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### Research Interests

- Soil carbon cycling
- Nutrient resources management
- Nutrient cycling and biological transformation

### Publication

**Organic amendment application regulates soil microbial biomass and activity in wheat-maize and wheat-soybean rotation systems**, Agriculture, Ecosystems and Environment, 2022, DOI: 10.1016/j.agee.2022.107974

**Combined biochar and nitrogen fertilizer change soil enzyme and microbial activities in a 2-year field trial**, European Journal of Soil Biology, 2020, DOI: 10.1016/j.ejsobi.2020.103212

**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

**Responses of soil nutrients and microbial activities to additions of maize straw biochar and chemical fertilization in a calcareous soil**, European Journal of Soil Biology, 2018, DOI: 10.1016/j.ejsobi.2017.11.003