



INSTITUTE OF AGRICULTURAL RESOURCES
AND REGIONAL PLANNING , CAAS

Zhang Ruifu



Professor



Ph.D. Supervisor



86-10-82108634



zhangruifu@caas.cn



Innovation Team of Agricultural Microbial Resources, IARRP, CAAS



Ziyuan Building, 12 Zhongguancun Nandajie Street, Haidian District, Beijing, China

Research Interests

- Rhizosphere microbiology and biofertilizer
- Microbial degradation of agricultural organic wastes and organic fertilizer

Publication

Specialized metabolic functions of keystone taxa sustain soil microbiome stability, Microbiome, 2021, DOI:10.1186/s40168-020-00985-9

Functional compensation dominates the assembly of plant rhizospheric bacterial community, Soil Biology & Biochemistry, 2020, DOI:10.1016/j.soilbio.2020.107968

A predatory myxobacterium controls cucumber Fusarium wilt by regulating the soil microbial community, Microbiome, 2020, DOI:10.1186/s40168-020-00824-x

Antibiotic bacillomycin D affects iron acquisition and biofilm formation in *Bacillus velezensis* through a Btr-mediated FeuABC-dependent pathway, Cell Reports, 2019, DOI:10.1016/j.celrep.2019.09.061

Diversity-triggered deterministic microbiome assembly compromises ecosystem functions, Nature Communications, 2019, DOI:10.1038/s41467-019-11787-5