

Centre for Human and Animal Pathogens in the Environment outputs

Publications

- Avery, L.M. , Anchang, K.Y., Tumsweige, V., Strachan, N and Goude, P.J. 2014. Potential for Pathogen Reduction in Anaerobic Digestion in Sub-Saharan Africa Biomass and Bioenergy (in press).
- Elliott, G.N., Hough, R.L., Avery, L.M., Maltin, C. and Campbell, C.D. 2014. Environmental risk factors in incidence of Johne's disease. *Critical Reviews in Microbiology* (in press).
- Brennan, F.P., Moynihan, E., Griffiths, B., Hillier, S., Owen, J., Pendlowski, H., Avery, L. 2014. [Clay mineral type effect on bacterial enteropathogen survival in soil](#). *Science of the Total Environment* 468-469, 302-305.
- Brennan, F.P., Grant, J., Botting, C., O'Flaherty, V., Richards, K., Abram, F. 2013. [Insights into the low temperature adaptation and nutritional flexibility of a soil persistent *Escherichia coli*](#). *FEMS Microbiology Ecology* 84, 75-85.
- Moynihan, E., Richards, K., Ritz, K., Tyrrel, S., Brennan, F.P. 2013. [The impact of soil type, biology and temperature on the environmental persistence of non-toxicogenic *E. coli* O157](#). *Biology and Environment: Proceedings of the Royal Irish Academy* 113B, 41-46.
- Wright, K.M., Chapman, S., McGeachy, K., Humphris, S., Campbell, E., Toth, I.K. and Holden, N.J. 2013. [The endophytic lifestyle of *Escherichia coli* O157:H7: quantification and internal localization in roots](#). *Phytopathology* 103, 333-340
- Rossez, Y., Holmes, A., Wolfson, E.B., Gally, D.L., Mahajan, A., Pedersen, H.L., Willats, W.G.T., Toth, I.K. and Holden, N.J. 2013. [Flagella interact with ionic plant lipids to mediate adherence of pathogenic *Escherichia coli* to fresh produce plants](#). *Environmental Microbiology* (online early).
- Holden, N.J., Wright, F., MacKenzie, K., Marshall, J., Mitchell, S., Mahajan, A., Wheatley, R. and Daniell, T.J. 2013. [Prevalence and diversity of *Escherichia coli* isolated from a barley trial](#)

[supplemented with bulky organic soil amendments: green compost and bovine slurry.](#)

Letters in Applied Microbiology (online early).

- Pritchard, L., Holden, N.J., Bielaszewska, M., Karch, H. and Toth, I.K. 2012. [Alignment-free design of highly discriminatory diagnostic primer sets for Escherichia coli O104:H4 outbreak strains.](#) PLoS ONE 7, e34498.
- Elliott, G.N., Thomas, N., MacRae, M., Campbell, C.D., Ogden, I.D., Singh, B.K. 2012. [Multiplex T-RFLP allows for increased target number and enhanced specificity: Detection of Salmonella enterica and six species of Listeria in a single test.](#) PLoS ONE.
- Holden, N.J. 2010. [Plants as reservoirs for human enteric pathogens.](#) CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources 5, 1-11.
- Holden, N., Pritchard, L. and Toth, I. 2009. [Colonization outwith the colon: plants as an alternative environmental reservoir for human pathogenic enterobacteria.](#) FEMS Microbiological Reviews 33(4), 689-703. (doi:10.1111/j.1574-6976.2008.00153.x)
- Rosser, T., Dransfield, T., Allison, L., Hanson, M., Holden, N., Evans, J., Naylor, S., LaRagione, R., Low, J.C. and Gally, D.L. 2008. [Pathogenic potential of emergent sorbitol-fermenting Escherichia coli O157:NM. Infection and Immunity.](#) (doi:10.1128/IAI.01180-01108)
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Conferences and reports

- Avery, L.M., Smith, J. 2011. The potential of small-scale biogas digesters to improve livelihoods and long term sustainability of ecosystem services in sub-saharan Africa. Scottish Development Studies Association, University of Aberdeen, 14 October 2011.
- Smith, J., Abegaz, A., Avery, L.M., Balana, B.B., Davidson, G., Edwards, S., Eshete, G., Hailemichael, K., Leckie, S., Lemna, B., Mahteme, Y., Melamu, R., Mwirigi, J., Naik, L., Orskov, E.R., Pertiwinigrum, A. Subedi, M., Tumwesige, V., Yilma, D., Yongabi, K., Zenebe, G., Mugisha, J., Glenk, K., Walekhwa, P., Casson, E., Austin, G., Bechtel, K., Matthews, R., Goude,

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Posters

- [Soil and human health: The National Soils Inventory of Scotland](#) (PDF file: 267 KB)
- [Methods to investigate interactions between human pathogenic enterobacteria and plant hosts](#) (PDF file: 235 KB)
- [Do fimbriae and flagella mediate specific interactions between human pathogenic enterobacteria and plant hosts?](#) (PDF file: 444 KB)
- [Bacteria and our food](#) (PDF file: 717 KB)
- [Internalisation of human pathogenic enterobacteria into edible vegetables](#) (PDF file: 558 KB)
- [Molecular interactions between plant-associated Salmonella enterica serovars and their plant hosts](#) (PDF file: 611 KB)
- [Methods to investigate interactions between human pathogenic enterobacteria and plant hosts](#) (PDF file: 235 KB)