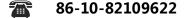


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## **Research Interests**

- •Biological nitrogen fixation of legume green manure
- Activating insoluble phosphorus of green manure
- Germplasm resources of green manure crops

## **Publication**

The chromosome-level genome assembly of Astragalus sinicus and comparative genomic analyses provide new resources and insights for understanding legume-rhizobial interactions, Plant Communications, 2022, DOI: 10.1016/j.xplc.2021.100263

Co-incorporating leguminous green manure and rice straw drives the synergistic release of carbon and nitrogen, increases hydrolase activities, and changes the composition of main microbial groups, Biology and Fertility of Soils, 2021, DOI: 10.1007/s00374-021-01547-3

Spectroscopic characteristics of water-extractable organic matter from different green manures, Environmental Technology, 2020, DOI:10.1080/09593330.2020.1738560

Archaea are the predominant and responsive ammonia oxidizing prokaryotes in a red paddy soil receiving green manures, European Journal of Soil Biology, 2018, DOI: 10.1016/j.ejsobi.2018.05.008

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Effects of incorporating Chinese milk vetch on reductive material characteristics and greenhouse gas emisions in paddy soil ( CN ) , Acta Prataculturae Sinica, 2018, DOI: 10.11686/cyxb2018029

Effects of planting and incorporation of Chinese milk vetch coupled with application of chemical fertilizer on active organic carbon and nitrogen in paddy soil (CN), Acta Pedologica Sinica, 2017, DOI:10.11766/trxb201607050273

Long-Term Difference Fertilizations Changed the Chemical and Spectrum Characteristics of DOM of the Irrigation-Desert Soil in North-Western China (CN), Spectroscope and Spectral Analysis, 2016

Effects of Green Manures on Soil Dissolved Organic Matter in Moisture Soil in North China (CN), Spectroscope and Spectral Analysis, 2017

Nitrogen fixation and transfer efficiency of common vetch and hairy vetch in wheat-vetch intercropping system in northwest China (CN), Journal of Plant Nutrition and Fertilizers, 2020, DOI: 10.11674/zwyf.20387

Symbiotic compatibility among different rhizobia strains and main Chinese milk vetch (Astragalus sinicus) cultivars (CN), Acta Pedologica Sinica, 2022

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