

---

## PROFESSIONAL SUMMARY

Ph.D. in Environmental Toxicology with demonstrated experience in conducting toxicity studies, thorough analyses and interpretation of diverse and complex study outcomes. Seeking to leverage knowledge in toxicology, hazard and risk assessment to identify and implement effective mitigation strategies as well as promote sustainable practices. Committed to advancing safety, adherence to regulatory standards to protect environmental and human health, and developing environmental management plans and safety protocols.

---

## SKILLS

Research and Laboratory operations: Western blotting, DNA isolation and purification, PCR, RT-PCR, qPCR, Algae culturing and maintenance, Zebrafish husbandry, MTT assay, Data Analysis, GraphPad Prism, R, JMP, toxicological assessments, protocol development, problem-solving, technical communication, leadership.

---

## EDUCATION

---

### Texas Tech University (TTU), Lubbock TX

**Ph.D. Environmental Toxicology (3.66/4)**

December 2023

Department of Environmental Toxicology

### University of Ibadan, Nigeria

**MSc. Environmental Engineering (6.8/7)**

April 2019

Department of Agricultural and Environmental Engineering

### Bowen University, Nigeria

**BSc. Food Science and Technology (4.8/5)**

July 2014

Department of Food Science and Technology

---

## Work Experience

---

### Graduate Research Assistant - Texas Tech University (TTU), 2019- 2023

- Toxicology Research
  - Conducted research to investigate the toxic effects of Perfluoroalkyl carboxylic acids (PFCAs) on aquatic models, focusing on golden algae, chlorella and zebrafish.
  - Developed and modified protocols to evaluate the potential risks posed by PFCAs on aquatic models.
  - Conducted comprehensive assessments involving algal cell growth, physiological changes, morphological alterations, and enzymatic activity modulation upon exposure to PFCAs.
  - Analyzed and interpreted results to understand the impact of PFCAs on zebrafish mortality, morphology, behavior, and gene expression.
  - Generated comprehensive reports detailing the observed effects, contributing to the understanding of mechanisms underlying PFCA toxicity in aquatic environments.
  - Utilized advanced data analysis techniques to evaluate the whole spectrum of study outcomes, providing a comprehensive perspective on the potential risks associated with exposure to the chemicals.
  - Collaborated with multidisciplinary teams to evaluate the potential risks of emerging contaminants.

### Graduate Assistant (University of Ibadan (UI), Ibadan, Nigeria- 2017- 2019)

- Conducted a life cycle analysis of a pharmaceutical drug manufacturing company (gate to gate) in Nigeria using life cycle assessment software.
- Explored waste handling and management approaches for poultry and piggery waste at the University of Ibadan Teaching and Research Farm.
- Implemented field studies to collect soil and plant samples, utilizing advanced analytical techniques.
- Prepared detailed reports summarizing experimental methodologies, results, and recommendations for mitigating environmental impact.

### Quality control Intern/trainee - Nigerian Bottling Company (April -Sept 2013, June-July 2011)

- Conducted chemical and microbial laboratory analysis of carbonated drinks, juice, water, and packages for quality assurance.

- Conducted quality tests on raw materials, in-process samples, and finished products to ensure compliance with quality specifications.
- Learned and implemented quality assurance procedures to ensure that products meet the required standards.
- Monitored and documented various stages of the production process to identify and rectify any deviations from quality standards.
- Understood and adhered to regulatory requirements and quality standards set by relevant authorities.
- Collected and managed data related to quality control processes.

---

#### **LEADERSHIP EXPERIENCE**

---

- Served as SORC Rep/PRO at The Institute of Environmental and Human Health (TIEHH) student association.
- General Secretary of the National Association of Food Science and Technology Students.

---

#### **PROFESSIONAL MEMBERSHIPS**

---

- LE SETAC (Texas Tech)
- The Nigerian Institute of Food Science and Technology

---

#### **REFERENCES**

---

Available on request.