

Curriculum Vitae

Reza Habibiandehkordi

Contact Information

Lancaster Environment Centre
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Academic Qualifications

2011- 2014 PhD in Environmental Science, Lancaster University, UK
2000- 2003 MSc in Soil Science, Isfahan University of Technology, Iran
1995- 1999 BSc in Soil Science, Isfahan University of Technology, Iran

Research Interests

- Reuse of industrial by-products for environmental remediation technologies
 - Phosphorus transport in overland and sub-surface flow
 - Mitigation strategies to address water quality
 - Mechanisms of phosphorus sorption by soils and industrial by-products
 - Rainfall-runoff modelling
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Research Experience

2011- 2014 PhD Researcher, Lancaster University, United Kingdom
2008- Present Soil Scientist, Abadi Hafeghlim Consulting Engineers, Iran
2006- 2007 Visiting Research Assistant, Griffith University, Australia
2004- 2005 Research Soil Scientist, Isfahan University of Technology, Iran

Publications

1. Peer reviewed journals

Habibiandehkordi, R., Quinton, J. N., Surridge, B. W. J. (2014). Enhancing soluble phosphorus removal within buffer strips using industrial by-products, *Environmental Science and Pollution Research*, DOI: 10.1007/s11356-014-3164-5

Habibiandehkordi, R., Quinton, J. N., Surridge, B. W. J. (2014) Effect of equilibration time on estimates of the maximum phosphorus sorption capacity of industrial by-products using the Langmuir model, *Journal of Soils and Sediments*, DOI: 10.1007/s11368-014-0936-y

Habibiandehkordi, R., Quinton, J. N., Surridge, B. W. J. (2014). Can industrial by-products enhance phosphorus retention within vegetated buffer strips? *European Journal of Soil Science*, (accepted on 22/08/2014).

Ghorbani, B., Jalalian, A., Habibian, R. (2012). Assessment and simulation of biological soil conservation countermeasure (Case study: Northern Karoon River Watershed, Iran). *International Journal of Forest, Soil and Erosion (IJFSE)*, 2(4), 180-185.

2. Conference proceedings

Habibiandehkordi, R., Quinton, J. N., Surridge, B. W. J. Reuse of industrial reactive by-products for tackling diffuse phosphorus pollution. Annual meeting of the British Society of Soil Science, 3-5 September 2013, Lancaster University, Lancaster, UK.

Habibiandehkordi, R., Quinton, J. N., Surridge, B. W. J. The effect of ochre applied to buffer zones on soluble phosphorus retention during combined surface and subsurface flow conditions, December 2012, American Geophysical Union, San Francisco, USA.

Habibiandehkordi, R., Quinton, J. N., Surridge, B. W. J. Enhancing the performance of buffer zones for controlling soluble phosphorus loss. Workshop on Diffuse Agricultural Pollution Methods, 25-26 September 2012, North Wyke, Okehampton, Devon, UK.

Habibiandehkordi, R., Jalalian, A., Ghorbani, B. (2003). Assessment of soil mechanical conservation measures using European Soil Erosion Model (EUROSEM). The 8th Iranian Soil Science Congress, September 2002, University of Guilan, Rasht, Iran.

Technical Skills

- Particle size analyser
 - Nutrient automated analyser
 - Inductively Coupled Plasma Mass Spectrometry
 - Rainfall-runoff experimentations in field and laboratory
 - Column leaching experimentation
 - Sorption-desorption models
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Computer Skills

- Microsoft Office
 - EUROSEM
 - SPSS
 - Curve Expert
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Teaching Experience

- Certificate for completion of TKT (Teaching Knowledge Test), 2010
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Manuscript Peer Reviewer

- European Journal of Soil Science
 - Journal of Soils and Sediments
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Recent Awards/Grants

- Best oral presentation award (The CSWM Conference), Lancaster University
 - Faculty of Science and Technology Travel Grant
 - LEC International Student Bursary
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Professional Memberships

- British Society of Soil Science
 - International Union of Soil Science
 - Agricultural and Natural Resources Engineering Organisation of Iran
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