OGUNDEJI, STEPHEN TAIWO, Ph.D.

Hydro-climatologist | GIS & Remote Sensing Specialist | Water Resources Specialist

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EDUCATION

Ph.D., Environmental Systems & Climate Change (AgSE)	Federal University of Agriculture, Abeokuta	2023
M.Sc., Geographic Information Systems	University of Ibadan	2016
M.Sc., Water Resources Management	Federal University of Agriculture, Abeokuta	2017
B.Sc., Water Resources Management (2nd Class Upper)	Federal University of Agriculture, Abeokuta	2010

AREAS OF SPECIALIZATION

- Urban Climatology / Heat Island & Heat Stress Analysis
- Geospatial Science — GIS & Remote Sensing
- Hydro-climatology
- Climate Change Impacts and Vulnerability Studies
- Water Resources Management and Hydrology

PROFESSIONAL & ACADEMIC EXPERIENCE

Lecturer II — Water Resources Mgt. & Agrometeorology	Federal University of Agriculture, Abeokuta	2025 – Present
Subject Teacher (Geography & Social Studies)	Oyo State Teaching Service Commission (TESCOM)	2025
Hydrologist / Planning Engineer	EAA Engineering Limited	2022 – 2025
Hydrologist / Water Resources Specialist	Lee-Fakino Nigeria Limited	2014 – 2022
Freelance Water Quality Consultant	Zwilling Water & Environmental Co.	2012 – 2014
NYSC — Trainee Hydrogeologist / Office Postings	Oyo State WATSAN & Bauchi State Water Board	2011 – 2012
Quality Control Officer / Industrial Trainee	Funduk Industries Limited, Moniya	2009 – 2011

SELECTED RESEARCH

Research in Progress

- Modeling Future Land Surface Temperature Using Picture-Based LST Forecasting
- Spatial-Temporal Variability in Land Surface Temperature and Its Relationship with NDVI Across Abeokuta Metropolis
- Climate Change Impacts on Africa and Pathways Toward Resilience: A Systematic Review of Evidence, Sectoral Vulnerabilities, and Adaptation/Mitigation Strategies (2000–2025)

Research Completed

- A Spatiotemporal Assessment of Urban Heat Island in Parts of Ogun State, Nigeria (Ph.D. dissertation)

- Assessment of Heat Wave and Heat Index Trends across Abeokuta and Shagamu, South Western Nigeria
- Urban–Rural Heat Stress Comparative Analysis of Kuto and Ajebo, Abeokuta, Ogun State
- Morphometric Study and Land Use Dynamics of Alapata Drainage Basin
- Assessment of the Effects of Heavy Rainfall on the Environment and Human Health in Eti-Osa LGA, Lagos State
- Health and Livelihood Impacts of Rural Water Scarcity: A Household Survey of Iwoye-Ketu, Imeko-Afon LGA, Ogun State

PUBLICATIONS & DISSERTATIONS

- A Spatiotemporal Assessment of Urban Heat Island in Parts of Ogun State, Nigeria — Ph.D. Dissertation, 2023
- Analysis of Land Use-Land Cover Dynamics of Ogun Drainage Basin Using Geographical Information System — M.Sc. Dissertation, 2016
- Land Use Dynamics and Hydrological Assessment of Alapata Drainage Basin — M.Sc. Dissertation, 2017
- Rain Water Acidity Assessment in Ewekoro, Ogun State, Nigeria — B.Sc. Dissertation, 2010
- Urban–Rural Heat Stress Comparative Analysis of Abeokuta, Nigeria — Paper presented, COLERM Conference, 2026

GRANTS, AWARDS & PROFESSIONAL TRAINING

CEADESE/FUNAAB Research Grant for Postgraduate Student's	Role: Ph.D. Student	2018 – 2023
Oyo State Postgraduate Scholarship	Award Recipient	2014
Certificate of Commendation	National Emergency Management Agency / NYSC	2012
Climate Change and Sustainable Environment	Galilee Int'l Mgt. Institute, Israel / FUNAAB	2018
Implementation of Environmental & Social Mgt. Plan	Ibadan Urban Flood Management Project, Oyo State	2022
Health, Safety & Environment Training Workshop	Institute of Safety Professionals of Nigeria	2019
Research Methodology Seminar	Nigeria Computer Society, Ogun State Chapter	2014
Proficiency Certificate in Management	Nigerian Institute of Management	2011

UNDERGRADUATE TEACHING

Hydro-meteorological Forecasting • Water Resources Planning & Management • Watershed Management • Water Resources & Public Health • Hydrological Modeling & Application • Surface Water Hydrology I & II • Surveying & Photogrammetry • Introductory Climatology & Biogeography — cumulatively over 2,200 students taught, marked, and supervised across nine courses.

LEADERSHIP & COMMUNITY INVOLVEMENT

- Member, Local Organizing Committee, COLERM Conference 2026, FUNAAB
- Member, College Board, COLERM, FUNAAB
- Academic Coordinator, Baptist Student Fellowship, Federal University of Agriculture, Abeokuta (2007-2010)
- Chairman, Audit Committee, and Chairman, Local Project Committee, Living Faith Church, Moniya – 2021-2023

- Youth President, Glory Baptist Church, Moniya – 2010-2012
- Ordained Pastor Living Faith Church International

PUBLIC ENGAGEMENT & EXTENSION ACTIVITIES

Environmental discussion on heat waves, rainfall & climate change	OGTV	2026
Radio interview on World Water Day	Amuludun 99.1 FM, Moniya	2026
Radio interview on climate change	Amuludun 99.1 FM, Moniya	2025
Environmental discussion on excess rainfall & flooding	Amuludun 99.1 FM, Moniya	2024
Flood Warning Awareness Campaign for Emergency Vanguard	National Emergency Mgt. Agency (NEMA)	2012
Free Medical Outreach, The Kingdom Project	Touching Lives at Christmas, Samonda, Ibadan	2014 – 2025

PROFESSIONAL MEMBERSHIP

Member, Nigerian Institute of Management.