



# LIZ SHAW

Prof Soil Microbiology  
and Biochemistry

## CONTACT

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## RESEARCH INTERESTS

- Microbial ecology and microbial C and N cycling functioning of soil and rhizosphere
- Microbiology of organic pollutant and natural organic matter bioavailability and biodegradation
- Plant-microbe and earthworm-microbe interactions
- Microbial ecotoxicology of nanomaterials

## ONGOING WORK

- Understanding the biophysical processes and extension mechanisms of Zero Budget Natural Farming (ZBNF) to support its wider application – *GCRF project*
- Decoding Nitrogen Dynamics in Soil through Novel Integration of in-situ Wireless Soil Sensors with Numerical Modeling - *NERC-NSF Signals in the Soil*
- How do earthworms and soil microbial communities interact to determine the fate of organic matter amendments to soil – *NERC PhD*
- Optimizing nitrogen in babyleaf salad crops for sustainable crop production – *BBSRC PhD*