

安徽农学通报

郑之宽 题字

1995 年创刊 (半月刊)

2026 年第 15 期

总第 32 卷 527 期

目次

粮食作物

杂交水稻品种川 8 优 5706 的选育及配套制种和栽培技术	
..... 刘勇强 冯 慧 刘育生 黄 强 杨成明 魏守余 陈 芳 董好胜 吴孝波 张恺凯	1
配方肥及缓释肥施用模式在小麦生产上的应用效果	孙 楠 李山东 裴晨铃 阮流洋 罗桂杰 5
水稻半钵体育苗及机插配套栽培技术	李秀珍 江国安 9
施氮量和农艺措施对稻茬麦产量及光合特性的影响	王鹏举 胡子全 张向前 12
枞阳县糯稻—小麦轮作栽培技术	王念龙 18

经济作物

江苏沿海地区青贮玉米抗倒伏栽培与加工利用技术	周 萍
..... 施洋 朱红明 高 进 崔 岭 孙健雄 陆镇威 陈 涛 贺 江 李晓莎 王海洋 王 为	21
三门峡卢氏烟区烤烟品种(系)的筛选试验	
..... 张蒙蒙 关卫东 梁 栋 范 博 王志军 霍正威 张华峰	24
北方盐碱地花生覆膜丰产栽培技术	姜春姣 杨 珍 张 娟 张 鲲 崔义河 王志伟 王传堂 28
镍胁迫对薏苡种子萌发及幼苗生理特性的影响	
..... 邵晓琪 张家驰 张兢予 吴锦煜 刘湟捷 季彪俊	31
土壤改良剂对设施番茄产量、品质及土壤理化性质的影响	
..... 许士芳 韩小双 俞 静 俞雪美 杨 康 沈熠苗 夏 天	34
改良 MS 培养基中氮源替代对菊花组培苗生长的影响	
..... 张雪平 单健伟 艾翠琴 钱晶晶 李 丹 赵文莉 周玉丽	39

动物科学·动物医学

牛 MYH3 基因结构和功能的生物信息学分析	
..... 徐支青 邱桂如 汤子豪 何云侠 李智童 卢连贞 余春枝 金四华	45
根际促生细菌对盐碱胁迫下紫花苜蓿种子萌发及幼苗生长的影响	
..... 肖素娟 曾德磊 彭良忠 贡新龙 张又宁 杨伟光 苗阳阳	50

林业科学

悬铃木蛀干害虫综合防治技术	曹振洲	55
雄安郊野公园石家庄园植物规划设计研究	宋杰强	59
望春玉兰种子育苗关键技术	钟翔	63
宁国市古树保护修复技术实践与案例分析	李丽	66

生态环境·植保

物料更换对固定床反应器产酸微生物群落结构的影响	张晗 谢志刚 王文政	70
枯水年与丰水年降水量对入湖河流水质的影响	汪可欣 谭茜 郭志阳 吴师	75
施用石灰对镉污染稻田降镉效应比较研究	谢玉华 谷云松 匡志明 王晓辉	82
养草灭草技术对稻田播栽前杂草的防控效果	王艳秋 陆佳浩 冒慧颖 周成 沈方圆 顾啸	86
皖北地区智能型与自动虫情测报灯监测效果研究	黄娟 李静	89

农产品加工·检验检测

干燥工艺对母菊质量的影响	韩伟 张乘云 李青松 张攀 任江涛 姚国强 李文保	93
PT-GC-CVAFS测定水体中甲基汞和乙基汞	牛少敏 白昭 张鑫 郭晋君 薛婷 王斐 田渭花	99

农业信息·农业气象

天水大樱桃生长期气候条件分析	李霖 刘亮 甘子伟 张蓓 毛燕 李映春	103
肇庆高要区罗氏沼虾养殖气候特征及风险分析	王迁 李丹丹 黄天文	106

农业教育

基于ArcGIS的植物学实验课程教学改革实践	王玲玲 吕慧芳 欧祖兰	110
基础化学实验课程混合式教学改革探索	鲍菊生 刘有 陈俊明 秦杰	114
新工科背景下天然药物化学实验课程教学改革探索	郝经文 陈乃东 鲍玲玲 朱富成	117
动物繁殖学课程双语教学模式的探索	阿地力·阿不来提 陈超 许金根 刘文举 王淑娟	120
基于SCAR模式的畜牧工程课程建模教学构建实践	夏久林	124
分子生物学导论课程混合式教学改革研究	朱守晶 许峰 杨雪	127
环境工程专业应用型人才培养模式创新研究	武晶 齐鑫 章志成 赵凯	131

农业经济·管理

广东梅州早熟梨品质制约因素及提质增效对策	黄城 谭烨欢 张鉴波	134
招远市农业废弃物循环利用现状及对策	赵瑞君 赵小琪 丁翠娜 刘建军 姜好胜	138
巢湖地区森林康养基地发展现状及对策	许小天 徐家庆 张乐乐	142

青年编委风采	封二
“走进《安徽农学通报》”阅读征文及期刊封面素材征集公告	封三

本刊声明:凡被本刊录用的稿件,即视为作者同意授权本刊及本刊合作单位(中国知网、万方、维普等数据库)使用其作品,授权权利包括但不限于复制权、发行权、信息网络传播权、表演权、翻译权、汇编权及改编权等。所刊论文稿费已包含上述著作权使用费。作者对上述声明有异议的来稿请说明,本刊将作适当处理。

Anhui Agricultural Science Bulletin

Vol.32 No.15 Aug. 2026

Contents

Breeding and supporting seed production and cultivation techniques for hybrid rice variety Chuan 8 You 5706	Liu Yongqiang Feng Hui
..... Liu Yusheng Huang Qiang Yang Chengming Wei Shouyu Chen Fang Dong Haosheng Wu Xiaobo Zhang Kaikai(1)	
Application effect of formula fertilizer and slow-release fertilizer application patterns in wheat production	Sun Nan Li Shandong Pei Chenling Ruan Liuyang Luo Guijie(5)
Half-pot seedling raising and mechanical transplanting cultivation technology for rice	Li Xiuzhen Jiang Guoan(9)
Effects of nitrogen application rate and agronomic measures on the yield and photosynthetic characteristics of rice stubble wheat	Wang Pengju Hu Ziquan Zhang Xiangqian(12)
Cultivation technology for glutinous rice-wheat rotation in Zongyang County.....	Wang Nianlong(18)
Cultivation techniques for lodging-resistance and processing utilization of silage maize in the coastal area of Jiangsu Province	Zhou Ping Shi Yang Zhu Hongming
..... Gao Jin Cui Ling Sun Jianxiong Lu Zhenwei Chen Tao He Jiang Li Xiaosha Wang Haiyang Wang Wei(21)	
Screening trial of flue-cured tobacco varieties (lines) in Lushi tobacco-growing area of Sanmenxia	Zhang Mengmeng Guan Weidong Liang Dong Fan Bo Wang Zhijun Huo Zhengwei Zhang Huafeng(24)
High-yield cultivation techniques for peanuts with plastic film mulching on saline-alkali soil in Northern China	Jiang Chunjiao Yang Zhen Zhang Juan Zhang Kun Cui Yihe Wang Zhiwei Wang Chuantang(28)
Effects of nickel stress on seed germination and physiological traits of <i>Coix lacryma-jobi</i> seedlings	Shao Xiaopi Zhang Jiachi Zhang Jingyu Wu Jinyu Liu Huangjie Ji Biaojun(31)
Effects of soil amendments on the yield, quality and physical and chemical properties of greenhouse tomato	Xu Shifang Han Xiaoshuang Yu Jing Yu Xuemei Yang Kang Shen Yimiao Xia Tian(34)
Effects of nitrogen source substitution in modified MS medium on the growth of <i>Chrysanthemum morifolium</i> tissue-cultured plantlets	Zhang Xueping Shan Jianwei Ai Cuiqin Qian Jingjing Li Dan Zhao Wenli Zhou Yuli(39)
Bioinformatics analysis of the structure and function of bovine <i>MYH3</i> gene	Xu Zhiqing Qiu Guiru Tang Zihao He Yunxia Li Zhitong Lu Lianzhen Yu Chunzhi Jin Sihua(45)
Effects of plant growth-promoting rhizobacteria on seed germination and seedling growth of <i>Medicago sativa</i> under saline-alkali stress	Xiao Sujuan Zeng Delei Peng Liangzhong Yun Xinlong Zhang Youning Yang Weiguang Miao Yangyang(50)
Comprehensive control techniques for trunk borers in <i>Platanus acerifolia</i>	Cao Zhenzhou(55)
Research on plant planning and design of Shijiazhuang garden in Xiong'an countryside park	Song Jieqiang(59)
Key technology for seedling cultivation of <i>Magnolia biondii</i>	Zhong Xiang(63)
Practical applications and case studies of ancient tree conservation and restoration techniques in Ningguo City	Li Li(66)

Effects of substrate transition on community structure of acid-producing microorganisms of fixed-bed reactors	 Zhang Han Xie Zhigang Wang Wenzheng(70)
Effects of dry year and wet year precipitation on the water quality of rivers flowing into lakes	 Wang Kexin Tan Qian Guo Zhiyang Wu Shi(75)
Comparative research on cadmium-reducing effects of lime application in cadmium-contaminated paddy fields	 Xie Yuhua Gu Yunsong Kuang Zhiming Wang Xiaohui(82)
Control efficacy of the stale seedbed technique on weeds prior to transplanting in paddy fields	 Wang Yanqiu Lu Jiahao Mao huiying Zhou Cheng Shen Fangyuan Gu Xiao(86)
Research on the monitoring effects of intelligent and automatic pest forecasting lamp in Northern Anhui	 Huang Juan Li Jing(89)
Effect of drying processes on the quality of <i>Matricaria chamomilla</i>	 Han Wei Zhang Chengyun Li Qingsong Zhang Pan Ren Jiangtao Yao Guoqiang Li Wenbao(93)
Determination of methylmercury and ethylmercury in water samples by PT-GC-CVAFS	 Niu Shaomin Bai Zhao Zhang Xin Guo Jinjun Xue Ting Wang Fei Tian Weihua(99)
Analysis of climate conditions during the growth period of Tianshui sweet cherry	 Li Lin Liu Liang Gan Ziwei Zhang Bei Mao Yan Li Yingchun(103)
Climate characteristics and risk analysis of <i>Macrobrachium rosenbergii</i> aquaculture in Gaoyao District,Zhaoqing City	 Wang Qian Li Dandan Huang Tianwen(106)
Practice of teaching reform for the <i>Botany Experiment</i> course based on ArcGIS	 Wang Lingling Lyu Huifang Ou Zulan(110)
Exploration on blended teaching reform for the <i>Basic Chemistry Experiments</i> course	 Bao Jusheng Liu You Chen Junming Qin Jie(114)
Exploration on teaching reform for the <i>Natural Medicinal Chemistry Experimental</i> course under the background of emerging engineering education	 Hao Jinwen Chen Naidong Bao Lingling Zhu Fucheng(117)
Exploration on the bilingual teaching model for the <i>Animal Reproduction</i> course	 Adili Abulaiti Chen Chao Xu Jingen Liu Wenju Wang Shujuan(120)
Construction and practice of modeling teaching for the <i>Animal Engineering</i> course based on the SCAR model	 Xia Jiulin(124)
Research on blended teaching reform for the <i>Introduction to Molecular Biology</i> course	 Zhu Shoujing Xu Feng Yang Xue(127)
Research on the innovative applied talent cultivation model for Environmental Engineering major	 Wu Jing Qi Xin Zhang Zhicheng Zhao Kai(131)
Quality limiting factors and improvement strategies for early-maturing pear in Meizhou City ,Guangdong Province	 Huang Cheng Tan Yehuan Zhang Jianbo(134)
Current situation and countermeasures for circular utilization of agricultural wastes in Zhaoyuan City	 Zhao Ruijun Zhao Xiaoqi Ding Cuina Liu Jianjun Jiang Haosheng(138)
Current development status and countermeasures for forest wellness bases in Chaohu	 Xu Xiaotian Xu Jiaqing Zhang Lele(142)