Ifeoluwa A. Bamgbose, M.S., DABT

Senior Environmental Scientist

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Ms. Bamgbose is an environmental scientist with a background in environmental and general toxicology and biochemistry. Her areas of expertise include environmental toxicology and risk assessment; pharmaceutical environmental risk assessment; weight-of-evidence evaluation; and consumer product safety assessment. Ms. Bamgbose is skilled in the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), US EPA Safer Choice standard, the GreenScreen® Method, and similar hazard-based frameworks.

Before joining Gradient, Ms. Bamgbose coordinated efforts associated with the registration of chemicals and preparation of safety data sheets (SDSs). She provided chemical-specific toxicological hazard evaluation, according to the GHS guidelines. While receiving her graduate degree, Ms. Bamgbose performed work assessing the toxicity of diesel and plant-based biodiesels to terrestrial and aquatic organisms.

Areas of Expertise

• Environmental & General Toxicology
• Environmental Risk Assessment
• GHS Hazard Assessment
• US EPA Safer Choice Assessment
• Product Environmental Safety Assessment
• Human Health Sciences

Education

• M.S., Environmental Toxicology, Texas Tech University
• B.S., Biochemical and Biophysical Sciences (Biochemistry), University of Houston, Texas
• Diplomate of the American Board of Toxicology

Selected Projects

US EPA Safer Choice Chemical Profile Reviews: Managed and conducted several critical ecotoxicological chemical profile reviews of consumer products in support of US EPA Safer Choice label application submissions.

Chemical Evaluation: Conducted an extensive qualitative risk assessment, involving the review and summary of hazard and exposure assessments of a biocide from various agencies, such as US EPA, AICIS, and ECHA RAC, to communicate risk and safety concerns with respect to workers, the public, and the environment.

Pharmaceutical Environmental Risk Assessments: Evaluated the environmental risk associated with the societal use of pharmaceutical drugs, compliant with either European (EMA) or US (FDA) risk assessment guidelines. Reviewed environmental fate and toxicity test data.

Human Health Risk Evaluation: Performed an in-depth risk evaluation of the reproductive and developmental toxicity of an organic, coated titanium oxide compound.

Ecological Risk Assessments: Conducted ecological risk assessments on multiple receptors exposed to metals and chemicals from numerous US industrial sites.

Selected Publications

Bamgbose, IA; Marsh, C. 2021. "Surveying the product stewardship landscape." *Gradient Trends - Risk Science & Application* 80:3-4. Winter.

Marsh, C; **Bamgbose, IA.** 2021. "The long reach of REACH." *Gradient Trends - Risk Science & Application* 80:1-2. Winter.

Bamgbose, IA; Mohar, I; Verslycke, T. 2020. "Are Existing Environmental Assessment Approaches Appropriate for Novel Drug Products?" Poster presented at the ACT 41st Annual Meeting, November 16, 2020.

Bamgbose, IA; Anderson, TA. 2020. "Ecotoxicity of three plant-based biodiesels and diesel using, *Eisenia fetida*." *Environ. Pollut.* 260:113965.

Long, CM; Briggs, NL; **Bamgbose, IA.** 2019. "Synthesis and health-based evaluation of ambient air monitoring data for the Marcellus Shale region." *J Air Waste Manag. Assoc.* 69(5):527-547.

Pizzurro, DM; Mayfield, D; **Bamgbose, IA.** 2018. "Specifying piping materials for water infrastructure systems." *Environ. Sci. Eng. Mag.* June 4. https://esemag.com/water/specifying-piping-materials-for-water-infrastructure-systems/.