

江苏农业科学

第 48 卷 第 7 期 2020 年 4 月 5 日

目 次

●“乡村振兴”专栏

- 营销刺激对水果采摘园经营结果的影响——基于江苏草莓采摘园的调查 常向阳,刘东辉,韩振兴(1)
- 甘肃省特色优势农产品品牌建设的现状与对策 王 宝,王鹏龙,徐冰鑫,等(9)
- 农民专业合作社在农产品供应链中的扶贫机理 冯 春,杨 玄,张 怡(14)
- 茶叶产业扶贫经济效益分析和前景展望——基于广东省龙川县的实证 郑大睿(23)
- 基于网络文本分析的江苏乡村民宿服务质量评价 吕春英,屠海良(30)
- 乡村振兴背景下合肥市稻虾产业规划研究 李雪莹,王 艳,吴 炜,等(36)
- 农村“空洞化”背景下精准扶贫面临的困境与对策 王 兰(41)
- 产业链视角下农户标准化生产的参与程度及影响因素分析——基于四川省 300 个猕猴桃种植户的调查数据 翟 雨,杨锦秀(45)
- 驻村干部胜任力模型构建及应用研究——基于新疆和田地区地直单位的调查 李正新,朱 峰(52)

●生物技术

- 基于 CRISPR/Cas9 系统的 MDCK 细胞 *IFN- β* 编码序列的敲除 曹兴林,恽君雯,陈 丽,等(59)
- 辣椒基因组 SSR 引物的开发及品种纯度分子鉴定 卢 霞,邓志军,刘梦华,等(65)
- 不同嗜食寄主对西花蓟马胰蛋白酶基因 *CL4520. Contig1* 表达量的影响 谢 文,郭军锐,刘 利,等(69)
- 玉米幼胚胚性愈伤组织诱导和继代研究 李海霞,谢久凤,孙金花(74)

●遗传育种与耕作栽培

- 西藏主要农区耕地复种指数变化特征与潜力分析 宋国英,刘国一,张华国(78)
- 种植密度对高粱吉杂 137 光合特性及产量的影响 高 悦,李 伟,李继洪(82)
- 几种降解地膜应用于花生的效果 谢吉先,焦庆清,常庆涛,等(86)
- 江苏省鲜食玉米化肥农药使用及生产现状调研与分析 文章荣,李广浩,王 珏,等(91)
- 调亏灌溉对棉花生长及渗透调节物质的影响 黄 鑫,杨 健,罗新宁(96)
- 密度与施肥水平对春播荞麦苏荞 2 号生长发育及产量的影响 刘荣甫,黄荣华,王全友,等(102)
- 连作马铃薯冠层结构与物质积累的关系 刘拴成,马达灵,穆俊祥,等(107)

●植物保护

- 上海市临港新城地区不同季节昆虫多样性 王章训,高 磊,仲启铖(111)
- 自贡市玉米主要病虫害气象等级预报模型 罗 伟,段修荣,钟 莉,等(118)
- 内生放线菌 SR-1102 对蔬菜立枯病的防效及其促生作用 王 艳,刘 琴,黄金金,等(123)
- 一株拮抗水稻条斑病菌的蜡样芽孢杆菌的分离和鉴定 李生樟,刘 昭,杨瑞环,等(127)

●园艺与林学

- 外源脱落酸对荒漠植物红砂幼苗光合及叶绿素荧光特性的影响 曾继娟,种培芳,朱 强(136)
- 土壤邻苯二甲酸二丁酯对白菜生长和抗氧化酶系统的影响 徐文君,程江峰(142)
- 外源水杨酸对盐胁迫下小白菜幼苗生理的影响 黄 程,文小梅,唐 殷,等(147)

解淀粉芽孢杆菌 TF28 对设施连作黄瓜根际土壤酶活性和微生物的调节	胡基华,李 晶,张淑梅,等(152)
养鸭发酵床移除料特性及其在西瓜育苗上的应用效果	章熙霞,张宗俊,刘庆叶,等(157)
干旱胁迫对籽用西瓜幼苗生长的影响	李颖慧,孙墨可,李建波,等(161)
猕猴桃花后不同天数授粉效果研究	白 雪,刘占德,李建军,等(166)
不同施肥模式对菜田土壤理化性质及产量的影响	孙 晓,姜学玲,杨剑超,等(169)
基于多元统计分析的番茄性状研究	朱晓林,魏小红,冯 悦,等(174)
●畜牧兽医与水产蚕桑	
不同产地中华绒螯蟹养殖生境中水和底泥元素分析	骆仁军,姜 涛,陈修报,等(182)
克氏原螯虾对 6 种蛋白饲料的常规营养成分和氨基酸的表观消化率	史振鹏,王爱民,刘 波,等(189)
吉富罗非鱼养殖池塘水质调控集成技术研究	郑 尧,陈家长,裘丽萍,等(193)
河蟹土池生态育苗敞池培养褶皱臂尾轮虫(<i>Brachionus plicatilis</i>)的技术	邵 力,肖佳华,宋小平,等(198)
拟穴青蟹 2 种地理群体的形态与养殖比较研究	喻国洪,金中文,王扬才,等(203)
●贮藏加工与检测分析	
陕西苹果园土壤毒死蜱施药期残留与风险评价	师荣光,郑向群,贾皎皎,等(209)
2 种彝药对 CCl ₄ 诱导小鼠肝脏损伤的影响	董艳珍,郝应芬,王思芦,等(214)
桑枝活性成分的提取及其抑菌和抗氧化作用	冯馨慧,刘志明,王海英(217)
消化条件对大豆油 O/W 乳状液脂肪消化的影响	王 萌,蒋 芸,赵世豪,等(221)
超高效液相色谱法测定忍冬叶中 5 种黄酮成分	马艳妮,李智宁,王 韬,等(226)
响应面法优化桂北金槐槐米固态发酵工艺条件	李琦玲,李 豫,王志伟,等(230)
索氏抽提法测定蓖麻含油率的条件优化	李东娜,陆建农,黄润生,等(236)
●农业工程与信息技术	
发酵床猪舍的改良设计与应用效果	严 敏,鲁 群,王学敏,等(241)
基于无线传感器网络的山地柑橘园灌溉控制系统设计与试验	赖俊桂,孙道宗,王卫星,等(245)
改性小麦秸秆生物炭对水中 Cr(VI) 的吸附性能	蒋 慧,郝雅琼,王荔霄,等(250)
●资源与环境	
组合型植物浮床对池塘水质的调控作用	钟文武,吴敬东,赵树海等(255)
重金属胁迫下乙二胺二琥珀酸对植物生长的影响	聂文军,谭 策,解琳等(260)
不同植被根际土壤中可培养与未培养黏细菌的多样性研究	原红娟,朱红惠(264)
高效油脂降解的复合菌剂构建及降解性能优化	唐志远,王雪玲,刘可星(269)
广西宾阳县野生种子植物区系研究	罗 欢,刘可丹,黄永豪,等(273)
赤子爱胜蚓对不同发酵方式平菇菌渣的利用研究	李艳华,罗 杰,胡 佳,等(281)
几种植物浮床+仿生植物系统对污染物的去除效果	扶咏梅,刘 盼,郭一飞,等(285)
2008—2017 年江苏省秸秆沼气化潜力及其碳足迹分析	姜凯阳,王丽霞,庞力豪,等(290)
●农业经济与管理	
基于系统功能视角的新疆风电产业创新政策研究	李 秀,吴正平,赖 洋(296)
农林专科院校学生对转基因的认知及科普偏好——基于江苏省 3 所农林类专科院校的调查结果	贾 科,孙卓婧,陈 超(304)
前置仓合作情况下的生鲜农产品双渠道供应链协调研究	王裕韬,周根贵,梁薇薇,等(310)

JIANGSU AGRICULTURAL SCIENCES

Vol. 48 No. 7 April 5 2020

CONTENTS

Rural Revitalization

- Impact of marketing stimulus on management results of fruit picking gardens—Based on investigation of strawberry picking gardens in Jiangsu Province *Chang Xiangyang, et al*(1)
- Current situation and countermeasures for construction of characteristic and advantageous agricultural product brands in Gansu Province *Wang Bao, et al*(9)
- Study on poverty alleviation mechanism of farmers' professional cooperatives in agricultural supply chain *Feng Chun, et al*(14)
- Economic benefit analysis and development prospect of poverty alleviation in tea industry—Based on empirical evidence of Longchuan County, Guangdong Province *Zheng Darui*(23)
- Evaluation of service quality of rural homestays in Jiangsu Province based on network review *Lü Chunying, et al*(30)
- Study on development planning of rice – crayfish industry in Hefei City under background of rural revitalization *Li Xueying, et al*(36)
- Difficulties and countermeasures of accurate poverty alleviation under background of rural “voiding” *Wang Lan, et al*(41)
- Study on participation degree and influencing factors of farmers' standardized production from perspective of industrial chain —Based on survey data from 300 kiwi growers in Sichuan Province *Zhai Yu, et al*(45)
- Construction and application of competency model of resident cadres—An empirical study based on direct units in Hotan District, Xinjiang *Li Zhengxin, et al*(52)

Bio-technology

- Knockout of *IFN- β 1* in MDCK cells based on CRISPR/Cas9 system *Cao Xinglin, et al*(59)
- Development of genomic SSR marker and identification of genetic purity in pepper (*Capsicum annum* L.) *Lu Xia, et al*(65)
- Effects of different preference hosts on expression levels of trypsin gene *CI4520. contig1* in *Frankliniella occidentalis* *Xie Wen, et al*(69)
- Study on induction and subculture of embryogenic callus from maize immature embryo *Li Haixia, et al*(74)

Genetics and Breeding • Tillage and Cultivation

- Change characteristics and potential analysis of multiple cropping index of cultivated land in main agricultural areas of Tibet *Song Guoying, et al*(78)
- Effects of planting density on photosynthetic characteristics and yield of sorghum hybrid “Jiza 137” *Gao Yue, et al*(82)
- Application effects of several degradable plastic films on peanuts *Xie Jixian, et al*(86)
- Research and analysis of current situation of fertilizer and pesticide application in fresh maize production in Jiangsu Province *Wen Zhangrong, et al*(91)
- Effects of regulated deficit Irrigation on growth and osmotic adjustment substances of cotton *Huang Xin, et al*(96)
- Influences of density and fertilization level on growth and yield of buckwheat cultivar “Suqiao No. 2” sown in spring *Liu Rongfu, et al*(102)
- Relationship between canopy structure and material accumulation of continuous cropping potato *Liu Shuancheng, et al*(107)

Plant Protection

- Insect biodiversity in different seasons in Lin'gang new town area of Shanghai City *Wang Zhangxun, et al*(111)
- Meteorological grade forecast model of corn main diseases and insect pests in Zigong City *Luo Wei, et al*(118)
- Control effect of endophytic actinomycete SR – 1102 on rhizoctonia rot and its growth promoting effect *Wang Yan, et al*(123)
- Isolation and identification of a *Bacillus cereus* strain against plant pathogenic *Xanthomonas oryzae* *Li Shengzhang, et al*(127)

Horticulture and Forestry

- Effects of exogenous abscisic acid (ABA) on photosynthesis and chlorophyll fluorescence characteristics of *Reaumuria soongorica* *Zeng Jijuan, et al*(136)
- Impacts of soil DBP on growth and antioxidant enzyme system of *Brassica rapa* var. *chinensis* *Xu Wenjun, et al*(142)
- Influence of exogenous salicylic acid on physiology of Chinese cabbage seedlings under salt stress *Huang Cheng, et al*(147)

Regulation of <i>Bacillus amyloliquefaciens</i> TF28 on soil enzyme activities and microorganisms in rhizosphere of cucumber under continuous cropping in greenhouse	Hu Jihua, et al(152)
Characteristics of removing materials from duck fermentation bed and its application in watermelon seedling	Zhang Xixia, et al(157)
Effect of drought stress on seeding growth of seed watermelon	Li Yinghui, et al(161)
Study on pollination effect of different days after flowering for kiwifruit	Bai Xue, et al(166)
Impacts of different fertilization modes on soil properties and yield of vegetable	Sun Xiao, et al(169)
Study on tomato traits based on multivariate statistical analysis	Zhu Xiaolin, et al(174)

Husbandry and Veterinary · Aquaculture and Sericulture

Analysis of elemental composition in water and sediment from different habitats of <i>Eriocheir sinensis</i>	Luo Renjun, et al(182)
Apparent digestibility of conventional nutrients and amino acids of six feed ingredients for <i>Procambarus clarkii</i>	Shi Zhenpeng, et al(189)
Study on in – situ rehabilitation integrated technology of water quality regulation in tilapia culture pond	Zheng Yao, et al(193)
Cultivation technology of <i>Brachionus plicatilis</i> in open ponds for ecological breeding of river crabs	Shao Li, et al(198)
Comparative study on morphology and culture of two geographical populations of <i>Scylla paramamosain</i>	Yu Guohong, et al(203)

Storage and Processing · Detection

Residue and risk evaluation of chlorpyrifos during pesticide spraying period in apple orchard soils in Shaanxi Province	Shi Rongguang, et al(209)
Effects of two Yi nationality herbal medicines on CCl ₄ – induced liver injury in mice	Dong Yanzhen, et al(214)
Extraction of active components from mulberry branches and their antibacterial and antioxidant activities	Feng Xinhui, et al(217)
Effect of digestion conditions on lipid digestion of soybean oil – in – water emulsions	Wang Meng, et al(221)
Determination of five flavonoid compounds in leaves of <i>Lonicera japonica</i> Thunb. by ultra – performance liquid chromatography	Ma Yanni, et al(226)
Optimization of solid – state fermentation conditions of <i>Sophora japonica</i> cv. <i>jinhuai</i> by response surface methodology	Li Qiling, et al(230)
Optimization of conditions for determination of oil content in castor by Soxhlet extraction	Li Dongna, et al(236)

Agricultural Engineering and Information Technology

Improvement design and application effect of fermentation bed piggery	Yan Min, et al(241)
Design and test of irrigation control system for citrus orchards in mountains based on wireless sensor network	Lai Jungui, et al(245)
Adsorption properties of modified wheat straw biochar for Cr (VI) in water	Jiang Hui, et al(250)

Resources and Environment

The water quality regulating effect of combined plants floating bed on conventional aquaculture ponds	Zhong Wenwu, et al(255)
Effects of ethylene diamino – disuccinic acid(EDDS) on resistant plants physiology under heavy metals stress	Nie Wenjun, et al(260)
Diversity of cultured and uncultured slime bacteria in rhizosphere soil of different vegetations	Yuan Hongjuan, et al(264)
Construction of high – efficiency oil – degrading compound bacteria agent and optimization of degradation performance	Tang Zhiyuan, et al(269)
Study on flora of seed plants in Binyang County , Guangxi Zhuang Autonomous Region	Luo Huan, et al(273)
Study on utilization of <i>Pleurotus ostreatus</i> residue with different fermentation methods by <i>Eisenia foetida</i> Savigny	Li Yanhua, et al(281)
Pollutant removal efficiency of several compound systems by plant floating bed and bionic macrophytes	Fu Yongmei, et al(285)
Biogas potential and carbon footprint analysis of straw in Jiangsu Province from 2008 to 2017	Jiang Kaiyang, et al(290)

Agricultural Economy and Management

Study on wind power industry innovation policy in Xinjiang area based on perspective of system function	Li Xiu, et al(296)
Investigation on GM cognition and popular science preference among students in agricultural and forestry colleges —Based on three agricultural and forestry colleges in Jiangsu Province	Jia Ke, et al(304)
Study on coordination of dual – channel supply chain for fresh agricultural products under situation of pre – warehouse cooperation	Wang Yutao, et al(310)