

农业工程

AGRICULTURAL ENGINEERING

2022年 第12卷 第12期 (总第112期)

目次

装备与机械化

- 山东省丹参生产机械化现状及发展建议 陈明东 姚文彬 连政国 (5)
- 草莓开沟起垄机对比试验 张莉 李震 刘京蕊 李传友 滕飞 李志强 张岚 (10)

信息与电气化

- 农机收获作业参数化路径生成方法 周达 (13)
- 基于近红外光谱的土壤氮含量模型及生物炭对土壤光谱的影响
..... 马玮键 邢泽炳 韩春风 桑梓繁 尚恺霖 李宇航 (22)
- 北京市设施农业产业智慧监管和服务体系建设与应用
..... 芦天罡 张辉鑫 唐朝 王剑 王彩虹 王晓丽 邸小康 (28)

生物环境与能源

- 外加铵态氮对不同年限茶园土壤 N_2O 排放的影响 王峰 杜丽君 唐燃 黄晓珊 吴波 吴菊香 (34)
- 不同光周期处理对大麦苗生长的影响 孙科龙 余秋明 聂维凡 魏刘永强 陈建军 (41)
- 西藏自治区微水电应用现状与发展前景 卫魏 罗卫艳 余权威 (45)

农副产品加工与贮藏

- 江苏省粮食产地绿色烘干减损技术体系构建与探索 刘萍 陆海莉 卢青 (51)
- 基于近红外光谱的山核桃品种鉴别 黄宇 项建凯 汤文涛 商玉乾 毕海文 关世昊 赵超 (56)
- 基于高光谱成像技术的冬瓜种子品种鉴别 刘文俊 张淑娟 张立秀 王润润 (61)
- 脱水鲜面物理杀菌工艺参数优化 张国强 张学阁 王超 梁晓军 贾甲 王崇 孙艳颜 李世岩 (66)

水土工程

- 高寒荒漠区混播草地土壤水热分布特征 马彦麟 汪精海 马文琼 马煜 吕亚茹 (70)
- 作物水氮耦合对农田土壤环境的影响 刘林桃 牛最荣 于守超 张恒嘉 (78)

土地资源管理

- 浙江省安吉县茶园时空格局动态变化过程 傅月波 孙洋洋 赵馨玉 胡金丽 顾晓沁 黄思明 胡广 (84)

国土空间规划中农业生产适宜性评价——以陕西省武功县为例 王佳璐 柴 华 张晓华 李 炜 (92)

设计制造与理论研究

油莎豆气吸盘式排种器改进和参数优化 彭 飞 王佳奇 张 亮 魏常友 刘文亮 王新阳 姜彩宇 刘 枫 (98)

荸荠机械化采收装置设计 李成平 张志军 薛 帅 潘文宏 刘 跃 (104)

科研与教学

基于“六方融通”的产教协同实践育人模式构建与探索——以中国农业大学河南省杞县研究生培养基地为例
..... 郑志安 宋正河 吴 敏 潘亚慧 高 磊 (109)

“农业机械仿生技术”课程对本科生创新思维能力的培养 杨玉婉 黄玉祥 付作立 闫小丽 (114)

基于创新创业训练计划项目的大学生创新能力培养模式 陈 慧 林 澄 王心怡 朱嘉旺 马 力 (118)

“农业机械化生产学”课程思政建设初步探索与实践
..... 王会霞 郑德聪 吴海平 樊 荣 崔清亮 王七斤 王菊霞 (122)

基于 TRIZ 创新理论的产教融合协同育人研究
..... 尹冬雪 姬江涛 李心平 高程程 金 鑫 王升升 牛晓丽 马 湜 (127)

农业经济管理

陕西省农村产业融合发展模式与对策建议——以陕西省 5 个国家农村产业融合示范园为例 姜玮玄 (130)

山东省水果出口现状、影响因素及对策 孙 洁 陈晓明 (138)

乡村振兴背景下安康市拐枣特色产业发展 SWOT 分析 刘 娟 陈绪敖 韩 涛 (144)

永寿苹果产业品牌营销体系构建对策 江凤香 门新年 李嘉恩 吴丽雯 焦金艳 杨圆圆 屈 佳 (149)

总目次

2022 年(第 12 卷)总目次 (154)

AGRICULTURAL ENGINEERING

Vol. 12 No.12 2022

Contents

Equipment and Mechanization

- Current Situation and Development Suggestions of *Salvia miltiorrhiza* Production Mechanization in Shandong Province
..... CHEN Mingdong, YAO Wenbin, LIAN Zhengguo (5)
- Comparison Test of Strawberry Furrow Ridging Machine
..... ZHANG Li, LI Zhen, LIU Jingrui, LI Chuanyou, TENG Fei, LI Zhiqiang, ZHANG Lan (10)

Information and Electrification

- Parameterized Path Planning for Reaping Operations ZHOU Da (13)
- Soil Nitrogen Content Model Based on Near Infrared Spectroscopy and Effect of Biochar on Soil Spectra
..... MA Weijian, XING Zebing, HAN Chunfeng, SANG Zifan, SHANG Kailin, LI Yuhang (22)
- Construction and Application of Intelligent Supervision and Service System of Beijing Facility Agriculture Industry
· LU Tiangang, ZHANG Huixin, TANG Chao, WANG Jian, WANG Caihong, WANG Xiaoli, DI Xiaokang (28)

Biological Environment and Energy

- Influence of Ammonium Nitrogen Addition on N₂O Emissions from Different Tea Planting Age Garden Soil
..... WANG Feng, DU Lijun, TANG Ran, HUANG Xiaoshan, WU Bo, WU Juxiang (34)
- Effects of Different Photoperiod Treatments on Growth of Barley Seedlings
..... SUN Kelong, SHE Qiuming, NIE Wei, FAN Wei, LIU Yongqiang, CHEN Jianjun (41)
- Application Status and Development Prospect of Micro-hydropower in Tibet Autonomous Region
..... WEI Wei, LUO Weiyan, SHE Quanwei (45)

Processing and Storage of Farm and Sideline Products

- Construction and Exploration of Green Drying and Loss Reduction Technology System in Grain Producing Areas
of Jiangsu Province LIU Ping, LU Haili, LU Qing (51)
- Varieties Identification of Pecan (*Carya cathayensis* Sarg.) Using Near Infrared Spectroscopy HUANG Yu,
XIANG Jiankai, TANG Wentao, SHANG Yuqian, BI Haiwen, GUAN Shihao, ZHAO Chao (56)
- Identification of Winter Melon Seed Varieties Based on Hyperspectral Technology
..... LIU Wenjun, ZHANG Shujuan, ZHANG Lixiu, WANG Runrun (61)
- Optimization of Physical Sterilization Process Parameters for Dehydrated Fresh Noodles ZHANG Guoqiang,
ZHANG Xuege, WANG Chao, LIANG Xiaojun, JIA Jia, WANG Chong, SUN Yanyan, LI Shiyan (66)

Water-soil Engineering

- Soil Water and Heat Distribution Characteristics of Mixed Artificial Grassland in Alpine Desert Area
..... MA Yanlin, WANG Jinghai, MA Wenqiong, MA Yu, LV Yaru (70)
- Effects of Crop Water and Nitrogen Coupling on Field Soil Environment
..... LIU Lintao, NIU Zuirong, YU Shouchao, ZHANG Hengjia (78)

Land Resource Management

- Spatiotemporal Pattern Dynamic Change Process of Tea Garden in Anji County of Zhejiang Province
..... FU Yuebo, SUN Yangyang, ZHAO Xinyu, HU Jinli, GU Xiaoqin, HUANG Siming, HU Guang (84)
- Evaluation of Agricultural Production Suitability in Territorial Spatial Planning: Taking Wugong County of
Shaanxi Province as an Example WANG Jialu, CHAI Hua, ZHANG Xiaohua, LI Wei (92)

Design, Manufacture and Theoretical Research

- Improvement and Parameter Optimization of *Cyperus esculentus* Air Sucker Type Seed Metering Device
..... PENG Fei, WANG Jiaqi, ZHANG Liang, WEI Changyou, LIU Wenliang, WANG Xinyang,
JIANG Caiyu, LIU Feng (98)
- Design of Mechanical Device for Water Chestnut Harvesting
..... LI Chengping, ZHANG Zhijun, XUE Shuai, PAN Wenhong, LIU Yue (104)

Scientific Research and Teaching

- Construction and Exploration of Collaborative Industry and Education Mode of Practice Education Based on
"Six Party Integration": Taking Henan Qixian Postgraduate Training Base of China Agricultural
University as an Example ZHENG Zhian, SONG Zhenghe, WU Min, PAN Yahui, GAO Lei (109)
- Innovative Thinking Ability Cultivation of Undergraduates in Course of "Bionic Technology of Agricultural Machinery"
..... YANG Yuwan, HUANG Yuxiang, FU Zuoli, YAN Xiaoli (114)
- Cultivation Mode of College Students' Innovation Ability Based on Innovation and Entrepreneurship Training Program
..... CHEN Hui, LIN Cheng, WANG Xinyi, ZHU Jiawang, MA Li (118)
- Preliminary Exploration and Practice of Curriculum Ideological and Political Construction in Course of
"Agricultural Mechanization Production" WANG Huixia, ZHENG Decong, WU Haiping,
FAN Rong, CUI Qingliang, WANG Qijin, WANG Juxia (122)
- Industry-education Integrated Collaborative Talent Cultivation Based on TRIZ Theory YIN Dongxue,
JI Jiangtao, LI Xinping, GAO Chengcheng, JIN Xin, WANG Shengsheng, NIU Xiaoli, MA Hao (127)

Management of Agricultural Economy

- Development Mode and Countermeasures of Rural Industrial Convergence in Shaanxi Province: Taking Five
National Rural Industrial Integration Demonstration Parks in Shaanxi Province as an Example
..... JIANG Weixuan (130)
- Current Situation, Influencing Factors and Countermeasures of Fruit Export in Shandong Province
..... SUN Jie, CHEN Xiaoming (138)
- SWOT Analysis of Development of Ankang's *Hovenia dulcis* Thunb Characteristic Industry under Background
of Rural Revitalization LIU Juan, CHEN Xuao, HAN Tao (144)
- Construction Countermeasures of Brand Marketing System of Yongshou Apple Industry
..... JIANG Fengxiang, MEN Xinnian, LI Jiaen, WU Liwen, JIAO Jinyan, YANG Yuanyuan, QU Jia (149)