



INSTITUTE OF AGRICULTURAL RESOURCES  
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## Research Interests

- Vegetable nutrient management
- Drip fertigation technology for greenhouse vegetable
- Efficient utilization of fertilizer resources

## Publication

**Partial substitution of chemical fertilizer with organic amendments affects soil organic carbon composition and stability in a greenhouse vegetables**, Soil & Tillage Research, 2019, DOI: 10.1016/j.still.2019.04.009

**Aggregate-associated changes in nutrient properties, microbial community and functions in a greenhouse vegetable field based on an eight-year fertilization experiment of China**, Journal of Integrative Agriculture, 2020, DOI: 10.1016/S2095-3119(20)63269-5

**Soil microbial characteristics and yield response to partial substitution of chemical fertilizer with organic amendments in greenhouse vegetable production**, Journal of Integrative Agriculture, 2018, DOI: 10.1016/S2095-3119(18)61946-X

**Organic amendment increases soil respiration in a greenhouse vegetable production system through decreasing soil organic carbon recalcitrance and increasing carbon-degrading microbial activity**, Journal of Soils and Sediments, 2020, DOI: 10.1007/s11368-020-02625-z



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**Effects of straw addition on increased greenhouse vegetable yield and reduced antibiotic residue in fluvo-aquic soil**, Journal of Integrative Agriculture, 2015, DOI: 10.1016/S2095-3119(14)60878-9

**Status of heavy metals in agricultural soils as affected by different patterns of land use**, Environmental Monitoring and Assessment, 2008, DOI: 10.1007/s10661-007-9838-4

**Effects of potassium application on flavor compounds of cherry tomato fruits**, Journal of Plant Nutrition, 2009, DOI: 10.1080/01904160903092663

**Effects of nitrogen application on flavor compounds of cherry tomato fruits**, Journal of Plant Nutrition and Soil Science, 2007, DOI: 10.1002/jpln.200700011

**Spatial variability of soil nutrients and influencing factors in a vegetable production area of Hebei province in China**, Nutrient Cycling in Agroecosystems, 2006, DOI: 10.1007/s10705-006-9027-9

**Spatial variability of nitrate in cabbage and nitrate-N in soil**, Soil Science, 2004, DOI: 10.1097/01.ss.0000142634.87784.fa

**Principle and technology of green and high efficiency precision fertilization for greenhouse vegetables(CN)**, Beijing/China Agricultural Science and Technology Press, 2019, ISBN: 978-7-5116-4508-1