

土壤环境生物安全与健康 专刊

特邀主编: 朱永官 高志贤 王琦 褚海燕 张奇 姚彦坡

土壤中有肥源抗生素抗性基因环境归趋与风险管理研究进展	王芳 豆庆圆 付玉豪
梅芝 相雷雷 刘雨 蒋新 SCHAEFFER Andreas 朱永官 TIEDJE James M.(2563)	
花生黄曲霉毒素产毒菌种群区系和地理分布	白艺珍 岳晓凤 张奇 李培武(2577)
生物炭固定化微生物修复污染土壤研究进展	杜兆林 陈洪安 姚彦坡 安毅(2584)
土壤病原微生物检测技术研究进展	徐菲 杨凯 朱龙吉 林文芳 崔丽(2593)
生物炭固定 SM3 菌剂的制备及其对三唑酮的降解研究	王莹 林凤翔 岳星雨 张赛 吴宗彬 施艳红(2604)
污泥处理渣对电子废弃物拆解污染土壤的改良作用	郭江山 顾卫华 白建峰 董滨 庄绪宁 赵静 张承龙(2613)
盐碱土壤修复菌剂的微生物筛选	张咪 赵文静 赵亚男 王琦 张丽霞(2622)
秸秆类型对强还原土壤细菌群落及多样性的影响	赵雨鑫 廖洪凯 龙健 李娟 冉泰山 杨国梅(2629)
环境生物安全的法治化应对	王伟(2642)
呕吐毒素降解菌 A4 的分离及降解特性研究	于阳光 胡俊强 王刚 高红侠 邱涵 张宇航 刘馨 史建荣 徐剑宏(2648)
黄曲霉 <i>ste20-like</i> 基因功能鉴定及与 <i>ste20</i> 基因功能的比较	马龙雪 李旭 邢福国(2660)
药用植物真菌毒素污染现状与控制策略	张晶 高素艳 杜兆林 安毅 张晨晨 姚彦坡(2672)
粮油作物真菌毒素污染现状及控制	张晶 高素艳 杜兆林 安毅 张晨晨 姚彦坡(2680)
哈茨木霉菌 HNA12 在防控玉米黄曲霉毒素污染中的应用	张丽芳 许旖旎 曹阳 刘力强(2688)
食源性致病细菌在土壤中的生存策略及其治理方式	杨埔 鞠峰 张丽珍(2694)
酸适应降低鼠伤寒沙门氏菌在天然土壤中迁移能力	浦喆 杨新瑶 于丹 张琦(2705)
长期植稻年限序列土壤耐药组演替特征	林辉 成琪璐 邹平 孙万春 俞巧钢 叶静 陈照明 马军伟(2711)
EDTA 对铅胁迫下狗牙根根际土壤质量及微生物的影响	姜冉冉 江润海 朱城强 侯秀丽(2722)
华北不同利用强度潮土酶生态化学计量特征比较	李胜君 盛美君 李刚 杨昕玥 王蕊 李洁 张贵龙 修伟明(2733)
土壤改良基质对土壤性状及微生物群落的影响	吴昊 欧阳俊峰 宋时丽 陆晓林 张振华 管永祥 张勇 戴传超(2742)
生物菌剂对土壤微生物群落结构和功能的影响	沙月霞 黄泽阳 李云翔 赵沛(2752)
具毒死蜱降解功能的水稻内生菌降解特性及应用	卢映菲 马丽雅 张召贤 孙星 葛静 吴祥为 余向阳(2763)
腐殖酸配施壳聚糖调控设施番茄土壤细菌群落	鲍莹 严梦圆 吴萌 李桂龙 刘凯 李忠佩(2772)
微生物降解四环素类抗生素的研究进展	王振楠 白默涵 李晓晶 翁莉萍 叶会科(2779)

芽孢杆菌拮抗镰孢菌机制的研究进展	白亚男 周 蓉 虞 悦 闫新利 卜元卿 戴传超(2787)
我国主要有色金属矿区周边农田土壤酶活性及影响因素	刘深妍 李凤麟 鲁静丽 冯世伟 吴卓慧 梁洁良 贾 璞 李金天(2797)
荷兰进境百合种球中线虫的分离及分子鉴定	张寅寅 黑多尔 刘玥婷 李 鑫(2805)
不同生物制剂对南方根结线虫杀虫活性与防治效果	李运朝 李洪涛 及 华 李俊花 李超楠 章 丽 金小艳(2810)
微生物菌剂对金银花生长和品质的调控	王 琳 胡凯基 及 华 李洪涛 李运朝 李超楠 章 丽(2817)
北苍术根腐病病原菌分离鉴定及其生防菌筛选	李超楠 李洪涛 李运朝 李俊花 及 华 章 丽 王 琳(2824)
茅苍术与内生菌互作信号对其活性成分的影响	曹令森 陈 飞 戴传超(2831)
苍术根腐病及其防治研究进展	李超楠 李洪涛 李运朝 李俊花 及 华 章 丽 王 琳(2840)

A special issue of Soil Environmental Biosafety and One Health

(Guest editors in chief: ZHU Yongguan, GAO Zhixian, WANG Qi, CHU Haiyan, ZHANG Qi, YAO Yanpo)

- Environmental fate and risk management of manure-borne antibiotic resistance genes in soil : A review
 WANG Fang, DOU Qingyuan,
 FU Yuhao, MEI Zhi, XIANG Leilei, LIU Yu, JIANG Xin, SCHAEFFER Andreax, ZHU Yongguan, TIEDJE James M. (2563)
- Geographical distribution of aflatoxin-producing fungus in peanut
 BAI Yizhen, YUE Xiaofeng, ZHANG Qi, LI Peiwu (2577)
- Research progress of biochar immobilized microorganism in soil pollution remediation
 DU Zhaolin, CHEN Hong'an, YAO Yanpo, AN Yi (2584)
- Advances in the detection technology of pathogenic microorganisms in soil
 XU Fei, YANG Kai, ZHU Longji, LIN Wenfang, CUI Li (2593)
- Preparation of biochar immobilized SM3 bacterial agent and degradation of triadimefon
 WANG Ying, LIN Fengxiang, YUE Xingyu, ZHANG Sai, WU Zongbin, SHI Yanhong (2604)
- Treated sludge residue amelioration of contaminated soil at an e-waste dismantling site
 GUO Jiangshan, GU Weihua, BAI Jianfeng, DONG Bin, ZHUANG Xuning, ZHAO Jing, ZHANG Chenglong (2613)
- Microbial screening of saline-alkali soil remediation agents
 ZHANG Mi, ZHAO Wenjing, ZHAO Yanan, WANG Qi, ZHANG Lixia (2622)
- Effect of reductive soil disinfestation incorporated with straw types on soil bacterial community diversity
 ZHAO Yuxin, LIAO Hongkai, LONG Jian, LI Juan, RAN Taishan, YANG Guomei (2629)
- Legal response to environmental biosafety WANG Wei (2642)
- Isolation and degradation characteristics of deoxynivalenol degrading strain A4 YU Yangguang, HU Junqiang,
 WANG Gang, GAO Hongxia, QIU Han, ZHANG Yuhang, LIU Xin, SHI Jianrong, XU Jianhong (2648)
- Identification of *ste20-like* and comparison with the function of *ste20* in *Aspergillus flavus* MA Longxue, LI Xu, XING Fuguo (2660)
- Present situation and control strategy of mycotoxin contamination in medicinal plants
 ZHANG Jing, GAO Suyan, DU Zhaolin, AN Yi, ZHANG Chenchen, YAO Yanpo (2672)
- Contamination status and control of mycotoxins in grain and oil crops
 ZHANG Jing, GAO Suyan, DU Zhaolin, AN Yi, ZHANG Chenchen, YAO Yanpo (2680)
- Trichoderma harzianum* HNA12 and its application in controlling aflatoxin contamination in maize
 ZHANG Lifang, XU Yini, CAO Yang, LIU Liqiang (2688)
- Survival and decontamination strategies of food-borne bacterial pathogens in soil YANG Pu, JU Feng, ZHANG Lizhen (2694)
- Acid adaptation reduces the transport ability of *Salmonella typhimurium* in natural soil
 PU Zhe, YANG Xinyao, YU Dan, ZHANG Qi (2705)

- Succession characteristics of soil resistome in paddy soil chronosequences
 LIN Hui, CHENG Qilu, ZOU Ping, SUN Wanchun, YU Qiaogang, YE Jing, CHEN Zhaoming, MA Junwei(2711)
- Effects of EDTA on soil quality and microorganisms in rhizosphere of *Cynodon dactylon* under lead stress
 JIANG Ranran, JIANG Runhai, ZHU Chengqiang, HOU Xiuli(2722)
- Variations in eco-enzymatic stoichiometric characteristics of fluvo-aquic soil with different use intensities in The North China Plain
 LI Shengjun, SHENG Meijun, LI Gang, YANG Xinyue, WANG Rui, LI Jie, ZHANG Guilong, XIU Weiming(2733)
- Effects of the application of soil amended substrate medium on soil properties and microbial communities WU Hao,
 OUYANG Junfeng, SONG Shili, LU Xiaolin, ZHANG Zhenhua, GUAN Yongxiang, ZHANG Yong, DAI Chuanchao(2742)
- Impact of microbial agents on the structure and function of the soil microbial community
 SHA Yuexia, HUANG Zeyang, LI Yunxiang, ZHAO Pei(2752)
- Characteristics and application of chlorpyrifos-degrading endophytic bacteria from rice (*Oryza sativa* L.)
 LU Yingfei, MA Liya, ZHANG Zhaoxian, SUN Xing, GE Jing, WU Xiangwei, YU Xiangyang(2763)
- Humic acid combined with chitosan regulates bacterial communities in tomato facility soil
 BAO Ying, YAN Mengyuan, WU Meng, LI Guilong, LIU Kai, LI Zhongpei(2772)
- Research progress on the microbial degradation of tetracycline antibiotics
 WANG Zhennan, BAI Mohan, LI Xiaojing, WENG Liping, YE Huike(2779)
- Advances in understanding the antagonistic mechanism of *Bacillus* against *Fusarium*
 BAI Yanan, ZHOU Rong, YU Yue, YAN Xinli, BU Yuanqing, DAI Chuanchao(2787)
- Soil enzyme activities and influencing factors in farmlands around metalliferous mine wastelands in China
 LIU Shenyan, LI Fenglin, LU Jingli, FENG Shiwei, WU Zhuohui, LIANG Jieliang, JIA Pu, LI Jintian(2797)
- Isolation and molecular identification of nematodes intercepted from imported Netherlands' lily bulbs
 ZHANG Yinyin, HEI Duoer, LIU Yueting, LI Xin(2805)
- Insecticidal activity and control effect of different biological preparations against *Meloidogyne incognita*
 LI Yunchao, LI Hongtao, JI Hua, LI Junhua, LI Chaonan, ZHANG Li, JIN Xiaoyan(2810)
- Regulation of different microbial agents on the growth and quality of *Lonicera japonica* Thunb.
 WANG Lin, HU Kaiji, JI Hua, LI Hongtao, LI Yunchao, LI Chaonan, ZHANG Li(2817)
- Isolation and identification of root rot pathogen of *Atractylodes chinensis* and screening of biocontrol bacteria
 LI Chaonan, LI Hongtao, LI Yunchao, LI Junhua, JI Hua, ZHANG Li, WANG Lin(2824)
- Change of *Atractylodes lancea* signaling during endogenous microbes colonization effects the genuine active compounds
 CAO Lingsen, CHEN Fei, DAI Chuanchao(2831)
- Research progress and control of root rot in *Atractylodes lancea*
 LI Chaonan, LI Hongtao, LI Yunchao, LI Junhua, JI Hua, ZHANG Li, WANG Lin(2840)