

### 目次

#### · 试验研究 ·

- 加州新小绥螨控制薄荷叶螨的研究 ..... 王佳武,赵伊英,徐 阳,唐永清,李 敏(1)
- EtOH/K<sub>2</sub>HPO<sub>4</sub> 双水相体系萃取分离绞股蓝中的总黄酮 .....  
..... 张亦琳,张 琴,王 吾,鄢 强,王银银(10)
- 广元市猕猴桃溃疡病发生规律研究 ..... 闫宝荣(13)
- 响应曲面法优化微波提取花生壳中总黄酮工艺研究 ..... 崔建强,问娟娟(16)
- 微生物发酵对烟草品质及有害成分释放的影响 .....  
..... 薛 磊,赵汉文,李小斌,郭 斌,王 颖,郭志刚,潘广乐,李 轩(20)
- 氮肥施用量对谷子营养生长期形态发育和生物量分配的影响 ... 刘琳琳,王倩怡,王小林,张 雄(26)
- 大枣膳食纤维馒头的制备工艺研究 .....  
..... 刘世军,冯 丹,唐志书,张 娱,宋忠兴,崔春利,许洪波,刘红波,张军武,王少程(31)
- 提高黑米酒中花色苷含量的酿造方法研究 ..... 杨舒婷,杨 烨(37)
- 两种花椒挥发油成分比较 ..... 邹传宗,盛巧娟(44)
- 一种新型抗菌剂在林麝养殖中的应用研究 ..... 冯 慧,王 璐,冯成利,沈文宁(47)
- 不同处理对淫羊藿种子打破休眠的影响 .....  
..... 韩 伟,吴正景,陈苏丹,高屹典,王愉深,王 启,杨芯贤(50)
- 家蚕品种华康3号在西乡县农村试养初报 ..... 彭 伟,张建平,黄 辉,曾宏宽(53)
- 复合保鲜液对煮制板栗的护色效果研究 ..... 张艺凡,王 攀,杨丽媛,白彩彩,李瑞红,贾银苹(56)
- 广西莪术高油种质 GC-MS 分析 ..... 靳雅惠(60)
- 多肉植物品种夏、秋季节叶插繁殖试验初探 ..... 陈 华,黄立新,韩艳红(63)
- 庆阳南部冬油菜复种玉米品种筛选试验 ..... 耿智广,宋亚丽,李可夫,张文伟,李 峰(67)
- 早熟抗逆玉米新品种邯玉398丰产性和稳产性分析 .....  
..... 王 磊,焦宏业,史丽丽,范子洋,谢淑芹,史明山(70)

#### · 讨论与建议 ·

- 植物应答非生物胁迫的信号转导途径研究进展 ..... 肖 畅,彭 婷(72)
- 秦巴山地草莓属野生植物资源的调查及应用研究 .....  
..... 王 新,千小绵,李 伟,羊 波,张继孝,李建军,王军利,吴紫安(82)
- 安卡拉、传染性喉气管炎、鸡毒支原体和滑液囊支原体四重混合感染病例的诊治分析 .....  
..... 吴旭锦,朱小甫,邢 蕾,张文娟,熊忙利(86)
- 陕西部分规模化猪场仔猪病毒性腹泻感染情况调查 ..... 尹宝英,张 浩,张文娟(88)
- 临沂市引种藤本月季品种综合评价 ..... 张仪东,王玲玲,王 杰(90)
- 信阳市冬小麦需水量的时空分布及其气候影响分析 ..... 杨慧洁,孟祥杰,赵 辉(93)
- 早熟番茄品种高科美琪6号的选育 ..... 姚爱华,肖普岳,妙晓莉(98)

#### · 实用技术 ·

- 早春小果型西瓜高效栽培技术 ..... 黄雅敏,袁 琪,王春英,李丹辉,张红磊,孙 珂(100)
- 汉中稻油轮作区油菜稻茬免耕直播技术 ..... 瞿利英,史莉娜,马晓丽,周子凡,张万春,张锡友(103)

期刊基本参数: CN61-1089/S \* 1955 \* b \* A4 \* 104 \* zh \* P \* ¥15.00 \* 1500 \* 26 \* 2020-02

主 编: 赵敏娟 执行主编: 李桂丽

责任编辑: 杨继涛 英文编辑: 强百发

# SHAANXI JOURNAL OF AGRICULTURAL SCIENCES

Number 2 Feb. 2020 Total 475

## Contents

### Experimental Study

- Study on Control of Peppermint Leaf Mites with *Neoseiulus californicus*. ..... WANG Jiawu et al. (1)
- Extraction Separation of Total Flavonoid from *Gynostemma pentaphyllum* in EtOH/K<sub>2</sub>HPO<sub>4</sub> Aqueous Two – phase System. ....  
..... ZHANG Yilin et al. (10)
- Study on Optimal Technology Method for Extracting Total Flavonoid from Peanut Shell by Response Surface Method. ....  
..... CUI Jianqiang et al. (16)
- Effect of Microbial Fermentation on Tobacco Quality and Release of Harmful Ingredients. .... XUE Lei et al. (20)
- Effect of Nitrogen Fertilizer Application on Morphological Development and Biomass Allocation During Nutrition Growing Stage of Foxtail Millet. .... LIU Linlin et al. (26)
- Study on Preparation Technology of Steamed Bread with Dietary Fiber. .... LIU Shijun et al. (31)
- Study on Brewing Methods for Increasing *Anthocyanins* Contents in Black Rice Wine. .... YANG Shuting et al. (37)
- Constituent Comparison of Two Kinds of *Zanthoxylum* Essential Oil. .... ZOU Chuanzong et al. (44)
- Study on Application of A New Antimicrobial Agent in *Moschus berezovskii* Raising. .... FENG Hui et al. (47)
- Effects of Different Treatments on Dormancy Breaking of Epimedium Herb Seeds. .... HAN Wei et al. (50)
- Preliminary Report on Probationary Breeding of Silkworm Breed ‘*Kanghua 3*’ in Countryside of Xixiang. ....  
..... PENG Wei et al. (53)
- Study on Effect of Compound Preservative Solution on Colour – protecting of Chinese Chestnut After Boiled. ....  
..... ZHANG Yifan et al. (56)
- Preliminary Study on Experiment of Succulent Plants Leaf Cutting in Summer and Autumn. .... CHEN Hua et al. (63)
- Experiment for Varieties Screening of Winter Rape Multiple Cropping with Maize in South Qingyang. ....  
..... GENG Zhiguang et al. (67)
- Analysis of High and Stable Yield of New Maize Variety ‘*Hanyu 398*’ with Early – Maturing and Stress Resistance. ....  
..... WANG Lei et al. (70)

### Discussion and Suggestions

- Research Advance of Signal Transduction Pathway in Physical Response to? Abiotic Stress. .... XIAO Chang et al. (72)
- Survey of *Fragaria* Wild Plants Resources in Qinba Mountainous Area and Its Application. .... WANG Xin et al. (82)
- Diagnose and Treatment of Mixed Infection Case of Angra Disease, Infectious Laryngotracheitis, *Mycoplasma gallisepticum* and *Mycoplasma synoviae*. .... WU Xujin et al. (86)
- Infection Survey of Piglet Viral Diarrhea in Part of Large Pig Farms in Shaanxi. .... YIN Baoying et al. (88)
- Comprehensive Evaluation on Introduction of Climbing Rose Varieties in Linyi. .... ZHANG Yidong et al. (90)
- Spatial and Temporal Distribution of Winter Wheat Water Demand in Xinyang and Its Weather Effect Analysis. ....  
..... YANG Huijie et al. (93)
- Breeding of Early – Maturing Tomato Variety ‘*Meiqi 6*’. .... YAO Aihua et al. (98)

### Practical Technology

- Efficient Cultivation Techniques for Small Water Melon in Early Spring. .... HUANG Yamin et al. (100)
- No – tillage and Direct – Sowing Technique for Rape and Rice Stubble Field in Rice and Rape Rotation Cropping Area of Hanzhong. .... JU Liying et al. (103)

\*\*\*\*\*

## 《陕西农业科学》编辑委员会

- 编委会主任：  
郑少锋 西北农林科技大学经济管理学院教授、博导
- 编委会副主任：  
邹志荣 康振生 罗剑朝 李桂丽(常务)
- 编辑委员会委员 (以姓氏笔画为序)：  
王礼力 西北农林科技大学经济管理学院教授、博导  
王征兵 西北农林科技大学经济管理学院教授、博导  
王保通 西北农林科技大学植保学院教授、博导  
李录堂 西北农林科技大学经济管理学院教授、博导  
李世平 西北农林科技大学经济管理学院教授、博导  
花保祯 西北农林科技大学植物保护学院教授、博导  
赵政阳 西北农林科技大学园艺学院教授、博导  
姚顺波 西北农林科技大学经济管理学院教授、博导
- 编辑委员会秘书：  
杨继涛 《陕西农业科学》副编审