

目次

■ 专题综述

1 生物炭与污染土壤修复及烟草行业的研发进展 曹志洪

■ 烟草和烟气化学

13 口腔中烟气烟碱的在线采样分析研究
..... 彭晓萌, 王健, 雷振, 徐迎波, 胡永华, 朱青林, 汪华, 田振峰, 陈开波

■ 制造技术

17 细支卷烟用R型截面二醋酸纤维素丝束的应用性能
..... 崔春, 冯晓民, 田海英, 纪朋, 孟祥士, 楚文娟, 胡少东, 顾亮, 李明哲, 高明奇

23 低温真空干燥对烟丝及卷烟品质的影响
..... 付亮, 易斌, 温亚东, 李雯琦, 林文强, 马宁, 唐军, 刘泽, 周冰, 高晓华

29 烟用爆珠内液质量稳定性检测——基于紫外光谱技术结合SVR算法
..... 朱玲, 唐杰, 许嘉东, 胡兴锋, 彭忠, 谭广璐, 朱立军

■ 农艺与调制

37 烤烟新品种龙江986的选育及其特征特性 李尊强, 陈荣平, 邱恩建, 王春军, 宋宝刚, 梁宪山, 张磊

43 烤烟成熟期烟叶木质素合成关键酶基因的转录分析
..... 高娅北, 孙曙光, 王胜雷, 陈二龙, 杨晓亮, 孙占伟, 宋朝鹏

52 富钾烤烟品种成熟期根系分泌物和根际细菌多样性特征分析 张小全, 阚洪赢, 刘冰洋, 魏星, 胡育玮

60 施用石灰和绿肥及生物有机肥后的酸性土壤pH和理化性状动态变化
..... 张龙辉, 李源环, 邓小华, 田明慧, 张明发, 周志成, 彭曙光, 陈治锋

■ 生物技术

67 马铃薯Y病毒两个黑龙江烟草分离物的全基因组序列分析
..... 姜瀚林, 程林发, 姜鹏超, 郭兆奎, 刘永中, 李向东

76 低钾胁迫下烤烟苗期叶片的差异蛋白及其生物信息学分析 朱崇文, 戴林建, 肖泽凡, 钟军

■ 经济与管理

84 卷烟销量组合预测模型研究 吴明山, 王冰, 起亚宁, 郑飘

92 一种融合导向的企业信息化规划编制方法及实施研究 华烨, 王莉

■ 现代烟草农业

98 专分散收模式下云南省烤烟工商交接等级质量及其影响因素
..... 孙浩巍, 张轲, 周恒, 刘正玲, 龙杰, 张晓伟, 杨青, 张冀武, 陈丹, 池源

104 烟叶生产管理信息化探索与思考 李光雷, 孙光军, 陈风雷, 王仕海, 侯雄辉, 焦剑, 黄宁, 石佳, 丘文勇

■ 吸烟与健康

110 广东卷烟消费者吸烟行为分析
..... 黄菲, 余其昌, 孔浩辉, 吴君章, 赖燕华, 陈志鸿, 陈森林, 陈翠玲, 欧阳璐斯

117 尼古丁诱导人肠道上皮细胞自噬水平的研究
..... 高茜, 杨斌, 管莹, 毕品端, 黄海涛, 曾婉俐, 向海英, 刘欣, 米其利, 李雪梅

■ 其他

36 烟草科技2019年第5期目录 《烟草科技》编辑部

75 烟草科技2019年第6期目录 《烟草科技》编辑部

83 中国烟草科学2019年第3期目录 《中国烟草科学》编辑部

CONTENTS

■ MONOGRAPH REVIEW

- 1 Biochar and soil remediation technologies and their research development in tobacco industry..... CAO Zhihong

■ TOBACCO AND SMOKE CHEMISTRY

- 13 On-line sampling and analysis of nicotine in cigarette smoke in oral cavity
..... PENG Xiaomeng, WANG Jian, LEI Zhen, XU Yingbo, HU Yonghua, ZHU Qinglin, WANG Hua, TIAN Zhenfeng, CHEN Kaibo

■ MANUFACTURING TECHNOLOGY

- 17 Application performance of cellulose acetate tow of R type filaments for super slim cigarettes
..... CUI Chun, FENG Xiaomin, TIAN Haiying, JI Peng, MENG Xiangshi,
CHU Wenjuan, HU Shaodong, GU Liang, LI Mingzhe, GAO Mingqi
- 23 Effects of low temperature vacuum drying on quality of cut tobacco and cigarette
..... FU Liang, YI Bin, WEN Yadong, LI Wenqi, LIN Wenqiang, MA Ning, TANG Jun, LIU Ze, ZHOU Bing, GAO Xiaohua
- 29 Quality stability inspection of liquid contained in flavored capsules for cigarettes based on ultraviolet spectroscopy and SVR algorithm ZHU Ling, TANG Jie, XU Jiadong, HU Xingfeng, PENG Zhong, TAN Guanglu, ZHU Lijun

■ AGRONOMY AND CURING

- 37 Breeding of new flue-cured tobacco variety Longjiang986 and its characteristics
..... LI Zunqiang, CHEN Rongping, QIU Enjian, WANG Chunjun, SONG Baogang, LIANG Xianshan, ZHANG Lei
- 43 Transcriptional analysis of key enzyme genes in synthesis of lignin in flue-cured tobacco leaves during maturity stage
..... GAO Yabei, SUN Shuguang, WANG Shenglei, CHEN Erlong, YANG Xiaoliang, SUN Zhanwei, SONG Zhaopeng
- 52 Characteristics of root exudates and rhizosphere bacterial diversity of potassium-enriched flue-cured tobacco genotype at mature stage ZHANG Xiaoquan, KAN Hongying, LIU Bing-yang, WEI Xing, HU Yuwei
- 60 Dynamic change of soil pH and physicochemical properties after application of lime, green manure and biological organic fertilizer..... ZHANG Longhui, LI Yuanhuan, DENG Xiaohua, TIAN Manghui, ZHANG mingfa,
ZHOU Zhicheng, PENG Shuguang, CHEN Zhifeng

■ BIOTECHNOLOGY

- 67 Complete genomic sequence analysis of two Potato virus Y isolates from tobacco in Heilongjiang Province, China
..... JIANG Hanlin, CHENG Linfa, JIANG Pengchao, GUO Zhaokui, LIU Yongzhong, LI Xiangdong
- 76 Differential proteins in flue-cured tobacco leaf at seedling stage under low potassium stress and bioinformatics analysis thereof
..... ZHU Chongwen, DAI Linjian, XIAO Zefan, ZHONG Jun

■ ECONOMY AND MANAGEMENT

- 84 Research on combinational sales forecast model of cigarettes..... WU Mingshan, WANG Bing, QI Yaning, ZHENG Piao
- 92 Studies on drawing up and implementation of fusion-oriented informatization plan in enterprises..... HUA Ye, WANG Li

■ MODERN TOBACCO AGRICULTURE

- 98 Grade quality and its influencing factors of flue-cured tobacco handed-over from commerce to industry in Yunnan province in case of specialized grading and loose-leaf purchasing
..... SUN Haowei, ZHANG Ke1, ZHOU Heng, LIU Zhengling, LONG Jie,
ZHANG Xiaowei, YANG Qing, ZHANG Jiwu, CHEN Dan, CHI Yuan
- 104 Exploration and reflection about informatization of management in tobacco production
..... LI Guanglei, SUN Guangjun, CHEN Fenglei, WANG Shihai, JIAO Jian, HUANG Ning, SHI Jia, QIU Wenyong

■ SMOKING AND HEALTH

- 110 Analysis on smoking behavior of cigarette consumers in Guangdong
..... HUANG Fei, YU Qichang, KONG Haohui, WU Junzhang, Lai Yanhua,
CHEN Zhihong, CHEN Senlin, CHEN Cuiling, OUYANG Lusi
- 117 Study on nicotine-induced autophagy in human intestinal epithelial cells
..... GAO Qian, YANG Bin, GUAN Ying, BI Pinduan, HUANG Haitao, ZENG Wanli, XIANG Haiying, LIU Xin, MI Qili, LI Xuemei