



Liu Xiao



Professor



M.sc Supervisor



86-15902294922



liuxiao03@caas.cn



Innovation Team of Soil-Plant Interactions, IARRP, CAAS



Dongpei Building, 12 Zhongguancun Nandajie Street, Haidian District,
Beijing, China

Research Interests

- Fate of new contaminants in the environment
- Multi-element compound-specific isotope analysis
- Degradation mechanisms of organic pollutants

Publication

Sulfamethoxazole Transformation by Heat-Activated Persulfate: Linking Transformation Products Patterns with Carbon and Nitrogen Isotope Fractionation, Environmental Science & Technology, 2025, DOI: 10.1021/acs.est.4c09732

Direct Phototransformation of Sulfamethoxazole Characterized by Four-Dimensional Element Compound Specific Isotope Analysis, Environmental Science & Technology, 2024, DOI: 10.1021/acs.est.4c02666

Uptake and transformation of hexachlorocyclohexane isomers (HCHs) in tree growth rings at a contaminated field site, Environmental Science & Technology, 2023, DOI: 10.1021/acs.est.3c01929

Uptake and Metabolization of HCH Isomers in Trees Examined over an Annual Growth Period by Compound-Specific Isotope Analysis and Enantiomer, Environmental Science & Technology, 2022, DOI: 10.1021/acs.est.2c02697

Soil from a Hexachlorocyclohexane Contaminated Field Site Inoculates Wheat in a Pot Experiment to Facilitate the Microbial Transformation of β -Hexachlorocyclohexane Examined by Compound-Specific Isotope Analysis, Environmental Science & Technology, 2021,



INSTITUTE OF AGRICULTURAL RESOURCES
AND REGIONAL PLANNING , CAAS

DOI: 10.1021/acs.est.1c03322

Compound-Specific Isotope Analysis and Enantiomer Fractionation to Characterize the Transformation of Hexachlorocyclohexane Isomers in a Soil–Wheat Pot System, Environmental Science & Technology, 2020, DOI: 10.1021/acs.est.9b07609

Determination of Stable Hydrogen Isotopic Composition and Isotope Enrichment Factor at Low Hydrogen Concentration, Analytical Chemistry, 2023, DOI: 10.1021/acs.analchem.3c03214

