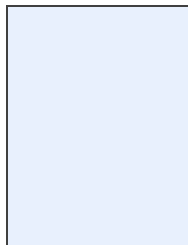


BIOGRAPHY

27th June 2012



Title and name

Dr. Declan J. Bolton

Nationality

Irish

Panel

Biological Hazards

Education

B.Sc., 1991, University College Dublin,

Ph.D. (Microbiology), 1995, University College Dublin

Graduate Diploma in Business Studies, 1997, Dublin Business School

Scientific and risk assessment experience

- Sources, ecology and control of food-borne bacterial pathogens
 - Incidence, epidemiology, transmission and pathogenicity of VTEC, Salmonella & Campylobacter
 - Risk analysis for meat slaughter HACCP & prerequisite development
 - Phenotypic and genotypic characterisation of antimicrobial resistance
 - Spoilage of vacuum packaged meat products
 - Risk assessment of pathogens in food
-

Main scientific publications

Sources, dissemination and control of bacterial pathogens from farm to fork.

- Bolton, D. J., Doherty, A. M. and Sheridan, J. J. (2001) Beef HACCP: Intervention and non-intervention systems. *International Journal of Food Microbiology*, 66, 119 – 129.
- Pearce, R. A., Bolton, D. J., Sheridan, J. J., McDowell, D. A. and Blair, I. S. and Harrington, D. (2003) Studies to determine the critical control points in pork slaughter hazard analysis and critical control point systems. *International Journal of Food Microbiology*, 90 (3), 331-339.
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- Toomey, N. Monaghan, A., Fanning, S. & Bolton, D. J. (2009) Transfer of antibiotic resistance marker genes between Lactic Acid Bacteria in model rumen and plant environments. *Applied and Environmental Microbiology*, 75 (10), 3146-3152.

- Bolton, D. J. (2010) Verocytotoxigenic (shiga toxin-producing) *Escherichia coli*: virulence factors and pathogenicity in the farm to fork paradigm. *Foodborne Pathogens and Disease* 8 (3), 357-365
 - Patriarchi, A., Maunsell, B., Fox, A., Fanning, S. & Bolton, D. J. (2011) Molecular characterisation and environmental mapping of *Campylobacter* in a subset of intensive poultry flocks in Ireland. *Foodborne Pathogens and Disease* 8 (1), 99-108.
 - Moschonas, G., Bolton, D. J., Sheridan, J. J. & McDowell, D. A. (2011) Diversity of Culturable Psychrophilic and Psychrotrophic Anaerobic bacteria isolated from beef abattoirs and their environments. *Applied and Environmental Microbiology*, 77, 4280-4284.
 - Bolton, D. J., Kelly, S., Lenahan, M. & Fanning, S. (2011) In vitro studies on the effect of pH and volatile fatty acid (VFA) concentration, as influenced by diet, on the survival of inoculated non-acid and acid adapted *Salmonella* in bovine rumen fluid and faeces. *Foodborne Pathogens and Disease*, 8 (5), 609-614.
 - Monaghan, A., Byrne, B., Fanning, S., Sweeney, T., McDowell, D. & Bolton D. J. (2011) Serotypes and virulence profiles of non-O157 shiga-toxin producing *Escherichia coli* (STEC) from bovine farms. *Applied and Environmental Microbiology*, 77 (24), 8662-8668.
 - Rajtak, U., Boland, F., Leonard, N., Bolton, D. J. & Fanning, S. (2011) The role of diet and acid tolerance response on the survival of common *Salmonella* serotypes in faeces of finishing pigs. *Applied and Environmental Microbiology* 78 (1), 110-119.
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