

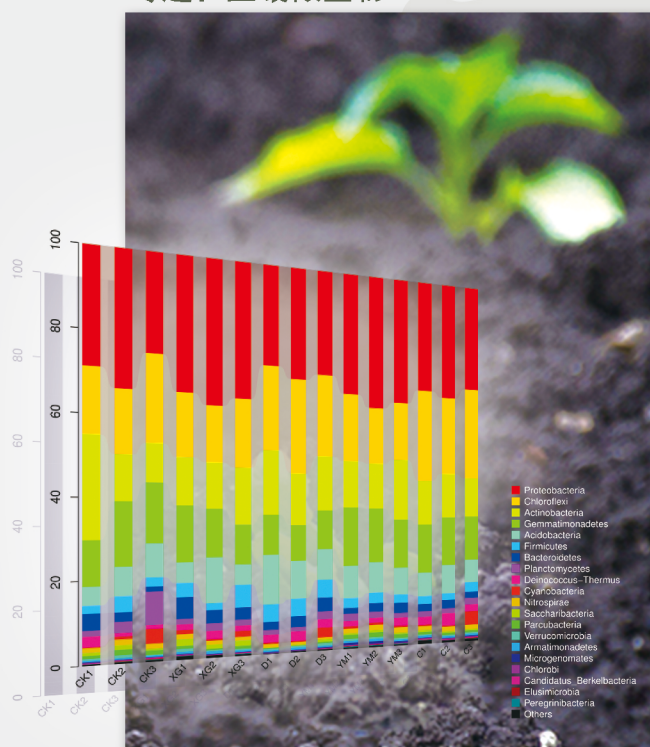
ISSN 1671-8151

CN 14-1306/N

JOURNAL OF SHANXI AGRICULTURAL UNIVERSITY

山西農業大學學報

專題：土壤微生物



2022 第42卷 第5期
Vol.42 No.5

5 自然科学版
NATURAL SCIENCE EDITION

中文核心期刊
中国科技核心期刊
RCCSE 中国核心学术期刊
中国农林核心期刊
2020中国高校优秀科技期刊

目 次

专题:土壤微生物(策划:梁文俊)

- 地膜覆盖对旱区谷子根际土壤微生物特性及产量的影响
.....李凯 罗世武 王湛 程炳文 杨军学 张尚沛 王勇 张晓娟(1)
- 干旱对燕麦早期根际土壤微生物群落功能多样性的影响
.....张斌 李利 张美俊 吕玉峰 冯美臣 王超 宋晓彦 杨武德(9)
- 施氮方式及用量对高粱光合特性及土壤微生物群落特征的影响
.....王佳旭 张旷野 张飞 王艳秋 朱凯 张志鹏(17)
- 轮作对设施草莓土壤细菌群落多样性的影响
.....阳圣莹 朱润华 白胜 梁秋屏 李轶骥 夏武奇(27)
- 木霉菌肥对土壤团聚体微生物群落的影响
.....朱利霞 栗婷轩 张艳君 常云霞 田二丽 刘永闯 李俐俐(37)
- 一株烟嘧磺隆高效降解菌的分离鉴定及降解特性研究
.....郝佳丽 张建华 白文斌 贾峥嵘 郭瑞峰 张一中 曹昌林(46)

杂粮作物研究

- 北方半干旱区燕麦带状间作模式构建及经济效益分析
.....王月 张鹏鹏 施磊 臧华栋 葛军勇 曾昭海 杨亚东(55)
- ‘晋谷 21’和矮秆品系‘21DG’营养品质及代谢组学分析
.....康庆芳 赵孟瑶 赵影 韩渊怀 王兴春 李雪垠(66)
- 干旱胁迫下不同褪黑素浓度处理下谷子种子萌发特性
.....李平 谢淑芹 方璐斌 罗河月 蔺桂芬(76)

作物

- 氧化石墨烯对盐胁迫下小麦种子萌发及幼苗生长的影响
.....曹慧芬 谢建义 姚建忠 张颖颖 赵甜甜 王晓露 郝佳园(84)
- 马铃薯对 UV-B 辐射增强的生理生化响应
.....崔玲艳 王琮 徐笑宇 李俊 李凯峰 李茂兴 郭华春(93)

动物科学

- 民猪肝脏对冷暴露的生理反应和代谢组学应答
.....张冬杰 马守正 汪亮 马红 李忠秋 刘娣(102)
- 中、意蜂蜂毒对小鼠耳肿胀炎性抑制作用的比较
.....赵慧婷 黄丽 张敏爱 刘苗苗 赵淑果 陈淑煜(110)
- 牛粪好氧堆肥过程中植物毒性来源解析
.....刘源 罗渊 刘家辉 程红艳 孟祥苗 王雨萌 陈媛媛(118)

Contents

Effects of different plastic film mulching on the microbial characteristics of rhizosphere soil and yield of millet in arid area	
Li Kai, Luo Shiwu, Wang Zhan, Cheng Bingwen, Yang Junxue, Zhang Shangpei, Wang Yong, Zhang Xiaojuan(1)	
Effects of drought stress on functional diversity of soil microbial communities in the rhizosphere at oat early stage	
..... Zhang Bin, Li Li, Zhang Meijun, Lv Yufeng, Feng Meichen, Wang Chao, Song Xiaoyan, Yang Wude(9)	
Effects of nitrogen application methods and amounts on photosynthetic characteristics and soil microbial community characteristics of sorghum	
..... Wang Jiaxu, Zhang Kuangye, Zhang Fei, Wang Yanqiu, Zhu Kai, Zhang Zhipeng(17)	
Effects crop rotation on the diversity of soil bacterial community in the strawberry cultivation facilities	
..... Yang Shengying, Zhu Runhua, Bai Sheng, Liang Qiuping, Li Yiji, Xia Wuqi(27)	
Effects of <i>Trichoderma</i> fertilizer on soil microbial community of soil aggregates	
..... Zhu Lixia, Li Tingxuan, Zhang Yanjun, Chang Yunxia, Tian Erli, Liu Yongchuang, Li Lili(37)	
Isolation, identification and degradation characteristics of an high-efficient <i>Nicosulfuron</i> degrading strain	
..... Hao Jiali, Zhang Jianhua, Bai Wenbin, Jia Zhengrong, Guo Ruifeng, Zhang Yizhong, Cao Changlin(46)	
Construction and economic benefits analysis of oat strip intercropping model of oat-based strip intercropping systems in the semi-arid area of northern China	
..... Wang Yue, Zhang Pengpeng, Shi Lei, Zang Huadong, Ge Junyong, Zeng Zhaohai, Yang Yadong(55)	
Nutritional quality and metabonomics analysis of Foxtail millet var. ‘Jingu 21’ and dwarf line ‘21DG’	
..... Kang Qingfang, Zhao Mengyao, Zhao Ying, Han Yuanhuai, Wang Xingchun, Li xueyin(66)	
Rsearch on the impacts of melatonin at different concentrations on the germination of foxtail millet seeds under drought-stress conditions	
..... Li Ping, Xie Shuqin, Fang Lubin, Luo Heyue, Lin Guifen(76)	
Effects of graphene oxide on seed germination and seedling growth of wheat under salt stress	
..... Cao Huifen, Yao Jianzhong, Xie Jianyi, Zhang Yingying, Zhao Tiantian, Wang Xiaolu, Xi Jiayuan(84)	
Physiological and biochemical responses of potato to enhanced UV-B radiation	
..... Cui Lingyan, Wang Qiong, Xu Xiaoyu, Li Jun, Li Kaifeng, Li Maoxing, Bai Lei(93)	
Physiological and metabolomic responses of Min pig liver to the cold exposure.....	
..... Zhang Dongjie, Ma Shouzheng, Wang Liang, Ma Hong, Li Zhongqiu, Liu Di(102)	
Inflammation inhibitory effects of bee venom from <i>Apis cerana cerana</i> or <i>Apis mellifera ligustica</i> on ear swelling in mice.....	
..... Zhao Huiting, Huang Li, Zhang Min'ai, Liu Miaomiao, Zhao Shuguo, Chen Shuyu(110)	
Analysis of the phytotoxicity sources during aerobic composting of cow manure	
... Liu Yuan, Luo Yuan, Liu Jiahui, Cheng Hongyan, Meng Xiangzhuo, Wang Yumeng, Chen Yuanyuan(118)	