INSTITUTE OF AGRICULTURAL RESOURCES
AND REGIONAL PLANNING , CAAS

Zhai Limei

Professor

Ph.D. Supervisor

86-10-82106737

zhailimei@caas.cn

Innovation Team of Non-point Source Pollution Control,IARRP, CAAS

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

Research Interests

- **Characteristics of agricultural non-point source pollution on field and**

- **Agricultural non-point source pollution control**

Publication

The reactive nitrogen loss and GHG emissions from amaize system after a long-term livestock manure incorporation in the North China Plain, Science of the Total Environment, 2020, DOI: 10.1016/j.scitotenv.2020.137558

Characteristics of nitrogen losses from a paddy irrigation-drainage unit system, Agriculture, Ecosystems and Environment, 2019, DOI: 10.1016/j.agee.2019.106629

Cross-ridge tillage decreases nitrogen and phosphorus losses from sloping farmlands in southern hilly regions of China, Soil & Tillage Research, 2019, DOI: 10.1016/j.still.2019.03.015

An innovative approach to identifying agricultural pollution sources and loads by using nutrient export coefficients in watershed modeling, Journal of Hydrology, 2019, DOI: 10.1016/j.jhydrol.2019.01. 043

Influences of agricultural land use composition and distribution on nitrogen export from a subtropical watershed in China, Science of the Total Environment, 2018, DOI: 10.1016/j.scitotenv.2018. 06.048

How long-term excessive manure application affects soil phosphorous species and risk of phosphorous loss in fluvo-aquic soil, Environmental Pollution, 2020, DOI: 10.1016/j.envpol.2020. 115304

Risks of phosphorus runoff losses from five Chinese paddy soils under conventional management practices, Agriculture, Ecosystems and Environment, 2017, DOI: 10.1016/j.agee.2017.05. 015

Short-term effects of maize residue biochar on phosphorus,availability in two soils with different phosphorus sorption,capacities, Biology and Fertility of Soils, 2015, DOI: 10.1007/s00374- 014-0954-3

Comprehensive environmental impacts of fertilizer application vary among different crops: Implications for the adjustment of agricultural structure aimed to reduce fertilizer use, Agricultural Water Management, 2018, DOI: 10.1016/j.agwat.2018.07.044

Effect of irrigation-drainage unit on phosphorus interception in paddy field system, Journal of Environmental Management, 2019, DOI: 10.1016/j.jenvman.2019.01.059