU Xiangyu(104)
Assessment and Reasonable Utilization of Forest Land Quality Grade in Tongzi County	ZHENG Xianrong, JIANG Junqi(109)

- Ecological Benefit Compensation Mechanism of Public Welfare Forest in Qujing City SHEN Liuqing, DUAN Wei, ZHAO Jun(115)

●Forest Animal

- Bird Diversity of Sino-Australian Friendship Garden in Zhanjiang WU Xiaodong, CHEN Haorong, LUO Yuwei (120)
Investigation of Wildlife Species in Nanjian Section of Yunnan Wuliangshan National Nature Reserve Based on Infrared Camera SHI Guocai(126)

●Ecological Construction

- Effectiveness of Forestry Carbon Sinks in Introduction of Ecological Restoration Justice under Carbon Neutral Strategy JIN Hai, LIU Xinhua(130)
Evaluation and Improvement of Information Industry Innovation Ecosystem LIU Jing(137)
Empirical Study on Relationship between Agricultural Non-point Source Pollution and Agricultural Economic Development in Shaanxi Province ZHANG Hejing, KANG Jian,ZHANG Yaqing(143)

●Forest Operation

- Present Situation Investigation and Analysis of Understory Vegetation Management of *Eucalyptus* Plantation in Guangxi WANG Huili, HE Fuying, LU Xingren, NONG Hui, SONG Xianchong, SU Han, FU Jun, QIN Pengfei,CAO Jizhao(148)
Effect of Thinning on Promoting the Growth and Fruiting of *Pinus koraiensis* Fruit Forest YANG Jijiang, YANG Jun, XIAO Rui, YANG Kai(153)
Under-forest Economy Development Mode and Benefit Analysis of Ecological Poverty Alleviation in Luoding City YE Jianfeng, LU Kangying, LIU Yujuan, LU Zijun(158)

●Forest Cultivation

- Effects of Different Permafrost Active Layers on Growth and Regeneration of *Larix gmelinii* LIU Yanan, TIE Niu, LIU Yang(162)
Effects of Different Treatments on Seed Germination of *Cassia agnes* BAO Hua, HE Yuan, GUAN Chaoxu, HUANG Jian,MA Shuanglu, XU Yunhong(169)
Preliminary Study on Introduction Experiment of *Pinus elliotii* × *P. caribaea* in Wuding County LI Chunwen(175)
Adaptable Cultivation Experiment of 19 Grass Varieties in Honghe Prefecture of Yunnan Province YANG Zhongwei, PU Jinghe, LI Hongwei, HU Yongjun, CHEN Jiangong, FU Tao, HE Hanfeng(178)

●Forum

- Visual Study of Literature Published in *Forest Inventory and Planning* from 2018 to 2022 Based on CiteSpace LIU Yunjie, XU Yiqi(182)
Factors Affecting Transaction Price of Living Timber Market DENG Weifen, JIANG Tianjiu, CHEN Ming, LIN Luhua, WU Lianbei(188)
Garden Flower Border Competition and Urban Flower Border Construction in Henan LIANG Wenyu,KONG Dezheng(192)

●Forest Park

- Embodiment Techniques of Place Spirit in Design of Linear Parks BU Qizhen, SU Wei, WANG Xin(196)
Scope Adjustment of Zhangfeng National Forest Park in Yunnan Province LUO Huaixiu, CHAO Zhenghua, TAO Jing, LI Ze, YANG Zhongxing(202)
Evaluation and Analysis of Forest Ecosystem Services Value in Pudacuo National Park ZHAO Yutang(208)

●Landscape Architecture

- Light Characteristics and Greening Suggestions under Viaduct in Luoyang City WANG Xin, SU Wei,BU Qizhen,ZHANG Pengfa(214)
Construction of Plant Landscape in Traditional Villages of Qiannan Prefecture SUN Lianqun, HUANG Xuewen, MENG Pengshuai(222)
Protection and Development Model of Historical Garden Plant Landscape in Residential Context SHI Hao(227)
Terrain and Landform of Puzhehei in Yunnan Photographed by ZHANG Zhengyou (Front Cover)
Lofty Mountains and Flowing Water Photographed by XU Yiqi(Back Cover)



2009年第三届云南期刊奖评选中荣获“优秀期刊奖”

2012年第四届云南期刊奖评选中荣获“优秀期刊奖”

2022年度“西牛计划”之“优秀中文科技期刊”



高山流水

国内定价：20.00元（全年120.00元）
Price(abroad): 5.00 dollars(30.00 dollars yearly)

广告经营许可证号：5300004000093

ISSN 1671-3168

0.5>

9 771671 316233