



INSTITUTE OF AGRICULTURAL RESOURCES  
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### Research Interests

- Soil fertility's improvement
- Soil ecology
- Soil C & N cycling

### Publication

**Straw burial depth and manure application affect the straw-C and N sequestration: Evidence from 13C & 15N-tracing**, Soil and Tillage Research, 2021, DOI: 10.1016/j.still.2020.104884

**Estimation of soil organic carbon losses and counter approaches from organic materials in black soils of northeastern China**, Journal of Soils and Sediments, 2020, DOI: 20:1241-1252

**Effects of Lime Content on Soil Acidity, Soil Nutrients and Crop Growth in Rice-Rape Rotation System(CN)**, Scientia Agricultura Sinica, 2020, DOI: 10.3864/j.issn.0578-1752.2019.23.009

**Assessment of the contribution percentage of inherent soil productivity of cultivated land in China**, Journal of Integrative Agriculture, 2019, DOI: 10.1016/S2095-3119(18)62152-5

**Investigation of the spatial heterogeneity of soil microbial biomass carbon and nitrogen under long-term fertilizations in fluvo-aquic soil**, PLoS ONE, 2019, DOI: 14(4): e0209635



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**The efficiency of long-term straw return to sequester organic carbon in Northeast China's cropland**, Journal of Integrative Agriculture, 2018, DOI: 10.1016/S2095-3119(17)61739-8

**Fertilizer type and organic amendments affect gross N dynamics in a Chinese Chernozem**, European Journal of Soil Science, 2018, DOI: 10.1111/ejss.12724

**Crop yield and soil organic matter after long-term straw return to soil in China**, Nutrient Cycling in Agroecosystems, 2015, DOI: 10.1007/s10705-015-9710-9

**Soil organic carbon sequestration under different fertilizer regimes in north and northeast China: RothC simulation**, Soil Use and Management, 2013, DOI: 10.1111/sum.12032

**Assessment of soil contamination with Cd, Pb and Zn and source identification in the area around the Huludao Zinc Plant**, Journal of Hazardous Materials, 2010, DOI: 10.1016/j.jhazmat.2010.07.043

**Evolution principles of cultivated land quality in the past 30 years (CN)**, China Agriculture Press, 2019, ISBN: 9787109255050

**Evolution of Soil Fertility in China (CN)**, China Agricultural Science and Technology Press, 2015, ISBN: 9787511621320