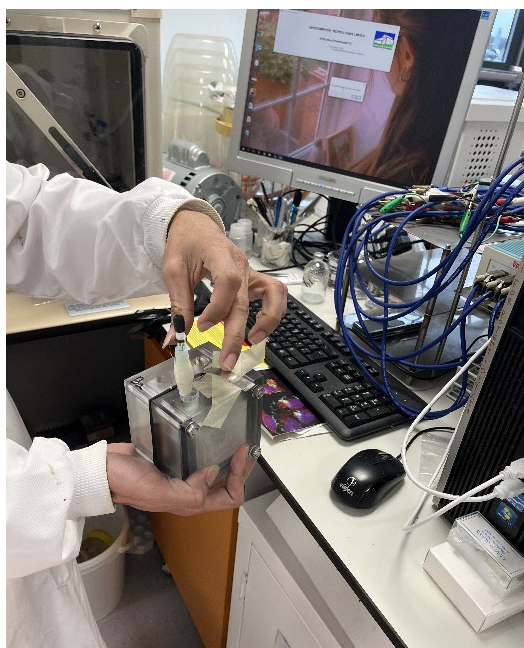


EBNet SWAP Bursary

Zhufang Wang, University of Surrey

Dr Ahsan Islam's Laboratory, Loughborough University

I'm a PhD candidate based at the School of Sustainability, Civil & Environmental Engineering at the University of Surrey. I'm majoring in wastewater treatment by microbial technologies, especially anaerobic ammonium oxidation (anammox). I was awarded an EBNet SWAP bursary to visit Dr Ahsan Islam's group at the University of Loughborough.



During my visit to Dr Ahsan's lab, I had the privilege of being guided by his PhD student, Abbas, who introduced me to the innovative microbial electrolysis cells utilized for wastewater purification and biofuel production experiments. Also, he kindly demonstrated utilizing the potential station to measure the current generated by these devices.



Additionally, Roman, another PhD student, showed me his model for the rapid enrichment of anaerobic ammonium oxidation bacteria. This immersive experience provided me with a comprehensive understanding of electrochemical experimental techniques, which I am certain will greatly benefit my ongoing project.



I extend my deepest gratitude to EBNet for generously providing the funding that enabled me to embark on my transformative journey to Dr Ahsan Islam's lab at the University of Loughborough, delving into the fascinating realm of microbial electrochemistry.

For an accompanying audio clip from Zhufang on her experience of the BES WG workshop on Bioelectrochemistry for Environmental Systems Workshop, see <https://youtu.be/xe8TkY2JeHQ>

