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Engineering & Scientific Consulting

Gary Williams, Ph.D.
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Professional Profile

Dr. Williams specializes in crop protection, where he provides regulatory and technical advice and support to clients on all aspects of residues and dietary risk assessments. He has particular expertise and knowledge of the EU regulatory systems for pesticides and biocides at practical, technical and regulatory levels, which he uses to provide expert scientific and strategic consultation to clients, enabling them to gain successful active substance approvals and product registrations.

Dr. Williams evaluates data and prepares dossiers for submission to regulatory authorities. He is also expert in the preparation of submissions to the JMPR to obtain CODEX MRLs.

Dr. Williams is experienced in all aspects of chemistry and dietary exposure data that support the authorisation of plant protection products and approval of active substances under national and EU legislation (Directive 91/414/EEC and Regulation (EC) No 1107/2009). Dr. Williams has significant experience evaluating chemistry, methods, metabolism and residues data for inclusion in global (JMPR) and EU submissions, and MRL proposals (Regulation (EC) No 396/2005) after gaining over 5 years of experience with the UK competent authority, Chemicals Regulation Directorate (CRD) of the Health and Safety Executive (HSE). He has previously represented the UK at the European Food Safety Authority (EFSA) expert meetings and was involved in the development of EU guidance and risk assessment tools. Dr. Williams has gained experience in the evaluation of biocidal products under national and EU (Directive 98/8/EC and Regulation (EU) No 528/2012) legislation, and of the EU requirements for chemical substances under REACH.

Academic Credentials & Professional Honors

Ph.D., Chemistry, University of Sheffield, UK, 2023

M.Chem., Chemistry, University of Sheffield, UK, 2023

Academic Appointments

Laboratory Demonstrator, Supervisor and Mentor, Department of Chemistry, The University of Sheffield, 2004-2008

Prior Experience

Higher Scientific Officer, Chemicals Regulation Directorate (CRD) of the Health and Safety Executive (HSE), 2011-2014

Scientific Officer, Chemicals Regulation Directorate (CRD) of the Health and Safety Executive (HSE),

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2009-2011

Trade Support and Project Analyst, The Royal Bank of Scotland (RBS), 2008-2009

Publications

Williams GL, Parks CM, Smith CR, Adams H, Haynes A, Meijer AJHM, Sunley GJ, Gaemers S. Mechanistic study of rhodium/xantphos-catalyzed methanol carbonylation. Organometallics 2011; 30(22):6166-6179.

Baber RA, Haddow MF, Middleton AJ, Orpen AG, Pringle PG, Haynes A, Williams GL, Papp R. Ligand stereoelectronic effects in complexes of phospholanes, phosphinanes, and phosphepanes and their implications for hydroformylation catalysis. Organometallics 2007; 26 (3):713-725.

McConnell AC, Pogorzelec PJ, Slawin AMZ, Williams GL, Elliott PIP, Haynes A, Marr AC, Cole-Hamilton DJ. The synthesis, characterisation and reactivity of 2-phosphanylethylcyclopentadienyl complexes of cobalt, rhodium and iridium. Dalton Transactions 2006; 91-107.

Presentations

Williams GL. Residues and MRLs in honey. Exponent residues workshop, European Crop Protection Association (ECPA) residues workshop - The current and future challenges, Brussels, Belgium, 2015.

Williams GL. Proportionality. Exponent residues workshop, European Crop Protection Association (ECPA) residues workshop - The current and future challenges, Brussels, Belgium, 2015.

Williams GL. An introduction to consumer risk assessments. CRD consumer risk assessment seminar, York, UK, 2013.

Williams GL. Common problems with chemistry applications submitted to CRD. CRD physical and chemical properties of plant protection products seminar, York, UK, 2013.

Posters

Williams GL. A regulatory authority's experiences of conversion factors: A perspective from the residue chemists in the UK Chemicals Regulation Directorate (CRD). Poster presentation, 9th European Pesticide Residue Workshop (EPRW), Vienna, Austria, 2012.

Williams GL. Mechanistic studies of Rh/xantphos catalysed methanol carbonylation. Poster presentation, 15th International Symposium on Homogeneous Catalysis (ISHC), Sun City, South Africa, 2006.

Williams GL. Probing ligand effects on the nucleophilicity of metal complexes. Poster presentation, 34th Inorganic Reaction Mechanisms Group (IRMG) Annual Meeting, Liverpool, UK, 2005.