

Soil Ecology Letters

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ESSAY

240226 Utilization of human excrement in pre-modern China, its theoretical interpretations and ecological significance

Xin-Hao Du, Yuan-Ming Song, Ji-An Cai,
Yong-Guan Zhu

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230201 Harnessing the holobiont to alleviate the stress of aluminum toxicity to rice

Hong-Zhe Li, Yong-Guan Zhu

REVIEW

230186 Mechanistic insights toward identification and interaction of plant parasitic nematodes: A review

Bisma Jan, Ali Haider Shah, Mudasir Ahmad Bhat,
Arif Tasleem Jan, Ishfaq Ahmad Wani, Ali Asghar Shah

RAPID REPORT

230189 Comparing the temperature sensitivity of organic matter decomposition in oxic and oxygen-deprived soils

Zhenhui Jiang, Xin Wang, Ting Liu, Xiaojuan Feng

RESEARCH ARTICLES

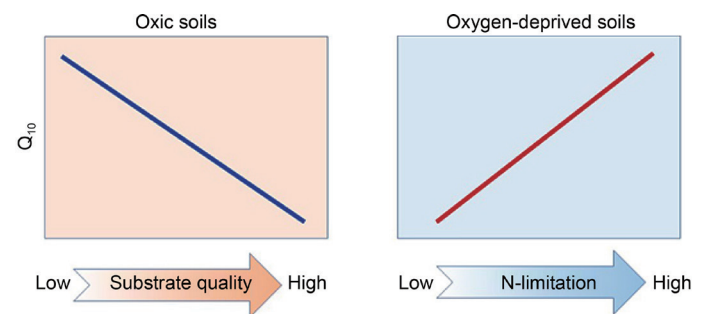
230195 Collembolans maintain a core microbiome responding to diverse soil ecosystems

Zhe-Lun Liu, Dong Zhu, Yi-Fei Wang, Yong-Guan Zhu,
Min Qiao

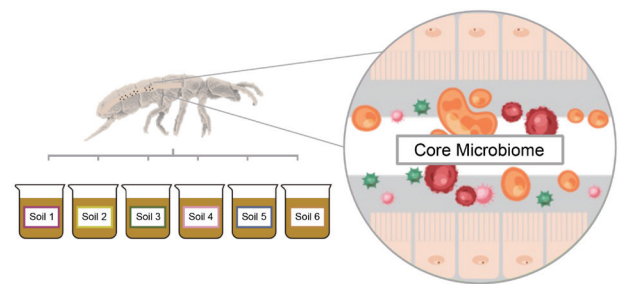
230184 Low-density polyethylene microplastics partially alleviate the ecotoxicological effects induced by cadmium exposure on the earthworm *Eisenia fetida*

Song Zhang, Yating Du, Guangshen Shang, Kejiao Hu,
Xing Wang

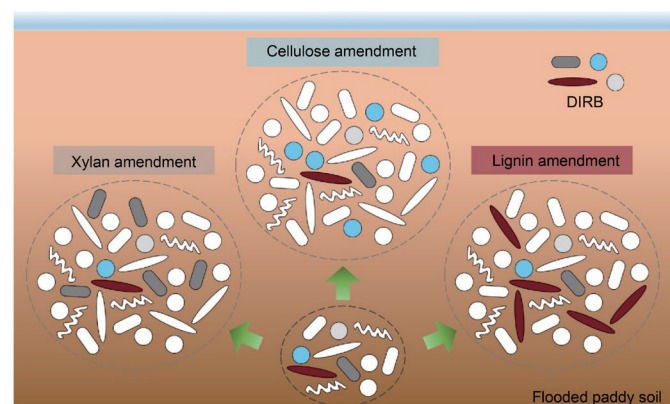
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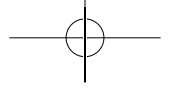


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230193 Impact of metal polluted sewage water on soil nematode assemblages in agricultural settings of Aligarh, India

Mohammed F.S.A. Ghanem, Shahid Afzal, Humira Nesar, Zarrin Imran, Wasim Ahmad

230194 Lignocellulosic fraction-induced niche differentiation within dissimilatory iron reducing bacterial groups in a paddy soil

Yunbin Jiang, Wenting Hu, Kailou Liu, Shangshu Huang, Fengwu Zhou, Cheng Han, Huan Deng, Wenhui Zhong

230187 Invasive weed disrupts facilitation of nutrient uptake in grass-clover assemblage

Wei Zhang, Rick Muir, Nicholas Dickinson

230188 N-cycle gene abundance determination of N mineralization rate following re-afforestation in the Loess Plateau of China

Yaping Zhao, Yuqing Zhao, Shuohong Zhang, Yulin Xu, Xinhui Han, Gaihe Yang, Chengjie Ren

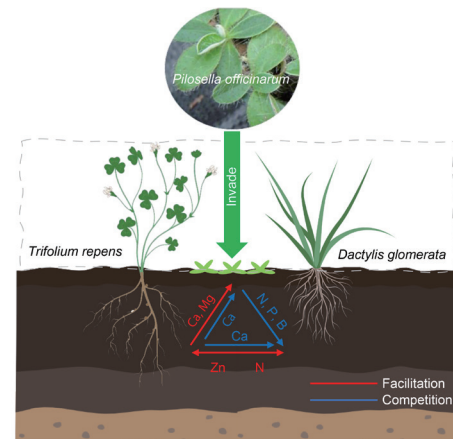
230192 Divergent responses of growth rate and antioxidative system of ten *Bacillus* strains to acid stresses

Xiaoran Shan, Jiayi Chen, Jiaen Zhang, Ziqiang Liu, Shufang Chen, Hui Wei

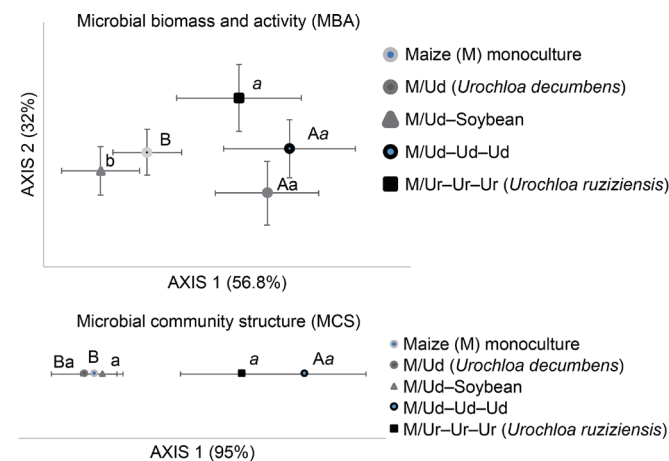
230191 Different no-till grain production systems with *Urochloa* spp. affect soil microbial community structure, biomass and activity in a tropical Ultisol

Matheus Emmanuel Oliveira Vieira, Lucas Dantas Lopes, France Mário Costa, Viviane Talamini, Edson Patto Pacheco, Marcelo Ferreira Fernandes

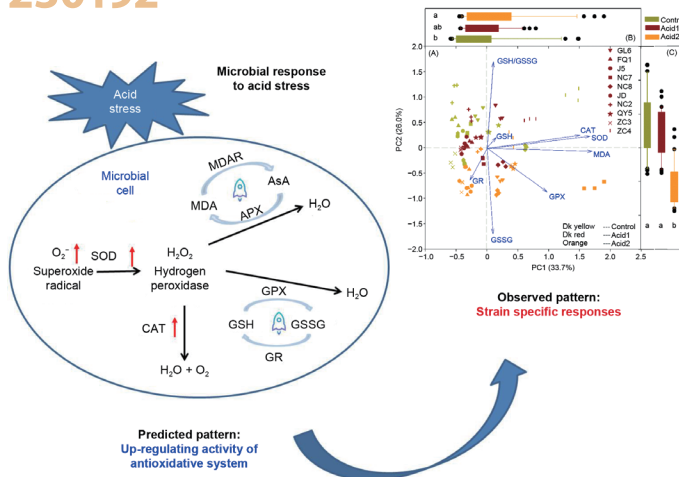
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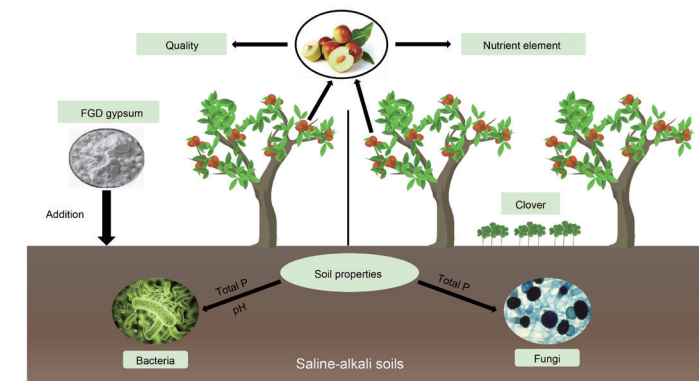
230181 Influence of different land-use types on selected soil properties related to soil fertility in A Luoi District, Thua Thien Hue, Vietnam

Khoa Phuc Nguyen, Tan Trong Tran, Huy Dinh Le, Phuong Thuy Nguyen, Hien Thao Thi Pham, Dien Thanh Nguyen, Ngu Huu Nguyen

230185 Effects of flue gas desulfurization gypsum and clover planting on qualities of soil and winter jujube in coastal saline-alkali orchard of north China

Qi Shao, Xuejing Xia, Guihua Li, Hui Li, Jitong Lin, Yanhong Lou, Quangang Yang, Hui Wang, Zhongchen Yang, Hong Pan, Yuping Zhuge

230185



230184



COVER

Microplastic (MP) pollution has become an issue of global concern. Earthworm *Eisenia fetida* is the standard organism used in soil ecotoxicological tests. However, effects of MPs on earthworms remain controversial. In this study, the effects of LDPE MPs and Cd on earthworm were investigated. Zhang et al. (Article number: 230184) shows LDPE had no effect on the mortality, growth, and reproduction of earthworm. Low-density polyethylene microplastics partially alleviate the ecotoxicological effects induced by cadmium exposure on the earthworm. The results of this study are critical to assessing the synergistic impacts of pollution with MPs and heavy metals on soil fauna.

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