

江苏农业科学

第 49 卷 第 1 期 2021 年 1 月 5 日

目 次

●“乡村振兴”专栏

- 国外农村产业融合发展政策解读及启示——以韩国六次产业为例 马 源,梁 恒(1)
- 农业产业化联合体合联机制绩效实证研究 ——基于冀、皖、赣等地的调查数据 汤文华(7)
- 苏南地区特色田园乡村建设成效评价与优化策略 龚 倡,姜卫兵,黄沁铭,等(13)
- 山东省乡村三生空间耦合协调时空格局演化特征 梁雪玮,张 宇(20)

●专论与综述

- 布鲁氏菌病的病原学、流行病学及防治研究进展 马紫恒,赵鹏翔,马雪梅,等(28)
- 植物种间的有利作用及其对外来种入侵过程的影响 唐 龙,周庆诗,王 卿,等(33)
- 我国林果振动采收机发展应用现状与展望 林 欢,孙磊厚,王二化(36)
- 微电极离子流技术在植物逆境生理研究中的应用及展望 赵怡琳,吕 铭,汪晓丽,等(43)

●生物技术

- 基于 InDel 标记的黄瓜种质资源遗传多样性分析 卢 霞,刘梦华,邓志军,等(49)
- 鸡爪槭金陵丹枫组培再生体系的建立 朱 璐,李淑顺,闻 婧,等(54)

●遗传育种与耕作栽培

- 两系亚种间杂交水稻组合的产量和品质性状杂种优势分析 邢运高,王宝祥,陈庭木,等(59)
- 夜间增温下品种混栽对水稻叶片光合特性和荧光特性的影响 周东雪,娄运生,杨蕙琳,等(64)
- 栽培方式对粳稻南粳 46 产量和品质的影响 张 玉,周锋利,张文芳,等(73)
- 水稻-克氏原螯虾共生绿色种养的效应分析 王强盛,余坤龙,李婷婷,等(77)

●植物保护

- 木醋液与杀菌剂复配对番茄枯萎病和灰霉病的防治效果 肖 辉,程文娟,张 鹏,等(82)
- 杀菌剂 M-565 对草地早熟禾夏季斑枯病的防效 陆佳馨,王一婧,张 贇,等(88)

●园艺与林学

- 设施菜薹周年栽培模式比较试验 余旭东,蒋明敏,宋 英,等(97)

钼营养对药用菊花产量与药用品质的影响	李 丽,唐晓清,王康才,等(102)
ALA 对菊花抗氧化酶系统光照胁迫效应的缓解作用	何培磊,叶自慧,孙延军,等(107)
黄瓜发育早期耐旱突变体筛选与鉴定	陈皓炜,刘志宇,安宇宁,等(112)
6 个匍匐剪股颖种质对干旱胁迫的生理响应与耐旱性评价	刘南清,林绍艳,周兴元(118)
青脆李不同枝类在幼果期和成熟期的矿质元素含量比较	马晓丽,向革苇,袁项成,等(126)
胡杨异形叶的抗旱适应对策	赵 龙,刘卫国,杨晓东,等(130)

● 畜牧兽医与水产蚕桑

中华绒螯蟹生长关键期池塘水质状况分析及评价	余丽梅,李云峰,杜开开,等(136)
太湖花蟹雌雄群体形态及遗传差异分析	王苗苗,梅肖乐,冯子偃,等(142)
长江口中华绒螯蟹雌蟹洄游期的肠道菌群多样性	徐静静,冯广朋,陈建华,等(146)

● 贮藏加工与检测分析

大弹涂鱼幼鱼、成鱼消化酶活性及肌肉营养价值分析	李伟峰,林 杰,陈 涛(152)
云南大叶种茶多酚和咖啡碱对红茶品质的影响	尚卫琼,陈春林,孙承冕,等(155)

● 农业工程与信息技术

烟叶烘烤干筋期密集烤房热湿环境数值分析	刘兆宇,罗会龙,陈 颀,等(160)
基于离散元的间歇式施肥器的施肥过程	李 超,施 伟,姚应方,等(166)

● 资源与环境

氮肥添加对土壤微生物生物量及酶活性的影响	秦玮玺,斯贵才,雷天柱,等(170)
长三角养殖密集区畜禽养殖污染空间分布特征及污染评估——以如皋市为例	施常洁,王社芳,戴铄蕴,等(176)
有机农场蔬菜废弃物堆肥效果研究	刘 宇,席运官,高 丽,等(182)
郑州沿黄湿地草本植物群落多样性研究	姚新治,王鑫宇,胡永歌,等(186)
高邮湖轮虫群落结构分析及水质生态学评价	马会娟,李茹梦,唐晟凯,等(192)
浮床模式下沉水植物净化富营养化水体效果	赵文婧,贾晓楠,王 繁(197)

● 农业经济与管理

基于 ROF 模型的农产品供应链企业绩效评价	程 羽,李 红(202)
“一带一路”背景下中国对越南农产品出口影响因素再考察——基于修正和扩展的 CMS 模型	丁 瑶,曹历娟(209)
盐碱区冬枣种植户水肥一体化技术采纳意愿	焦 源,赵玉姝(218)
食品质量属性和安全属性对消费者选择的影响——以黄桃罐头为例	张 敏,朱战国(224)
农业股权众筹融资意愿的影响因素——以北京对口支援地区贫困村为例	王兆怡,李 华(231)

JIANGSU AGRICULTURAL SCIENCES

Vol. 49 No. 1 January 5 2021

CONTENTS

Rural Revitalization

- Enlightenment and reference from the policies of foreign rural industry integration—Taking ‘Six Industries’ of South Korea as an example *Ma Yuan, et al*(1)
- Empirical study on performance of joint mechanism of agricultural industrialization consortium—Based on survey data of agricultural industrialization consortiums in Hebei, Anhui and Jiangxi provinces *Tang Wenhua*(7)
- Evaluation and optimization strategy of characteristic pastoral countryside construction in southern Jiangsu *Gong Chang, et al*(13)
- Evolution characteristics of spatial and temporal pattern of rural life – production – ecological spatial coupling and coordination in Shandong Province *Liang Xuewei, et al*(20)

Monograph and Review

- Research progress on etiology, epidemiology and control of brucellosis *Ma Ziheng, et al*(28)
- Beneficial effects of plant species and their influence on invasion process of alien species *Tang Long, et al*(33)
- Development application status and prospect of forest – fruit vibratory harvester in China ... *Lin Huan, et al*(36)
- Application and prospect of microelectrode ion current technology in research of plant stress physiology *Zhao Yilin, et al*(43)

Bio-technology

- Analysis of genetic diversity of cucumber germplasms based on InDel markers *Lu Xia, et al*(49)
- Establishment of tissue culture regeneration system of *Acer palmatum* ‘Jinling Danfeng’ *Zhu Lu, et al*(54)

Genetics and Breeding · Tillage and Cultivation

- Heterosis analysis of yield and quality characters of two – line indica – japonica hybrid combination *Xing Yungao, et al*(59)
- Effects of intercropping on photosynthesis and chlorophyll fluorescence parameters of rice under nighttime warming *Zhou Dongxue, et al*(64)
- Impacts of cultivation modes on yield and grain quality of japonica rice “Nanjing 46” *Zhang Yu, et al*(73)
- Effect analysis of green planting and aquaculture combination of rice – crayfish symbiosis *Wang Qiangsheng, et al*(77)

Plant Protection

- Control effects of combination of wood vinegar and fungicide on tomato fusarium wilt and gray mold *Xiao Hui, et al*(82)
- Control effects of fungicide M – 565 on Kentucky bluegrass summer patch *Lu Jiaxin, et al*(88)

Horticulture and Forestry

- Comparative experiment of annual cultivation model of flowering Chinese cabbage in greenhouse *She Xudong, et al*(97)
- Effects of molybdenum nutrition on yield and quality of medicinal *Chrysanthemum morifolium* *Li Li, et al*(102)

Alleviating effects of ALA on light stress of chrysanthemum antioxidant enzyme system	He Peilei,et al(107)
Screening and identification of drought tolerant mutants in early development stage of <i>Cucumis sativus</i>	Chen Haowei,et al(112)
Physiological responses and drought tolerance evaluation of six creeping bentgrass germplasm to drought stress	Liu Nanqing,et al(118)
Comparison of mineral element contents in different branches of green crispy plum in young fruit stage and mature stage	Ma Xiaoli,et al(126)
Drought resistant adaptive strategy of <i>Populus euphratica</i> heteromorphic leaves	Zhao Long,et al(130)
Husbandry and Veterinary · Aquaculture and Sericulture	
Analysis and evaluation of water quality in ponds during critical growth period of Chinese mitten crab	Yu Limei,et al(136)
Study on morphological and genetic differences of male and female populations of <i>Trionyx sinensis</i> from Taihu Lake	Wang Miaomiao,et al(142)
Diversity of intestinal microflora of female <i>Eriocheir sinensis</i> in the Yangtze River Estuary during migratory period	Xu Jingjing,et al(146)
Storage and Processing · Detection	
Determination of digestive enzyme activity and nutritional value of juvenile and adult fish of <i>Belephthalmus</i> <i>pectinirostris</i>	Li Weifeng,et al(152)
Effects of polyphenols and caffeine from Yunnan Dayezhong tea on quality of black tea	Shang Weiqiong,et al(155)
Agricultural Engineering and Information Technology	
Numerical analysis of heat and humidity environment in dense curing barn during tobacco curing	Liu Zhaoyu,et al(160)
Fertilization process of batch fertilizer applicator based on discrete element method	Li Chao,et al(166)
Resources and Environment	
Influences of nitrogen fertilizer addition on soil microbial biomass and enzyme activities	Qin Weixi,et al(170)
Spatial distribution characteristics and pollution assessment of livestock and poultry breeding pollution in intensive areas of Yangtze River Delta—Taking Rugao City as an example	Shi Changjie,et al(176)
Study on compost effect of vegetable waste in organic farms	Liu Yu,et al(182)
Study on diversity of herbaceous plants along the Yellow River Wetland in Zhengzhou City	Yao Xinzhi,et al(186)
Community structure analysis and water quality evaluation of rotifers in Gaoyou Lake ...	Ma Huijuan,et al(192)
Purification effect of eutrophication water by floating bed submerged plants	Zhao Wenjing,et al(197)
Agricultural Economy and Management	
Internal performance evaluation of supply chain enterprises of fresh agricultural products based on ROF model	Cheng Yu,et al(202)
Re – examination of factors affecting China’s agricultural exports to Vietnam under the Belt and Road Initiative —Based on modified and extended CMS model	Ding Yao,et al(209)
Farmer’s water and fertilizer integration technology needs and its influencing factors in salinized soil area	Jiao Yuan,et al(218)
Impacts of food quality attributes and food safety attributes on consumers’ choice —Taking canned peach as an example	Zhang Min,et al(224)
Factors influencing willingness of agricultural equity crowdfunding—Taking poverty – stricken villages in Beijing’s counterpart support areas as an example	Wang Zhaoyi,et al(231)