



Exponent®
Engineering & Scientific Consulting

Anais Kahve, Ph.D.

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Professional Profile

Dr. Kahve has gained experience as a toxicologist in various industries with a focus on human health. She has experience in evaluating chemical hazards, exposure and risk assessment from the agrochemical and tobacco industries.

Dr. Kahve also has experience in using computational prediction models (Leadscope, Derek Nexus and QSAR Toolbox) for predicting the toxicity of chemicals with limited or no hazard data. She gained her Ph.D. from the University of Exeter. Her research sought to investigate the mechanisms by which long-chain saturated fatty acids induce cytotoxicity, and which unsaturated fatty acids prevent cytotoxicity when combined with saturates, in vitro. During this time, she developed and validated a novel methodology using Raman microspectroscopy to visualise and quantify changes in lipid deposition and composition within pancreatic beta cells.

Dr. Kahve works across the Chemical Regulation & Food Safety and Health Sciences practices. Her work focuses on the compilation of regulatory dossiers for plant protection products, toxicity predictions of chemical metabolites using in silico tools, and supporting testifying consultants in the United States with litigation casework.

Academic Credentials & Professional Honors

Ph.D., Medical Studies, University of Exeter, UK, 2019

M.Sc., Toxicology, University of Surrey, UK, 2015

B.Sc., Natural Sciences (Industrial), University of Leeds, UK, 2014

Prior Experience

Toxicologist, Broughton Nicotine Services, Mar 2020–Mar 2021

Toxicologist, Syngenta, Jun 2015–Sep 2015

Professional Affiliations

Member, The Royal Society of Chemistry

Committee Member, Toxicology Group, The Royal Society of Chemistry

Publications

Dahlberg S, Chang ET, Weiss SR, Dopart P, Gould E, Ritchey ME. Use of Contrave, Naltrexone with Bupropion, Bupropion, or Naltrexone and Major Adverse Cardiovascular Events: A Systematic Literature Review. *Diabetes Metab Syndr Obes.* 2022 Sep 29;15:3049-3067. doi: 10.2147/DMSO.S381652. PMID: 36200062; PMCID: PMC9529009.

Kahve AMS. (2019) Biophysical and biochemical effects and distribution of fatty acids in pancreatic beta cells and microvascular endothelial cells. Ph.D. Thesis, University of Exeter
<https://ore.exeter.ac.uk/repository/handle/10871/36684>.

Kahve AMS, Green EM, Whatmore JL, Petrov PG, Winlove CP, Morgan NG. (2018) Use of Raman spectroscopy as a novel means to study lipid deposition and composition in cultured beta cells following exposure to exogenous fatty acids, *Diabetic Medicine*, volume 35, pages 41-41.

Kahve AMS, Richardson SJ, Petrov PG, Whatmore JL, Winlove CP, Morgan NG. (2017) Investigating beta cell and endothelial cell responses to fatty acids, *Diabetic Medicine*, volume 34, pages 74-75.

Research Grants

The Bioscientifica Trust, 2017

Engineering and Physical Sciences Research Council (EPSRC), 2015