INSTITUTE OF AGRICULTURAL RESOURCES
AND REGIONAL PLANNING , CAAS

# Zhou Wei

**Professor**

**Ph.D. Supervisor**

**86-10-82108671**

**zhouwei02@caas.cn**

**Innovation Team of Plant Nutrition,IARRP,CAAS**

**Quhua Building, 12 Zhongguancun Nandajie Street, Haidian District, Beijing, China**

## Research Interests

- **Plant nutrition biology**
- **Nutrient cycling**
- **Nutrient management**

## Publication

**Partial substitution of chemical nitrogen with organic nitrogen improves rice yield, soil biochemical indictors and microbial composition in a double rice cropping system in south China**, Soil & Tillage Research, 2021, DOI: 10.1016/j.ejsobi.2021.103288

**Wheat rhizodeposition stimulates soil nitrous oxide emission and denitrifiers harboring the nosZ clade I gene**, Soil Biology and Biochemistry, 2020, DOI: 10.1016/j.soilbio.2020.107738

**Optimizing rates and sources of nutrient input to mitigate nitrogen; phosphorus; and carbon losses from rice paddies**, Journal of Cleaner Production, 2020, DOI: 10.1016/j.jclepro.2020.120603

**Soil nutrient and microbial activity responses to two years after maize straw biochar application in a calcareous soil**, Ecotoxicology and Environmental Safety, 2019, DOI: 10.1016/j.ecoenv.2019.04.073

**Soil C/N and pH together as a comprehensive indicator for evaluating the effects of organic substitution management in subtropical paddy fields after application of high-quality amendments**, Geoderma, 2019, DOI: 10.1016/j.geoderma.2018.11.023

**Evident variations of fungal and actinobacterial cellulolytic communities associated with different humified particle-size fractions in a long-term fertilizer experiment**, Soil Biology and Biochemistry, 2017, DOI: 10.1016/j.soilbio.2017.05.022

**Variable responses of ammonia oxidizers across soil particle-size fractions affect nitrification in a long-term fertilizer experiment**, Soil Biology and Biochemistry, 2017, DOI: 10.1016/j.soilbio.2016.11.005

**A distinctive root-inhabiting denitrifying community with high N2O/(N2O+N2) product ratio**, Soil Biology and Biochemistry, 2017, DOI: 10.1016/j.soilbio.2017.02.008

**Characteristics of maize biochar with different pyrolysis temperatures and its effects on organic carbon, nitrogen and enzymatic activities after addition to fluvo-aquic soil**, Science of the Total Environment, 2015, DOI: 10.1016/j.scitotenv.2015.08.026