Mingming Sun

Associate Professor of Soil Ecology

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Education:

- Ph.D., Institute of Soil Science, Chinese Academy of Sciences; Ecology, 2013
- B.S., Nanjing Normal University; Biological Sciences, 2008

Professional Experience

- Associate Professor, Soil Ecology, Nanjing Agricultural University, 2016-present
- Postdoctoral researcher, Soil and Crop Sciences, Texas A&M University, 2015-2017
- Lecturer, Soil Ecology, Nanjing Agricultural University, 2013-2016

Research interests and expertise:

My research is on the environmental behavior of organic and metallic contaminants in soils with special emphasis on remediation. Two specific areas, including 1) risk control and ecological remediation of Brownfield sites; and 2) the dissemination mechanism of antibiotic resistance genes and biocontrol technique in agricultural soil have been the focus of the research in our laboratory.

Selected publications:

- **M Sun,** *et al.* (2018) Changes in tetracycline partitioning and bacteria/phage-mediated ARGs in microplastic-contaminated greenhouse soil facilitated by sophorolipid. Journal of Hazardous Materials, pp131-139.
- **M Sun,** *et al.* (2017) Dynamic interplay between microbial denitrification and antibiotic resistance under enhanced anoxic denitrification condition in soil. Environmental Pollution, pp583-591.
- **M Sun,** *et al.* (2016) Human migration activities drive the fluctuation of ARGs: Case study of landfills in Nanjing, eastern China. Journal of Hazardous Materials, pp93-101.
- **M Sun,** *et al.* (2015) Positive relationship detected between soil bioaccessible organic pollutants and antibiotic resistance genes at dairy farms in Nanjing, Eastern China. Environmental Pollution, pp421-428.
- **M Sun,** *et al.* (2015) Impact of bioaccessible pyrene on the abundance of antibiotic resistance genes during *Sphingobium* sp.- and sophorolipid-enhanced bioremediation in soil. Journal of Hazardous Materials, pp121-128.