

# 浙江农业科学

JOURNAL OF ZHEJIANG AGRICULTURAL SCIENCES

# 8

# 2020

# 61卷



## 浙江农艺师学院

热烈祝贺浙江农艺师学院首届（2018级）在职研修生顺利结业



ISSN 0528-9017

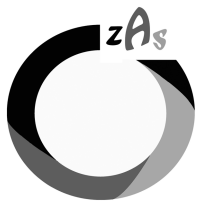


9 770528 901207



主办  
协办

浙江省农业科学院 浙江大学  
浙江勿忘农种业股份有限公司  
浙江农科种业股份有限公司  
浙江美之奥种业股份有限公司  
杭州种业集团有限公司  
宁波微萌种业有限公



# 浙江农业科学 (月刊)

ZHEJIANG NONGYE KEXUE

2020 年第 61 卷第 8 期  
2020 年 8 月 11 日出版  
浙江农艺师学院在职研修生农业创新创业专刊

## 目 次

### ■ 专题论述

- 1483 浙江农村一二三产业融合发展的路径分析与提质对策 ..... 李晓, 张明生
- 1488 新时代背景下丽水市农业标准化体系探讨 ..... 林燕, 陈小飞, 王哲跃, 孙彩霞
- 1491 美丽乡村打造后续经营村庄实践模式探索 ..... 张信, 张明生, 黄河啸

### ■ 经济作物

- 1496 海拔对烤烟生长和化学成分的影响 ... 李雪芳, 周必贵, 谢佳伟, 刘彦中, 赵唯琦
- 1501 余杭径山茶旅融合发展路径探索与实践分析 ..... 袁新
- 1503 辣椒烟草花叶病毒和黄瓜花叶病毒的脱毒方法  
..... 曾祥亮, 余冬冬, 黄星锋, 李永军
- 1506 不同播种密度对苧麻次年产量的影响  
..... 安霞, 金关荣, 骆霞虹, 李文略, 陈常理, 朱关林
- 1508 又一芽有机茶的生产管理实践初探 ..... 余芬, 金晶, 罗列万
- 1512 海拔对乌牛早茶叶品质的影响 ..... 叶伟华, 李杰峰
- 1517 高品质抹茶产业要素 ..... 沈炜
- 1520 天台黄茶产业现状与高质量发展举措 ..... 陈晓辉
- 1522 帚高粱分子标记遗传图谱的构建 ..... 邵健丰, 邹桂花, 翟国伟
- 1525 缙云黄茶全产业链融合发展初探 ..... 陈诗洁, 徐峻

### ■ 粮食作物

- 1529 花药培养技术选育的粳型水稻不育系浙粳 7A  
..... 叶靖, 叶胜海, 翟荣荣, 朱国富, 张小明
- 1531 有机肥施用对稻麦轮作系统作物生产和土壤健康的影响  
..... 王先挺, 王斌, 孙万春, 马军伟, 林辉
- 1535 婺城区山区 8 个薯干加工甘薯品种比较试验  
..... 王春燕, 祁雪, 祝丽娟, 卞晓波, 张良, 程林润

### ■ 药用植物

- 1537 缙云西红花产业现状及效益提升的思考 ..... 吕晓芳, 刘凌云
- 1539 不同品种和采收时间铁皮石斛有效成分含量变化 ..... 臧宏军
- 1542 不同移植时间对西红花生长的影响 ..... 严特波, 蒋永清
- 1544 茶皂素对铁皮石斛蜗牛虫害的防效 ..... 叶雄方

### ■ 果树与蔬菜

- 1546 生态经营对香榧生长和土壤生态的影响 ..... 叶伟华, 宋其岩, 杜国坚
- 1548 不同南瓜砧木嫁接对西瓜生长、产量及品质的影响  
..... 王光锋, 何圣米, 邹宜静, 颜韶兵, 陈智, 甘良
- 1551 山地茄子嫁接砧木品种筛选及配套栽培模式 ..... 周仙清, 包崇来
- 1553 我国水蜜桃保鲜技术研究进展 ..... 孙佳丽
- 1556 不同配方对白玉菇生长及活性成分的影响 ..... 周琪, 侯小亮, 张作法, 吕国英
- 1558 大棚栽培对杨梅生产的影响 ..... 冯常斌, 任海英
- 1563 茶叶越州红品质提升技术探索 ..... 汤帅亮, 罗列万, 金晶
- 1565 杨梅凹凸形修剪与疏果相关技术探索 ..... 黄金道, 梁森苗

创刊年份  
1960 年  
主管单位  
浙江省农业科学院  
主办单位  
浙江省农业科学院  
浙江大学  
编辑出版  
《浙江农业科学》编辑部  
主编  
戚行江  
副主编  
吴益伟  
主任  
袁醉敏  
杂志社地址  
杭州市石桥路 198 号  
邮政编码  
310021  
电话  
(0571) 86404055  
88923181  
88923631  
E-mail  
zjnykx@126.com  
网址  
Http://www.zjnykx.cn  
印刷  
广东虎彩云印刷有限公司绍兴分公司  
发行范围  
公开发行  
国内发行  
浙江省报刊发行局  
国外发行  
中国出版对外贸易总公司  
中国标准连续出版物号  
ISSN 0528-9017  
CN 33-1076/S  
广告发布登记证号  
杭江市管广发 G-003  
定价  
13.00 元

## 《浙江农业科学》协办单位

浙江省农业生态与能源办公室

丽水学院

宁波市农业科学研究院

温州市农业科学研究院

绍兴市农业科学研究院

浙江省农业信息中心

浙江省种子产业协会

浙江省农产品质量安全学会

浙江省植物保护学会

浙江省昆虫学会

浙江省水生蔬菜专业协会

浙江省农学会农塑应用专业委员会

杭州市植保土肥总站

农业农村部创意农业重点实验室

浙江省创意农业工程技术研究中心

- 1568 软枣猕猴桃引种与栽培技术 ..... 林宝华,丁勇  
1571 嘉宝果在嘉兴引种试验 ..... 陈学锋,任海英  
1575 浙江省葡萄栽培气象灾害指标及服务技术探讨

..... 范凯锋,李清斌,李盈盈,秦奔奔,陆辉

- 1578 芦笋新品种引进筛选与大棚栽培技术 ..... 敖培华,何圣米  
1581 高楼杨梅抗逆配套栽培技术 ..... 胡允祝,王海燕  
1583 大棚樱桃番茄-甜瓜轮作栽培模式 ..... 翁剑君,寿伟松  
1586 复合微生物肥对杨梅果实品质的影响 ..... 吴贵平  
1588 赤霉酸对芹菜的生长调节作用 ..... 张蕊蕊,赵灵杰  
1590 以葡萄产业为例小议浙江特色产业融合发展 ..... 朱生花,吴卫成,杨颖,潘浩亮

### ■ 观赏园艺

- 1593 嘉善春鹃种质资源及其开发应用 ..... 周素梅,王娟,李健  
1596 百合新品种引种与延长供花期配套栽培技术 ..... 张芳明,丁晓瑜  
1598 上海市道路绿化带土壤多环芳烃污染特征与健康风险评价 ..... 陈平  
1601 羽扇豆在嘉善地区促成栽培试验 ..... 王娟,潘菊明,周素梅

### ■ 食品技术

- 1605 桂花龙井茶加工和市场开发探讨 ..... 王建宏  
1607 金华一枝秀米业有限公司大米生产的实践与探索 ..... 丰盈,李春寿  
1612 苍南县番茄农药残留检测结果分析 ..... 陈德委,李潜艇,王小瑾,林小小  
1614 一氧化氮对猕猴桃采后果实品质和乙醇代谢的影响  
..... 周礼超,宋丽君,李生娥,郑小林  
1618 采摘时期和保鲜剂对杨梅冷藏保鲜效果的影响 ..... 应启敏,梁森苗

### ■ 蚕桑与特种养殖

- 1620 鳖稻共生种养模式的配套技术 ..... 张建平  
1622 稻鸭共生模式下有机水稻种植的成本分析 ..... 彭小于,张小琴,刘松,洪晓富  
1627 日本沼虾-渔稻共生的综合种养模式构建与实践  
..... 杭勇,冯晓宇,戴杨鑫,王力,唐金玉  
1631 越城区推广稻鱼生态种养模式促进稳粮增收的探索与实践 ..... 施关林

### ■ 资源与环境

- 1634 水葫芦残体资源化利用研究与应用 ..... 陈日泉,蒋迎,游兆彤

### ■ 畜牧兽医

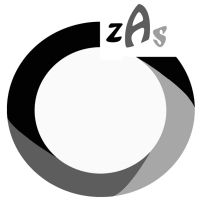
- 1637 澜海农业禽类产品全产业链品牌化经营策略的探讨 ..... 宋列

### ■ 农业经济与信息

- 1640 浙江省农作物秸秆资源台账制度建设现状及对策建议 ..... 李飞,邵建均  
1642 基于社区营造与乡村振兴的浙西南龙泉市溪头村蝶变路径探析 ..... 梁忆南  
1647 瑞安市农民专业合作社农产品农居对接营销模式初探 ..... 胡允祝,王海燕  
1649 都市农区农民收入结构及影响因素分析 ..... 程逸斐,曹正伟  
1653 瑞安农产区品牌运营探索 ..... 胡允祝,王海燕  
1656 一家小微农业企业发展的启示 ..... 朱雪江,骆华涛,吴万里,朱丹华  
1659 偏远山区中小家庭农场新经营方式初探 ..... 朱月华  
1662 基于浙江农民大学数据的农民创业培训效果影响因素分析  
..... 毛轩轩,张国庆,陈智

- 1666 浙江省数字农业农村发展水平评价指标和模型研究 ..... 吴晓柯,管孝锋  
1670 裸地农场品牌建设的实践与思考 ..... 徐海亚,王慧智  
1673 浙江省农产品电商现状及发展探讨 ..... 管孝锋,陆林峰,朱伊平,黄海龙  
1676 乡村振兴战略背景下泰顺乡村产业高质量发展的探讨 ..... 钟真愉,张明生  
1682 关于浙北区域农业特色产业提升实践及探讨 ..... 徐培英,吴敬华,郑洪广  
1685 乡村振兴背景下玉环文旦特色农业产业发展对策探讨 ..... 许君兵,张明生  
1688 蓝海小镇田园综合体发展规划初探 ..... 白云凤  
1692 污染农地种植结构调整的路桥经验与启示 ..... 王丽娟,文长存





# JOURNAL OF ZHEJIANG AGRICULTURAL SCIENCES (Monthly)

## CONTENTS

**Vol. 61**  
**No. 8 2020**  
**Publishing Date**  
**Aug. 11, 2020**

**Competent Authority**

Zhejiang Academy of  
Agricultural Sciences

**Sponsored by**

Zhejiang Academy of  
Agricultural Sciences &  
Zhejiang University

**Edited & Published by**

Editorial Department of  
JZAS

**Editor-in-Chief**

QI Xingjiang

**Associate Editor-in-Chief**

WU Yiwei

**Responsible Director**

YUAN Zuimin

**Address**

198 Shiqiao Road, Hangzhou  
310021

**Tel**

0571-86404055

88923181

88923631

**E-mail**

zjnykx@126.com

**URL**

Http://www.zjnykx.cn

**Printed by**

Shaoxing Branch, Guangdong  
Hucais Cloud Printing Co., Ltd.

**Overseas Distributed by**

China Publish  
Foreign Trading  
Corporation

万方数据

- 1483 The path analysis and quality improvement countermeasures of the integrated development of primary, secondary and tertiary industries in rural areas of Zhejiang Province ..... LI Xiao, et al.
- 1488 Research on the system of agricultural standardization in Lishui in the new era ..... LIN Yan, et al.
- 1491 Exploration of the follow-up operation practice mode of the beautiful village ..... ZHANG Xin, et al.
- 1496 Effects of altitude on the growth and chemical composition of flue-cured tobacco ..... LI Xuefang, et al.
- 1501 Path exploration of the integration and development of Jingshan tea and tourism in Yuhang District ..... YUAN Xin
- 1503 Detoxification methods of pepper tobacco mosaic virus and cucumber mosaic virus ..... ZENG Xiangliang, et al.
- 1506 Effect of different sowing densities on next year yield of ramie ..... AN Xia, et al.
- 1508 Practice of production and management of Youyiya organic tea ..... YU Fen, et al.
- 1512 Effect of altitude on tea quality of Wuniuzao ..... YE Weihua, et al.
- 1517 Industrial factors of high quality matcha ..... SHEN Wei
- 1520 Industry status quo and high quality development measures of yellow tea in Tiantai ..... CHEN Xiaohui
- 1522 Construction of a genetic linkage map of an F<sub>2</sub> sorghum line derived from broom sorghum ..... SHAO Jianfeng, et al.
- 1525 Preliminary study on the integrated development of the whole industry chain of Jinyun yellow tea ..... CHEN Shijie, et al.
- 1529 Zhejiang 7A, a japonica rice sterile line bred by anther culture technology ..... YE Jing, et al.
- 1531 Effects of organic fertilizer application on crop production and soil health in rice-wheat rotation system ..... WANG Xianting, et al.
- 1535 Comparing experiment of eight sweet potato species used for drying processing in mountainous area of Wucheng District ..... WANG Chunyan, et al.
- 1537 Industry situation and consideration of improving efficiency of saffron in Jinyun ..... LYU Xiaofang, et al.
- 1539 Variation of active components in different varieties and harvest time of *Dendrobium officinale* ..... ZANG Hongjun
- 1542 Effects of Different transplantation dates on growth of saffron ..... YAN Tebo, et al.
- 1544 Control effect of tea saponin on snail of *Dendrobium officinale* ..... YE Xiongfang
- 1546 Effects of ecological management on growth of *Torreya grandis* and soil ecology ..... YE Weihua, et al.
- 1548 Effects of different pumpkin rootstocks on growth, yield and quality of grafted watermelon ..... WANG Guangfeng, et al.
- 1551 Selection of grafting rootstock for eggplant in mountain area and cultivation model ..... ZHOU Xianqing, et al.
- 1553 Research progress on fresh keeping technology of *Prunus persica* in China ..... SUN Jiali
- 1556 Effects of different formulas on growth and active components of white jade mushroom ..... ZHOU Qi, et al.
- 1558 Effect of greenhouse on production of *Myrica rubra* ..... FENG Changbin, et al.
- 1563 Research on the quality improvement technology of Yuezhouhong ..... TANG Shuailiang, et al.
- 1565 Research on concave-convex shape pruning and fruit thinning of *Myrica rubra* ..... HUANG Jindao, et al.
- 1568 Introduction and cultivation techniques of *Actinidia arguta* ..... LIN Baohua, et al.
- 1571 Introduction experiment of *Myrciaria cauliflora* Berg in Jiaying ..... CHEN Xuefeng, et al.
- 1575 Research on meteorological disaster index and service technology of grape cultivation in Zhejiang Province ..... FAN Kaifeng, et al.
- 1578 Introduction, screening and cultivation technology in greenhouse of new asparagus cultivars ..... AO Peihua, et al.
- 1581 Resistant cultivation technology of *Myrica rubra* in Gaolou Town ..... HU Yunzhu, et al.
- 1583 Cultivation techniques of cherry tomato-melon rotation in greenhouse ..... WENG Jianjun, et al.

	1586	Effect of compound microbial fertilizer on fruit quality of Chinese bayberry .....	WU Guiping
	1588	Effect of GA <sub>3</sub> on the growth regulation of celery .....	ZHANG Ruirui, et al.
	1590	Development of characteristic industries integration in Zhejiang Province: a case study of grape industry .....	ZHU Shenghua, et al.
	1593	Germplasm resources and application of spring rhododendron in Jiashan .....	ZHOU Sumei, et al.
	1596	Introduction of new lily varieties and cultivation techniques for prolonging flowering period .....	ZHANG Fangming, et al.
	1598	Pollution characteristics and health risk assessment of soil polycyclic aromatic hydrocarbons in road green belts in Shanghai .....	CHEN Ping
《浙江农业科学》	1601	Experiments on forcing cultivation of lupine in Jiashan .....	WANG Juan, et al.
	1605	Discussion on processing and market development of <i>Osmanthus</i> scented Longjing tea .....	WANG Jianhong
委 员	1607	Practice and exploration of rice production in Jinhua Yizhixiu Rice Industry Co. Ltd. ....	FENG Ying, et al.
戚行江 李西明	1612	Result analysis of pesticide residue in tomato in Cangnan County ...	CHEN Dewei, et al.
	1614	Effect of nitric oxide on quality and ethanol metabolism in kiwifruit during postharvest .....	ZHOU Lichao, et al.
孙国昌 张国平	1618	Effect of picking time and preservative on the refrigerating effect of bayberry .....	YING Qimin, et al.
	1620	Techniques of rice-turtle planting and breeding mode .....	ZHANG Jianping
徐建华 喻景权	1622	Cost analysis of organic rice planting in rice-duck symbiosis mode .....	PENG Xiaoyu, et al.
	1627	Construction and practice of rice- <i>Macrobrachium nipponense</i> symbiosis mode .....	HANG Yong, et al.
吕晓男 吕仲贤	1631	Practice and exploration of stabilizing grain supply and increasing farmers' income by promoting rice-fish ecological planting and breeding mode in Yuecheng District .....	SHI Guanlin
陶冠军 吴益伟	1634	Research and application of resource utilization of water hyacinth residues .....	CHEN Riquan, et al.
叶兴乾 成灿土	1637	Discussion on brand management strategy of the whole industry chain of poultry products in Lanhai Agriculture .....	SONG Lie
王岳钧 张志恒	1640	Status of agricultural resources accounting construction and its countermeasures .....	LI Fei, et al.
蒋永清 郑可锋	1642	Metamorphosis path of Xitou Village, Longquan City in southwest Zhejiang Province based on community building and rural revitalization .....	LIANG Yanan
董越勇 袁醉敏	1647	A preliminary study on the marketing mode of integrate with agricultural base and inhabitant for agricultural products of farmer specialized cooperatives in Rui'an .....	HU Yunzhu, et al.
特约栏目专家	1649	Structure and factors of farmers' income in urban agriculture .....	CHENG Yifei, et al.
	1653	Exploration on regional brand operation of Rui'an agricultural products .....	HU Yunzhu, et al.
胡锦涛平 张小明	1656	Enlightenment of a small and micro agricultural enterprise development .....	ZHU Xuejiang, et al.
张才德 陈俊伟	1659	New management mode of small and medium family farms in remote mountainous areas .....	ZHU Yuehua
陈建明 王汉荣	1662	Analysis of factors influencing the effect of farmer entrepreneurship training based on data from Zhejiang Farmer University .....	MAO Xuanxuan, et al.
	1666	Evaluation index and model of digital agricultural and rural development level in Zhejiang Province .....	WU Xiaoke, et al.
吴 伟	1670	Practice and consideration of brand construction of highland barley farm .....	XU Haiya, et al.
	1673	Research on the current situation and development of agricultural products E-commerce in Zhejiang Province .....	GUAN Xiaofeng, et al.
	1676	Discussion on the high quality development of rural industry in Taishan under the background of rural vitalization strategy .....	ZHONG Zhenyu, et al.
	1682	Practice and discussion on the promotion of agricultural characteristic industry in the north of Zhejiang Province .....	XU Peiyang, et al.
	1685	Discussion on the development countermeasure of characteristic agriculture industry of <i>Citrus maxima</i> (Burm.) Merr. cv. Wentan in Yuhuan under the background of rural revitalization .....	XU Junbing, et al.
	1688	Preliminary study on the development planning of pastoral complex in Lanhai Village .....	BAI Yunfeng
	1692	Experience and enlightenment of agricultural planting structure adjustment in polluted farmland in Luqiao .....	WANG Lijuan, et al.