

Akeem Olaitan Adeniran

I am an early-career researcher in water & agricultural systems' adaptation to climate change, looking to express my potential in an establishment that offers opportunities for personal and professional development. I strive to add value in every capacity I function.

✉ oadeniran80@gmail.com

☎ +233(0)503699314

📍 Tamale, Ghana

💬 live:oadeniran80

EDUCATION

MPhil. Irrigation and Drainage Engineering

University for Development Studies.

2020 - 2022

Tamale, Ghana.

B.Eng Agricultural and Biosystems Engineering (Soil and Water option)

University of Ilorin

2012 - 2017

Ilorin, Nigeria.

EMPLOYMENT

Irrigation Intern

Hikma Agro Services Ltd

02/2021 - 04/2021

Tamale, Ghana

Achievements/Tasks

- Operated the solar water pumping system for the farm's automated drip irrigation system
- Part of the team of 4 people who installed a drip irrigation system at a new farm site.

Graduate Engineer

Iju Waterworks

09/2018 - 12/2018

Lagos Water Corporation, Nigeria.

Achievements/Tasks

- Operated the pneumatic valves, for the daily de-sludge of the earthen sedimentation tanks.
- Worked with lab technicians for water quality monitoring, and field officers in chemicals dosing and filter beds backwashing processes.

CONFERENCES & FORUM

Participant, Forum on Operationalizing Farmer-led Irrigation Development at Scales (09/2021)

A partnership of the AU, FAO, IWMI, The World Bank and the Global Water Security & Sanitation Partnership (GWSP)

Participant, Water for Food Global Forum (10/2021)

An initiative of the Daugherty Water for Food Global Institute, of the University of Nebraska, Lincoln, USA.

Participant, Mapping and Monitoring Irrigation Performance: A Remote Sensing-Based Approach (01/2022)

Organized by the ICID-CIID, IsDB, FAO, IWMI, The World Bank, GWSP, ADB.

Participant, Integrated Water Resources Management in Large River Basins Based on Modeling & Optimization Methods (2022)

Jointly organised by the All-Russia Research Institute of Hydraulic Engineering and Land Reclamation & the International Commission on Irrigation & Drainage

Paper presenter, 3rd Irrigation and Agriculture Development Conference (IRAD 2022)

Organised by the West African Centre for Water, Irrigation and Sustainable Agriculture, University for Development Studies, Ghana

Attendee, Webinar on the Impacts of Climate Change on Surface and Groundwater (06/2022)

Organized by the International Commission on Irrigation & Drainage (ICID), ESCWA, RICCAR, & ACSAD.

SKILLS

Water Quality Analysis

Hydrologic Modeling

Self-motivation & Team Work

Python Coding

Good Communication Skills

Soil Microbes DNA Extraction

Irrigation System Design & Performance Analysis

Soil Suitability Mapping

RS, GIS & Geospatial Analysis

RESEARCH ARTICLES

Journal Papers/ Conference Proceedings

- Adeniran, A.O, Ayambila, S.N. and Akudugu, M.A. (2022). Land and Demographic Attributes of Dry Season Farming in Small Reservoir-Based Farmer-led Irrigation in Ghana. *Proceedings of the 3rd International Conference on Irrigation and Agricultural Development (IRAD 2022)*.
- A.O Adeniran, S. Ayambila, M. Akudugu. 202X. Crop water use and productivity of small dam-assisted irrigation systems in semi-arid climates: a case study of the Upper East Region, Ghana. *Int'l Journal of Irrigation & Agric. Devt (In Review)*
- Adeniran, A.O. (202X). Vegetation Cover and Water Quality Response to Land Use-Land Cover Changes in the Kulpawn Catchment of the White Volta Basin: A Geoinformatics Approach. *Journal of Environmental Management. (In Prep)*

SHORT COURSES

GIS Training Program using QGIS (Sep 07 -28, 2020)

Conducted by the Department of Geography, School of Earth Sciences, Central University of Karnataka, India.

Professional Short Course in Integrated Water Resources Management in Africa (Nov 30 - Dec 04, 2020)

Organized by the West African Centre for Water, Irrigation and Sustainable Agriculture, UDS, Ghana & the African Water Corridor of the TU Delft, The Netherlands.

Python Machine Learning for Data Science (02/2022)

Soil and Water Assessment Tool (SWAT) Model training (02/2022)

Conducted by experts from Texas A & M University, USA.

Short Course in Solar-Powered Irrigation Systems (03/2022)

AWARDS & LEADERSHIP

Master's Program Scholarship Recipient, World Bank/Government of Ghana joint sponsorship (2020 - 2022)

The award was granted following the submission of an original research proposal and rigorous interview process.

Adhoc Electoral Officer with the INEC for 2019 Elections

The INEC is Nigeria's electoral body statutorily empowered to conduct presidential, governorship and parliamentary elections .

Editorial Chair, Undergraduate Engineering Students Association, University of Ilorin Chapter (2016 - 2017 Academic Session)

INTERESTS

Traveling & Socializing

Freshwater Ecosystems' Sustainability

Soil Health Management

Public Intellectualism