

MICHAEL DAMILOLA ERUAGA

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Profile

A self-motivated graduate student, with practical experience in monitoring environmental resources. Spurred by the needs to improve human population health status and protect the environment from adverse anthropogenic activities. Also, an environmental enthusiast that seeks acquisition of knowledge and the practical use of such knowledge to bridge the gap between research findings and solving life-threatening environmental challenges. Highly passionate about the wellness of humans and the global environment. Areas of Interest; human geography, urban health, climate change, urban planning & development and environmental sustainability.

Core Competencies

- Disaster Preparedness
- Field observational skills
- Scientific report writing
- Problem solving
- Analytical skills
- System Thinking

Education

University of Delaware, Newark Delaware, U.S

2021 - Present

Master's Degree (M.Sc.) in Geography & Spatial Sciences

Major: Human Geography

Federal University of Agriculture, Abeokuta, Nigeria. (FUNAAB)

2014 - 2018

Bachelor's Degree (B.Sc.) in Environmental Management and Toxicology

Major: Environmental Management

Qualification: Second Class Upper Division

Grade: GPA; 4.48 / 5.00

Certifications

Central University of Karnataka – Department of Geography, School of Earth science

- ✓ GIS Training Program using QGIS

American Museum of Natural History Howard Hughes Medical Institute. (Coursera)

- ✓ *Ecology: Ecosystem Dynamics and conservation*

University of Pittsburgh (Coursera)

Disaster Preparedness

UN Climate Change Learning Partnership Courses

- ✓ Sustainable Consumption and Production in Africa
- ✓ Climate Change: From Learning to Action
- ✓ Integration of Climate Risk Information into National Adaptation Plans
- ✓ Human Health and Climate Change

Certificate of Paper and Oral Presentation at the First International Medical Geology Association (IMGA) Nigeria Conference

- ✓ **Topic:** Health Risk Potential of Enteric Pathogen from Groundwater of Abeokuta Metropolis, Southwest Nigeria.

Certificate of participation in the international conference of the YMCGP

- ✓ Youth around the world, creating a sustainable society

Youth African Leadership Initiative Network (YALI) awards certificates;

- ✓ Understanding Climate Change

Research Experience

Current Research Project: Urbanization in Sub-Saharan Africa: Sustainable solution to water insecurity using new cost-effective household technology **Ongoing**

Project Topic: Quantitative and Qualitative Microbial Risk Assessment of Enteric pathogens from groundwater sources in selected areas of Abeokuta Metropolis, South-Western part of Nigeria. **October 2018**

I performed this research at the final stage of my undergraduate program; I conducted an in-depth field investigation of the study area, recorded relevant environmental and physical parameters such as; Coordinate points, Static Water Level, Total depth of the hand-dug wells, Altitude, Temperature, Total Dissolved Solid, pH, Electrical Conductivity, using the HANNA combo pH meter. Analysis of microbial contents of the groundwater samples were achieved using method of Cheesborough (2014). Similarly, the chemical parameters examined were Alkalinity, Acidity, Total Hardness, Na⁺, K⁺, Ca²⁺, Mg²⁺, Cl⁻, NO₃⁻, PO₄⁻, CO₃²⁻, and SO₄²⁻.

Work Experience

National Youth Service Corp Program

August 2019 – July 2020

Nigerian Breweries, Headquarters- Abebe Village Surulere (Primary Place of Appointment)

Community Development Service

- Actively participated in the Covid-19 Sensitization of public and private secondary schools in Surulere Local government area, Lagos, Nigeria during my Youth Corp Member Service Program (NYSC) before Lockdown
- I joined the Federal Competition and Consumer Protection Commission Group (FCCPC) during my service; we created awareness by organizing a seminar that enlightened attendees on the need to avoid the consumption of substandard and hazardous products.

Federal Airports Authority of Nigeria (FAAN) – Ikeja, Lagos.

Assistant Environmental Supervisor – Environment & Safety Department (Internship)

Sept 2017 – March 2018

- Performed supervisory duties twice daily at the airport car park, Airport Terminals and restaurants.
- Ensured safety measures were put in check at the airport apron.
- Checked for imminent environmental hazards such as; greasy floor, Exceeded speed limit by vehicles, vehicles parked so close to an aircraft.

Assistant Laboratory Analyst – Water and Land Use Department (Internship)

November 2017 – December 2017

- Performed daily water analyses on water samples, and recorded the value of present physic-chemical parameters.
- Supervised the periodic wash of the aeration tank and ensured Iron coatings were filtered out from the aeration tank.

Awards & Achievements

- Best Project Student of Prof. A.M Gbadebo; 2018. I was given the opportunity to present the results of findings; *Health Risk Potential of Enteric Pathogen from Groundwater of Abeokuta Metropolis, Southwest Nigeria*” at the First international conference of the Medical Geology Association Nigeria and was awarded a certificate
- I won the Eco-Naija Photo Contest and was crowned as the Face of the “GO GREEN NIGERIA Campaign” in 2014: <http://bit.ly/Vz3tHC>

References

- Professor A.M Gbadebo
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