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Professor
School of Energy, Geoscience, Infrastructure and Society
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Research interests

I am an environmentalist having a special interest in contaminated water and soil treatment. My work on subsurface arsenic remediation without any use of chemicals or waste generation received worldwide acclaim for novelty and sustainability. I have been involved in environmental research with a special focus on low-cost water and wastewater in Asian countries over the past 30 years. During this time, I implemented many groundwater/soil remediation projects in India, Malaysia, Bangladesh, Cambodia, Chile and Mexico. I received numerous awards including IChemE (UK) Ambani prize for outstanding innovation in 2009, St Andrews Prize for the Environment, Times Higher Outstanding Research Team award and UK's sustainability Award in 2010, Energy Globe Award in 2011, Green Apple Award (Irish Champion) in 2012 and Northern Ireland's first all-party development award in 2013. In 2012, I was awarded Officer of the Excellent Order of the British Empire or OBE for Excellence in International Environmental Research and contribution to Higher Education.

Employment

Professor

School of Energy, Geoscience, Infrastructure and Society
Heriot-Watt University
1 Oct 2014 → present

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