

Agatha Oluchukwu Anokwu

Department of Geography, University of Florida Email: a.anokwu@ufl.edu |
oluchianokwu@gmail.com Phone: +1 (352) 721 1913

RESEARCH INTERESTS

- Extreme rainfall, hydrometeorological hazards, and flood risk
- West African Monsoon dynamics and climate drivers
- Climate variability and prediction
- Tropical meteorology and mesoscale convective systems
- Climate data analysis, GIS, and numerical weather prediction
- Climate–health interactions and environmental impacts

EDUCATION

PhD, Geography (In Progress) University of Florida, Gainesville, USA

Master of Geography (Climatology) Nasarawa State University, Keffi, Nigeria | 2015–2018

Bachelor of Technology, Meteorology Federal University of Technology Akure, Nigeria | 2005–2009

Diploma in Forecasting Meteorological Research and Training Institute, Nigeria | 2003–2004

Diploma in Weather Observation Meteorological Research and Training Institute, Nigeria | 1999–2001

PROFESSIONAL EXPERIENCE

Coordinator, Climate Services Unit

Nigerian Meteorological Agency (NiMet), Abuja, Nigeria

- Coordinated national climate monitoring and climate services operations
- Coordinated monthly, seasonal, and annual climate forecasts
- Contributed to climate services for Gulf of Guinea and Sudan–Sahel regions
- Coordinated climate–health bulletins and decadal climate assessments
- Supervised climate data analysis and dissemination

Weather Forecast Supervisor / Trainer

NiMet Central Forecast Office, Abuja | 2014–2017

- Supervised daily weather forecasting operations
- Trained junior forecasters in weather forecasting and analysis
- Validated daily forecasts and ensured operational accuracy

Television Weather Presenter

Nigerian Television Authority (NTA) | 2014–2018

- Delivered national weather broadcasts
- Provided public climate information and outreach

Duty Meteorologist

NiMet Central Forecast Office, Lagos & Abuja | 2010–2017

- Produced daily weather charts and forecasts
- Conducted synoptic analysis and briefing sessions

Aeronautical Weather Forecaster

Aminu Kano International Airport, Kano State | 2005–2006

- Prepared flight folders and aviation weather briefings
- Provided real-time weather support to pilots and airline operators

TEACHING & TRAINING EXPERIENCE

- Trained over 40 meteorologists at NiMet on weather forecasting, satellite interpretation, and model analysis
- Mentored junior forecasters on ECMWF, GFS, tephigrams, and synoptic techniques
- Delivered seminars on climate variability, rainfall trends, and climate–health interactions

SELECTED PROFESSIONAL TRAINING & CERTIFICATIONS

- WMO Training on Climpact Software (2022)
- International Training on ClimData (2021)
- UCAR Satellite Imagery Interpretation Course (2019)
- EUMETSAT–IMTR Satellite Applications Course, Nairobi (2019)
- Satellite Data for Climate Science Training, South Africa (2018)
- Media Weather Presentation Training, Nigeria (2016)
- Weather Presenters Workshop, Paris (2014)

- Advanced Forecasting Training, Météo France International (2012)
- ECMWF Product Interpretation Training, Sheffield, UK (2012)

ACHIEVEMENTS & PROFESSIONAL SERVICE

- Trained 40+ meteorologists at NiMet
- Drafted to produce weather forecasts for Liberia and Sierra Leone (2015–2017)
- WMO Focal Person for Nigeria’s Decadal Climate Analysis (2022–2024)
- WMO Focal Person for Climate Services Implementation & ISO 9001 Gap Analysis (2022)
- WMO–WHO Regional Association I (Africa) Focal Person for Climate & Health (2023–2024)
- Graduate Student Member, American Geophysical Union (AGU)
- Graduate Student Member, American Meteorological Society (AMS)
- Graduate Student Member, National Association of Black Geoscientists (NABGS)
- Associate Member, Nigerian Meteorological Society

TECHNICAL SKILLS

Climate & Weather Analysis: Climate and weather models, CPT, DSSAT, COSMO,
ECMWF/GFS interpretation Programming & Data Tools: Python, R, GIS (ArcGIS/QGIS)
Satellite Data: EUMETSAT, UCAR, IMTR training

RESEARCH WORK & PRESENTATIONS

- *PhD Thesis (Ongoing)*: Extreme rainfall, climate drivers, and flood risk in Nigeria
- “Effect of Mean Temperature and Rainfall on Measles and Malaria in Kuje Area Council” (Seminar, 2018)
- “Assessing Seasonal Rainfall Trend across FCT Area Councils” (Nigerian Meteorological Society, 2021)
- “Using Air Temperature to Assess Climate Variability in Abuja” (NiMet Seminar, 2020; NMS Seminar, 2022)

LANGUAGES

English, Igbo