

Exponent®
Engineering & Scientific Consulting

Ben Jones, Ph.D.

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Professional Profile

Dr. Jones holds a B.Sc. and Ph.D. in Environmental Science from the University of Reading. His doctoral project examined the effect of plant uptake on the environmental fate of plant protection products.

During this period, Dr. Jones conducted short-term lab exposure experiments using young growth stage plants and exposed them to the test compound in both hydroponic solution and a sand-based column. His work also led him to conduct environmental fate model assessments in FOCUS PEARL and PELMO, setting up experiments to test the effects of changing the plant uptake factors on the predicted environmental concentration in the groundwater (PECGW) and leaching below the target layer. As a member of the environmental fate team, he generates data using the FOCUS models, as well as member states specific methods. Dr. Jones assists with the production of fate draft Registration Reports (dRR) sections and active substance submission dossiers for the EU under commission regulation 1107/09.

Academic Credentials & Professional Honors

Ph.D., Environmental Science, University of Reading, UK, 2020

B.Sc., Environmental Science, University of Reading, UK, 2014

Awards:

British Society of Soil Science (BSSS), Best B.Sc. dissertation award, University of Reading, 2014

Prior Experience

Forest and Environment Scientist, Forest Research, 2012-2013

Publications

Jones, B.M. and Collins, C.D. ‘Measuring and Modelling the Plant Uptake and Accumulation of Synthetic Organic: With a Focus on Pesticides and Root Uptake' in Ortega-Calvo, J.J. & Parsons, J.R. (eds), Bioavailability of Organic Chemicals in Soil and Sediment, Hdb Env Chem, DOI: 10.1007/698_2020_591, Springer Nature Switzerland AG 2020

Presentations

Jones, B.M. Model Comparison of the Effects of Plant Uptake on the Environmental Fate of Three Anonymised Pesticide Compounds. Platform presentation, 29th Annual Meeting of SETAC Europe, Helsinki, Finland. 2019.

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Jones, B.M. Understanding plant root uptake of pesticides from hydroponic solution. Poster presentation, 29th Annual Meeting of SETAC Europe, Helsinki, Finland. 2019.