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Research Interests

- **Basic research and application on microbial resources**
- **Supervision and management for microbial fertilizer industry**
- **Standardization for microbial fertilizer**
- **Risk assessment for microbial fertilizer**

Publication

Impact of 36 years of nitrogen fertilization on microbial community composition and soil carbon cycling-related enzyme activities in rhizospheres and bulk soils in northeast China,Applied Soil Ecology,2019,DOI:10.1016/j.apsoil.2018.12.019

Responses of fungal community composition to long-term chemical and organic fertilization strategies in Chinese Mollisols,MicrobiologyOpen ,2018,DOI:10.1002/mbo3.597

Effect of long-term fertilization strategies on bacterial community composition in a 35-year field experiment of Chinese Mollisols,AMB Express,2018,DOI:10.1186/s13568-018-0549-8

Chronic fertilization of 37 years alters the phylogenetic structure of soil arbuscular mycorrhizal fungi in Chinese Mollisols,AMB Express,2018, DOI:10.1186/s13568-018-0587-2

Long-term fertilization changes bacterial diversity and bacterial communities in the maize rhizosphere of Chinese Mollisols,Applied Soil Ecology, 2018, DOI:10.1016/j.apsoil.2017.12.007

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Consistent effects of nitrogen fertilization on soil bacterial communities in black soils for two crop seasons in China,Scientific Reports,2017, DOI:10.1038/s41598-017-03539-6.

34-years of nitrogen fertilization decreases fungal diversity and alters fungal community composition in black soil in northeast China, Biology and Fertility of Soils, 2016, DOI:10.1016/j.soilbio.2015.12.012

Analysis of Microbial Molecular Ecology Techniques in Constructed Rapid Infiltration system, Journal of Earth Science,2011, DOI:10.1007/s12583-011-0218-1

Experiment instructor for soil microbial ecology,Beijing/China Agricultural Science and Technology Press,2020, ISBN:9787511648945

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