

BIOGRAPHY

2 July 2012



Title and name

Dr. Michael O'Keeffe

Nationality

Ireland

Panel

Contaminants in the Food Chain

Education

Ph.D. (Biochemistry), 1977, National University of Ireland

B.Sc. (Biochemistry), 1972, National University of Ireland

Scientific and risk assessment experience

- Planning, conducting, analysing, interpreting and publishing scientific data in broad areas of chemical food safety, including development of analytical methods, occurrence of residues in food, persistence studies, metabolites and bound residues
 - National Food Residue Database on chemical residues in Irish foods; application to exposure assessment and risk assessment for pesticides in different segments of the Irish population
 - Food Safety – approval of risk assessments on a range of chemical residues and contaminants, food additives, food contact materials
 - Risk-based meat inspection relating to chemical residues and contaminants
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Main scientific publications

Research studies on a broad range of chemical substances in food, covering analytical methods, occurrence of residues in food, persistence studies, metabolites and bound residues, etc.

Duffy E, Mooney MH, Elliott CT and O'Keeffe M, 2009. Studies on the persistence of estradiol benzoate and nortestosterone decanoate in hair of cattle following treatment with growth promoters, determined by ultra-high-performance liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, 1216, 8090-8095.

Danaher M, De Ruyck H, Crooks SRH, Dowling G and O'Keeffe M, 2007. Review of methodology for the determination of benzimidazole residues in biological matrices. *Journal of Chromatography B*, 845, 1-37.

Brunton NP, Gormley R, Butler F, Cummins E, Danaher M, Minihan M and O'Keeffe M, 2007. A survey of acrylamide precursors in Irish ware potatoes and acrylamide levels in French fries. *LWT*, 40, 1601-1609.

O'Keeffe M, Capurro E, Danaher M, Campbell K and Elliott CT, 2007. Investigation of the causes for the occurrence of residues of the anticoccidial feed additive nicarbazin in commercial poultry. *Food Additives and Contaminants*, 24, 923-934.

Cantwell H and O'Keeffe M, 2006. Evaluation of the Premi®Test and comparison with the One-Plate Test for the detection of antimicrobials in kidney. *Food Additives and Contaminants*, 23, 120-125.

O'Keeffe M, Conneely A, Cooper KM, Kennedy DG, Kovacsics L, Fodor A, Mulder PPJ, van Rhijn JA and Trigueros G, 2004. Nitrofurant antibiotic residues in pork: The FoodBRAND retail survey. *Analytica Chimica Acta*, 520, 125-131.

Horne E, Coyle T, O'Keeffe M, Alvinerie M, Galtier P and Brandon DL, 2003. Release of protein-bound residues of thiabendazole from liver. *Journal of Agricultural and Food Chemistry*, 51, 5552-5555.

Crabbe P, Meyer UJ, Zhi ZL, Pieraccini G, O'Keeffe M and Van Peteghem C, 2003. Screening and confirmation of clostebol and its metabolites in bovine urine with ELISA and GCMS: a comparative study. *Journal of Analytical Toxicology*, 27, 213-220.

Danaher M, O'Keeffe M and Glennon JD, 2001. Extraction and isolation of avermectins and milbemycins from liver samples using unmodified supercritical CO₂ with in-line trapping on basic alumina. *Journal of Chromatography B*, 761, 115-123.

O'Keeffe M and Farrell F, 2000. The importance of chemical residues as a food safety issue. *Irish Journal of Agricultural and Food Research*, 39, 257-264.
