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Research Interests

- **Compound microbial fertilizer and fertilization techniques for feild crops**
- **Soil fertility improvement by organic fertilizer, especially by straw return techniques using straw decomposing agents.**
- **Microbial inoculants and applications for agricultural wastes composting.**
- **Nutrient utilization of organic fertilizer and Recyclable agricultural techniques for small farmland particularly less developed area.**

Publication

Impact of biochar and lignite-based amendments on microbial communities and greenhouse gas emissions from agricultural soil,Vadose Zone Journal,2020, DOI:10.1002/vzj2.20105

Identification of Pule'an Tablets based on DNA barcoding molecular technology,Acta Pharmaceutica Sinica ,2020, DOI:10.16438/j.0513-4870.2019-1005

Effects of Biodegradation Agents on Straw Degradation in Two Kinds of Straw Returning,Chinese Agricultural Science Bulletin,2013, DOI:10.3969/j.issn.1000-6850.2013.03.032

Effects of InorganicElem entson W heatStraw Degradation by Biodegradation Strains,Chinese Agricultural Science Bulletin,2013, DOI:10.3969/j.issn.1000-6850.2013.06.006

Isolation and Identification of a Cellulose Degrading Fungus Y5 and Its Capability of Degradating Wheat Straw, Environmental science, 2011, DOI:10.1631/jzus.A1010009

Decom position process of rice straw in upland soil and effects of stalk —degradable microbial preparation,Soil and Fertilizer Sciences in China,2015,DOI:10.11838/sfsc.20150219

Response of soil biological activities to drip irrigation in winter wheat of Henan province(CN),Soil and Fertilizer Sciences in China,2017, DOI:10.11838/sfsc.20170608

Practical technology of returning Straw to soil(CN),Beijing/China Agricultural Publishing House,2014, ISBN:9787109198395

Three-dimensional cultivation techniques of intercropping and interplanting in Orchard(CN),Beijing/China Agricultural Publishing House,2014, ISBN:9787109194847