



# I am an Environmental Biotechnologist....



Wenjun Peng,  
University of Sheffield

My work involves experimental and modelling evaluation of biochar in anaerobic digestion of food waste and biomethanation of hydrogen. As a researcher, I hope I can contribute to the future of clean energy by improving methane yields in stable digestion processes.

I aim to reduce the environmental impact of poultry litter by using anaerobic digestion, ammonia stripping and electro-coagulation to aggregate nitrogen, phosphates and potassium into a stable, bioavailable fertiliser.

Deborah Hall, Harper Adams University



Maggie White, Newcastle University

I believe we can harness the natural interaction of microbes and minerals to develop sustainable water treatment technologies targeting micro-pollutants, and that such low-carbon approaches are critical if we are to achieve net zero by 2050.