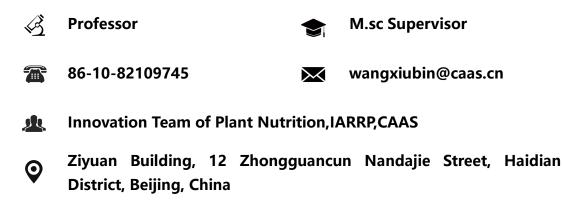


Wang Xiubin



Research Interests

- •Soil carbon and nitrogen cycling
- •Efficient use of fertilizer
- •Research and application of biochar-based fertilizer

Publication

High adsorption capacity of MgeAl-modified biochar for phosphate and its potential for phosphate interception in soil, Chemosphere, 2020, DOI: 10.1016/j.chemosphere.2020.127469

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

The fate of 15N-labelled urea in an alkaline calcareous soil under different N application rates



and N splits, Nutrient Cycling in Agroecosystems, 2016, DOI: 10.1007/s10705-016-9806-x

Short-Term Responses of Soil Respiration and C-Cycle Enzyme Activities to Additions of Biochar and Urea in a Calcareous Soil, Plos one, 2016, DOI: 10.1371/journal.pone.0161694

Characteristics of maize biochar with different pyrolysis temperatures and its effects on organic carbon, nitrogen and enzymatic activities after addition to fluvo-aquic soil, Science of the Total Environment, 2015, DOI: 10.1016/j.scitotenv.2015.08.026

Maize biochar addition rate influences soil enzyme activity and microbial community composition in a fluvo-aquic soil, Applied Soil Ecology, 2015, DOI: 10.1016/j.apsoil.2015.08.018

The alleviation of acid soil stress in rice by inorganic or organic ameliorants is associated with changes in soil enzyme activity and microbial community composition, Biology and Fertility of Soils, 2015, DOI: 10.1007/s00374-015-0994-3

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