

第三、四、五届全国优秀农业期刊
首届 CAJ—CD 规范执行优秀期刊
首届青海省优秀科技期刊

ISSN 1004—9967

CN63—1028/S

青海农林科技

SCIENCE AND TECHNOLOGY OF QINGHAI
AGRICULTURE AND FORESTRY



3

2022

ISSN 1004-9967



青海省农林科学院
青海省农学会
青海省农林学会

青海农林科技

第三期

二〇二二年九月

QINGHAI NONGLIN KEJI



· 试验研究 ·

基于 iTRAQ 技术的小海绵羊肚菌耐镉蛋白定量组学 徐鸿雁(1)

海东市乐都区马铃薯不同品种田间抗病性评价 程 亮,郭良芝,魏有海,等(9)

甘蔗根际土壤微生物群落代谢功能多样性分析 李望豪,许钰滢,谢玮轩,等(14)

高寒沙区几种机械沙障措施对土壤粒度特征的影响 张 政,向前胜,张登山,等(18)

藜麦籽粒清洗液功能成分含量及抗氧化活性分析 兰永丽,张文刚,杨希娟(26)

· 调查报告 ·

青海东部地区燕麦蚜虫种类及种群消长动态研究 李秋荣(32)

生态防草布对蒙古黄芪生长的影响 郑寿明,贾雨新,郑冰洁,等(38)

西宁市植物园植物调查分析 周嫣婷,沈宁东,沈 敏(42)

· 专题综述 ·

食用菇类干燥方法研究进展 孟 迪,党 斌,杨希娟(46)

青海省农作物种植结构和产量变化及秸秆资源估算 李正鹏(52)

我国干热风研究进展 来有鹏(57)

森林资源保护与利用现状 金鑫邦(61)

· 问题探讨 ·

稻瘟病菌三个含 GAP 结构域蛋白的生物信息学分析 周瑞鹏,张佳宇,李望豪,等(65)

蚕豆种质花色表型数量分类研究 周仙莉,张红岩,刘玉皎,等(70)

超声波辅助法优化黑果枸杞和白刺花色苷提取工艺研究 王 亮,张艳珍,王 菲(75)

· 试验简报 ·

林下间种对核桃树体生长的影响 刘 南,魏海斌(82)

湟源县青杨叶锈病发生调查及药剂试验探讨 陈玉红(85)

丰花月季在不同基质中扦插繁殖研究 王小东,王小青,李 令,等(89)

有机肥对马铃薯产量、品质及效益的影响研究 郭 恒,纳添仓,苏 旺,等(93)

2021 年互助县蚕豆化肥利用率田间试验 吴成英,马占礼(97)

· 实用技术与科普 ·

生物源农药防治青海云杉针叶小爪螨 代志浩,郭 昕,刘 瑞(101)

红胸郭公虫对光臀八齿小蠹的捕食研究 马建元,仁增多杰,万马南杰,等(104)

SCIENCE AND TECHNOLOGY OF QINGHAI

AGRICULTURE AND FORESTRY

Quarterly

Sept

20. 2022

NO. 3

CONTENTS

ITRAQ Proteomic Study of <i>Morchella Spongiola</i> in Response to Cd Stress	XU Hong-yan(1)
Evaluation of Various Potato Varieties for Disease Resistance in Ledu District of Haidong
.....	CHENG Liang et al(9)
Metabolic Functional Diversity Analysis of Microbial Community in Sugarcane Rhizosphere Soil
.....	LI Wang-hao et al(14)
Effects of Several Mechanical Sand Barrier Measures on Soil Particle Size Characteristics in Alpine Sandy Area	ZHANG Zheng et al(18)
Analysis of Functional Ingredients Content and Antioxidant Activity of Quinoa Grain Cleaning Solution
.....	LAN Yong-li et al(26)
Study on Species and Population Dynamics of Oat Aphids in Eastern Qinghai	LI Qiu-rong(32)
Effects of Biodegradable Weed Control Fabric on the Growth of <i>Astragalus Mongholicus</i>
.....	ZHENG Shou-ming et al(38)
Investigation and Analysis of Plants in Xining Botanical Garden	ZHOU Yan-ting et al(42)
Research Progress on Drying Methods of Edible Mushrooms	MENG Di et al(46)
Evolution of Crop Planting Structure and Yield and Estimation of Straw Resources in Qinghai Province
.....	LI Zheng-peng(52)
Review of Dry – hot Wind Research in China	LAI You-peng(57)
Protection and Utilization of Forest Resources	JIN Xin-bang(61)
Bioinformatics Analysis on Three Proteins That Contain GAP Domain in <i>Magnaporthe Oryzae</i>
.....	ZHOU Rui-peng(65)
The Numerical Classification of Faba Bean Germplasm Flower Color Phenotype	ZHOU Xian-li et al(70)
Study on Optimization of Extraction Process of <i>Lycium Ruthenicum</i> Murr. and <i>Nitraria Tangutorum</i> Bobr. by Ultrasonic – assisted Method	WANG Liang et al(75)
Effects of Understory Interplanting on Walnut Growth	LIU Nan et al(82)
Occurrence Investigation of <i>Melampsora larici – populina</i> in Huangyuan County and Pesticide Trial
.....	CHEN Yu-hong(85)
Study on Cutting Propagation of <i>Rosa Floribunda</i> in Different Substrates	WANG Xiao-dong et al(89)
Effects of Organic Fertilizer Application on Potato Yield, Quality and Benefit	GUO Heng et al(93)
Field Experiments on Fava Bean Fertilizer Utilization Rate in Huzhu in 2021	WU Cheng-ying et al(97)
Effects of Biogenic Pesticide on the Control of <i>Oligonychus Piceae</i> of <i>Picea Chinensis</i>
.....	DAI Zhi-hao et al(101)
Studies on Predation of <i>Thanasimus Substriatus</i> on <i>Ips Nitidus</i>	MA Jian-yuan et al(104)