

目 次

· 和美乡村建设与乡村空间治理专题 ·

中国和美乡村建设的理论与实践——乡村场景价值理论的视角	杨庆媛, 王愈滋, 杨人豪, 苏康传, 王笛, 孙朝辉 (002)
基于案例推理的村庄产业发展路径智能推荐系统研究	周滔, 王晨曦, 任茂辉 (016)
三生“空间—功能”耦合视角下村庄分类与规划策略研究——以重庆市巴南区为例	刘燕, 邓德凡, 何汇域, 何星, 曹伟 (029)
耕地利用隐性形态耦合协调及驱动力研究——以重庆市为例	刘家欣, 杨庆媛, 苏康传, 黄雅, 李瑶 (041)
西南丘陵山区宜居宜业和美乡村示范村遴选——以重庆市首批示范创建村为例	程贵山, 王成, 豆浩健, 王政霖, 李让恩 (058)

· 农业与生命科学 ·

土地利用方式对紫色土全程及半程氨氧化微生物的影响	石秀丽, 马瑞, 蒋先军 (070)
不同超微粉碎强度对甘薯全粉特性的影响	杨世雄, 高飞虎, 张玲, 李雪, 张雪梅, 张欢欢, 梁叶星, 陈贵婷, 谭兆涛 (080)
5 省份西瓜特征元素营养水平的分析与评价	王晓婷, 沈琦, 勿吉斯古冷, 康琪, 盘菊秀, 何伟忠, 王成 (090)
灰葡萄孢菌对二甲酰亚胺类杀菌剂抗性的 AS-PCR 快速检测技术	刘梦晴, 屠紫娟, 余洋, 杨宇衡, 方安菲, 田斌年, 王静, 毕朝位 (101)
利用基因组测序技术鉴定家蚕转基因位点方法的建立	周昂, 蒋晶晶, 左伟东, 陈欣, 童晓玲, 代方银, 李春林 (113)

· 经济研究 ·

河南省乡村旅游与休闲农产品产业协同发展的研究	文凤平 (123)
基于协同发展理论的旅游经济与农村城镇化设施互动机理研究	邓振锋 (134)
乡村旅游与农村经济发展协同效应研究	文平, 陈宁 (143)

· 地球与环境科学 ·

山地城市康养旅游资源评价体系构建及分析——以渝东北三峡库区城镇群为例	杨明兴, 叶勤玉, 张继, 杨世琦, 何军 (153)
填埋场周边土壤重金属时空分布及污染评价	詹明晔, 孙言秋, 周涛, 刘小婷, 廖瑜亮, 曹军, 黎鹏, 蓝焕杰, 杨林, 杨黎, 赵由才 (167)
界面反应及生物炭添加对矿物胶体凝聚的影响	吴文菲, 赵大地, 吕润泽, 张一炜, 田锐 (180)

· 工程与信息技术 ·

基于改进 YOLOv8 的蚕茧种类检测算法	唐茂杰, 石洪康, 祝诗平, 田丁伊, 邹佳岐, 张越, 赵虎 (193)
一种全局空间特征提取的深度网络高光谱解混方法	苏谦, 范永胜, 桑彬彬, 徐敏靖 (204)
基于柑橘果树冠层结构信息的自适应喷药系统设计与研究	蔡宗平, 李光林 (215)
基于模糊隶属度的最优间隔分布矩阵分类器	江山, 杨金瑞, 武士裕, 张里博, 杨帆 (230)

JOURNAL OF SOUTHWEST UNIVERSITY

(NATURAL SCIENCE EDITION)

Vol. 47 No. 4

Total No. 364

Apr. 20, 2025

CONTENTS

Theory and Practice of Harmonious and Beautiful Village Development in China

—From the Perspective of Rural Scenario Value Theory YANG Qingyuan,

WANG Yuzi, YANG Renhao, SU Kangchuan, WANG Di, SUN Zhaohui (002)

Study on Intelligent Recommendation System for Village Industrial Development

Pathways Based on Case-Based Reasoning ZHOU Tao, WANG Chenxi, REN Maohui (016)

Study on Village Classification and Planning Strategy from Coupling Perspective of

“Production-Living-Ecology” “Space-Function”—A Case Study of

Banan District of Chongqing ... LIU Yan, DENG Defan, HE Huiyu, HE Xing, CAO Wei (029)

Coupling Coordination and Driving Forces of the Recessive Morphology of

Cultivated Land Use —A Case Study of Chongqing LIU Jiaxin,

YANG Qingyuan, SU Kangchuan, HUANG Ya, LI Yao (041)

Study on the Selection of Demonstration Villages in Hilly and Mountainous Areas of

Southwest China for Livable, Workable and Harmonious Villages

—Taking the First Batch of Demonstration Villages in

Chongqing as an Example CHENG Guishan,

WANG Cheng, DOU Haojian, WANG Zhenglin, LI Rang'en (058)

Effects of Land Use Patterns on Complete and Incomplete Ammonia

Oxidizer of Purple Soil SHI Xiuli, MA Rui, JIANG Xianjun (070)

The Effect of Different Ultrafine Grinding Intensities on the Characteristics of

Sweetpotato Flour YANG Shixiong, GAO Feihu, ZHANG Ling, LI Xue,

ZHANG Xuemei, ZHANG Huanhuan, LIANG Yexing, CHEN Guiting, TAN Zhaotao (080)

Analysis and Evaluation of Nutritional Levels of Characteristic Elements of

Watermelons from 5 Provinces WANG Xiaoting, SHEN Qi,

Wujisiguleng, KANG Qi, PAN Juxiu, HE Weizhong, WANG Cheng (090)

Rapid Detection of the Resistance of *Botrytis cinerea* to Dicarboximide

Fungicides by AS-PCR LIU Mengqing, TU Zijuan, YU Yang,
YANG Yuheng, FANG Anfei, TIAN Binnian, WANG Jing, BI Chaowei (101)

Establishment of A Genome Sequencing Method for Identification of Transgenic

Sites in Silkworm ZHOU Ang, JIANG Jingjing,
ZUO Weidong, CHEN Xin, TONG Xiaoling, DAI Fangyin, LI Chunlin (113)

Research on the Collaborative Development of Rural Tourism and Leisure

Agricultural Products WEN Fengping (123)

Research on the Interaction Mechanism Between Tourism Economy and

Rural Urbanization Facilities Based on Synergistic Development Theory DENG Zhenfeng (134)

Research on the Synergistic Effect of Rural Tourism and Rural

Economic Development WEN Ping, CHEN Ning (143)

Construction and Analysis of Evaluation System for Mountainous Urban

Health Tourism Resources ——A Case Study of Urban Cluster in the
Northeast of the Three Gorges Reservoir Area in Chongqing YANG Mingxing,
YE qinyu, ZHANG Ji, YANG Shiqi, HE Jun (153)

Spatial-Temporal Distribution and Contamination Assessment of Heavy Metals in the

Soil Around Landfills ZHAN Mingye, SUN Yanqiu,
ZHOU Tao, LIU Xiaoting, LIAO Yuliang, CAO Jun,
LI Peng, LAN Huanjie, YANG Lin, YANG Li, ZHAO Youcai (167)

Study on the Influence of Ionic Interface Reaction and Biochar Addition on

Mineral Colloid Aggregation WU Wenfei,
ZHAO Dadi, LYU Runze, ZHANG Yiwei, TIAN Rui (180)

Cocoon Species Detection Algorithm Based on Improved YOLOv8 TANG Maojie,

SHI Hongkang, ZHU Shiping, TIAN Dingyi, ZOU Jiaqi, ZHANG Yue, ZHAO Hu (193)

A Deep Network Hyperspectral Unmixing Method with Global Spatial

Feature Extraction SU Qian, FAN Yongsheng, SANG Binbin, XU Minjing (204)

Design and Research of a Self-Adaptive Spraying System Based on Citrus Tree

Canopy Structure Information CAI Zongping, LI Guanglin (215)

Optimal-margin Distribution Matrix Classifier Based on Fuzzy Membership JIANG Shan,

YANG Jinrui, WU Shiyu, ZHANG Libo, YANG Fan (230)