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Nell Townsend, Ph.D.

Senior Managing Scientist | Chemical Regulation and Food Safety
Harrogate
+44 (0) 1423 853233 | ntownsend@exponent.com

Professional Profile

Dr. Townsend is a pesticide residues and dietary exposure specialist with broad experience evaluating studies and conducting consumer risk assessments for registration of crop protection chemicals. Her expertise includes evaluating residue and metabolism data packages, conducting data gap analyses and preparing EU regulatory dossiers.

Her experience also includes the assessment of physical, chemical, and technical properties of pesticides and biocides (including product families) and the evaluation of methods of analysis. Dr. Townsend provides expert scientific support to clients on the practical, technical, and regulatory aspects of pesticide and biocide dossiers to support active substance approvals or product authorizations.

Dr. Townsend is an expert in European legislation and guidelines in the areas of pesticide approval and authorization providing advice on regulations and processes. Whilst working at the UK regulatory authority (Chemical Regulatory Directorate at the Health and Safety Executive), she represented the UK at European Food Safety Authority (EFSA) expert meetings on pesticides and contributed to the development of harmonized EU guidance on the physical, chemical and technical properties of pesticide products. Her experience covers the evaluation of data and dossier preparation for pesticides and biocides under national and EU legislation (Directive 91/414/EEC, Regulation (EC) No 1107/2009, Directive 98/8/EC and Regulation (EU) No 528/2012), MRL proposals (Regulation (EC) 396/2005) and global (JMPR) submissions.

Academic Credentials & Professional Honors

Ph.D., Chemistry, University of Bristol, UK, 2013

M.Chem., First Class Honors, Chemistry, University of Oxford, UK, 2009

Prior Experience

Higher Scientific Officer, Chemicals Regulation Division (CRD) of the Health and Safety Executive (HSE), December 2016-March 2017

Scientific Officer, Chemicals Regulation Division (CRD) of the Health and Safety Executive (HSE), June 2014-December 2016

Publications

Ciano L, Fey N, Halliday CJ, Lynam JM, Milner LM, Mistry N, Pridmore NE, Townsend NS, Whitwood AC. Dispersion, solvent and metal effects in the binding of gold cations to alkynyl ligands: implications for Au(I) catalysis. Chem Commun (Camb), 2015, 51(47), 9702-5 (DOI: 10.1039/c5cc02629f)

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Townsend NS, Russell CA. Phosphorus(III) Ligands in Homogeneous Catalysis: Design and Synthesis. First Ed. Chapter 11 Phosphaalkynes. 2012 John Wiley & Sons Ltd, Published 2012. (ISBN 978-0-470-66627-2).

Townsend NS, Shadbolt SR., Green M., Russell CA, Phosphacycles as building blocks for main group cages. Angew. Chem. Int. Ed., 2013, 52, 3481-3484. (DOI: 10.1002/anie.201300202)

Sanguramath RA, Townsend NS, Lynam JM, Russell CA. Gold(I) complexes of phosphaalkynes. Eur. J. Inorg. Chem., 2013, published online. (DOI: 10.1002/ejic.201301089)

Townsend NS, Chaplin AB, Naser MA, Thompson AL, Rees NH. Macgregor SA, Weller AS. Reactivity of the latent 12-electron fragment [Rh(PiBu3)2]+ with aryl bromides: aryl-Br and phosphine ligand C-H activation. Chem. Eur. J., 2010, 16, 8376-8389.

Presentations

Townsend NS. Rotational crops. CRD consumer risk assessment seminar, York, UK, 2015.