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Martin Vaughan, M.Phil.

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Professional Profile

Mr. Vaughan has extensive experience as an Ecotoxicologist and Environmental Risk Assessor working across various industry sectors in the UK. This includes 20 plus years working as a Study Director in Good Laboratory Practice accredited Ecotoxicology laboratories and Contract Research Organisations, working with a wide variety of animal species.

Experienced in working within regulatory testing areas of Home & Personal care/Industrial Chemicals, Pharmaceutical and Agrochemical industries, Mr. Vaughan has recent experience in compiling and presenting Agrochemical active substance submissions/renewals and Article 43 product dossiers for Regulatory submission (Regulation (EC) 1107/2009), including the development of risk assessments and documented positions in support of submissions both in the EU and globally.

Mr. Vaughan routinely keeps abreast of new developments in ecotoxicology and has specific interests/expertise in the fields of Endocrine Disruption, higher tier aquatic testing, animal alternatives and bioaccumulation (PBT). Mr. Vaughan participated on the Expert Working group to revise the OECD 305 test guideline (Bioaccumulation in Fish) and subsequent OECD 305 guidance document. He has also contributed to the revision of other OECD test guidelines such as the OECD 203 Acute Fish Test and acted on the Business Liaison Team monitoring the CEFIC LRi ECO20 Project – Development of an Alternative Testing Strategy for the Fish Early Life Stage Test for Predicting Chronic Toxicity. Mr. Vaughan has a wide network of contacts within Ecotoxicology and Regulatory areas.

Academic Credentials & Professional Honors

M.Phil., Biological Sciences, Exeter University, 2007

B.Sc., Applied Biology, Liverpool John Moores University, 1996

Prior Experience

Unilever Port Sunlight, UK - Research Associate in the Powder Technology Section, 1991 - 1993

Unilever Colworth/Unilever Port Sunlight, UK - Ecotoxicologist in the Safety & Environmental Assurance Centre, 1993 - 2008

Harlan Laboratories Ltd., UK - Senior study director in the Ecotoxicology Department, 2008 - 2009

AstraZeneca, Brixham Environmental Laboratory (BEL), UK - Fish Technical Lead in the Environmental Effects Unit, 2009 - 2014

Syngenta, Jealott's Hill International Research Centre, UK, Senior Technical Expert/Environmental Risk Assessor in the Product Safety Unit, 2014 - 2018

Publications

Whelan, MJ. Van Egmond, R. Guymer, I. Lacoursiere, JO. Vought, LMB. Finnegan, C. Fox, KK. Sparham, C. O'Connor, S. Vaughan, M and Pearson, JM. (2007). The behaviour of linear alkyl benzene sulphonate under direct discharge conditions in Vientiane, Lao PDR. Water Research, 41 (20): 4730-4740.

Vaughan, M and Van Egmond, R. (2010). Acute toxicity testing using the embryo of zebrafish (*Danio rerio*), as a possible alternative to the acute fish test. ALTA, 38, 231-238.

Thompson, R and Vaughan, M (2013). Medium-Chain Chlorinated Paraffins (MCCPs): A Review of Bioaccumulation Potential in the Aquatic Environment. IEAM, 10 (1): 78-86.

Presentations

Testing the acute toxicity in the embryo of zebrafish, *Brachydanio rerio*, as an alternative to the acute fish test. Poster presentation at SETAC Europe Amsterdam 1996

The effect of temperature on the sexual differentiation process and development in the zebrafish, *Danio rerio* I. Poster presentation at SETAC Europe Madrid 2001

The effect of temperature on the sexual differentiation process and development in the zebrafish, *Danio rerio* II. Poster presentation at SETAC Europe Lille 2005

A ring test of the draft OECD 305 bioaccumulation test guideline dietary exposure method. Poster presentation at SETAC Europe Berlin 2012