Olakunle Joshua, OGUNYEMI

729 Ackerman Avenue, Syracuse, New York, 13210

+1 315 952 8812,   **Email:** oogunyemi@esf.edu

https://www.youtube.com/channel/UCax5WxTJvQjtS9elybDivbA/videos

https://github.com/olakunle4impact

Education

SUNY-College of Environmental Science and Forestry, Syracuse, NY.   **May 2027**

Doctor of Philosophy in Environmental Science

Università degli Studi della Tuscia, Italy.   **June 2022**

Master of Science in Forestry and Environmental Science (**6-Month Program Course**)
- **Relevant Coursework:** Remote Sensing in Forest Resource Management, Monitoring Terrestrial Ecosystem Carbon (ICOS), Silviculture and Monitoring Soil Quality.

University of Ibadan, Oyo State, Nigeria   **Dec 2019**

Master of Science in Social and Environmental Forestry **(PhD Grade)**
- **Option:** Forest Biometrics and Information System (FBIS)
- **Relevant Coursework:** Statistics in Renewable Natural Resources Management, Research Methods, Advance Forest Mensuration, Application of GIS and Remote Sensing to Forestry, Probability Distribution Models, Applied Regression Methods, Multivariate Analysis, Statistical Modeling.

Federal University of Agriculture, Abeokuta, Ogun State, Nigeria   **Feb 2017**

Bachelor of Forestry and Wildlife Management. **(Second Class Upper)**
- **Relevant Coursework:** Computer Programming, Applied Statistics, Principles of Silviculture, Forest Resources Inventory and Mensuration, Remote Sensing and Mapping Techniques, Forest and Wildlife Biometrics.

Awards and Honors

- SUNY ESF Alumni Association Travel Grant, SUNY ESF, January 2025.
- Grant for Research Collaboration on the maiden LIFE-EU C-FARMs Project with € 20,234.18, University of Tuscia, Viterbo, Italy. April 2022. (https://c-farms.eu/)
- UNITUS Scholarship for a Master's program in Forestry and Environmental Science worth € 7500 in total, University of Tuscia, Viterbo, Italy. September 2021.
- Finalist of the Erasmus Mundus Scholarship, Mediterranean Forestry and Natural Resources Management (MedFor). August 2020.
- Most Influential Student in the University. Federation of Ekiti State Student Union. January 2016.

Trainings/Seminars/Conferences/Workshops Attended.

2024 Northeastern (NEMO) and Southern Mensurationists (SOMENS)   **2024**
Annual Joint Meeting, Stowe, Vermont, USA.

Delivered an oral presentation on Diameter distribution modelling of teak stands using the three-parameter Weibull Function.

2024 CNY Conference on Environmental Science and Studies, Syracuse   **2024**
Theme: Beyond the forests.

Society of American Foresters   **2023**
Webinar: FIA's New National-Scale Modeling System for Predicting Tree Volume, Biomass and Carbon.

31st International Joint Conference on Artificial Intelligence, Vienna, Austria　　　**2022**
Participant/Volunteer IJCAI-ECAI 2022
Università degli Studi della Tuscia, Italy　　　**2022**
Applied Statistics with R and Minitab (PhD Track Course)
useR 2021 Global Conference (Online), Participants　　　**2021**
ESRI　　　**2019**
Theme: Go Places with Spatial Analysis. (Online Course)
Nigerian Institute of Management (Chattered)　　　**2018**
Theme: Proficiency Certificate in Management.

Relevant Experience

Department of Sustainable Resource Management, SUNY ESF　　　**Aug 2024 – Dec 2024**
Teaching Assistant, FOR 522 (Natural Resources Measurements and Sampling)
- Coordinated laboratories activities and provide useful practical assistance to the students during the weekly field (forest) data collection exercise.
- Managed grading student laboratories tasks and tutoring students during office hours.

Department of Sustainable Resource Management, SUNY ESF　　　**Aug 2023 – May 2024**
Teaching Assistant, ESF 300 (Introduction to Geospatial Information Technologies)
- Provide weekly guidance to students in carrying out geoprocessing, non-spatial and spatial analysis using ArcGIS Pro.
- Responsible for grading student laboratories tasks and tutoring students during my office hours.

LIFE C-FARMS Project, Research Fellow**.**　　　**May 2022 – Aug 2023**
SISFOR Laboratory, Università degli Studi della Tuscia, Viterbo, Italy.
- Applied geoprocessing techniques for the stratification of the regional territory of the Lombardy Region in homogeneous areas for environmental factors and crop types.
- Developed procedures for mapping the carbon stock content and emissions associated with "business as usual" practices or carbon farming scenarios applicable to the management of land affected by cultivated land, farming systems and wood plantations in the Lombardy region.
- Photo-interpreted high and very high-resolution remote sensing images to evaluate their potential in terms of capacity for monitoring the actual implementation of carbon farming activities agricultural activities that involve a change in the soil cover.

Research Experience
- Forest Biometrics and Measurements, GIS and Remote Sensing application in Forest Carbon Estimation.
- Post-Fire Vegetation Recovery Analysis for Wildfires in Sicily, Italy.
- **Master's thesis:** Urban Green Spaces and Temperature Dynamics of Lagos Metropolis, Lagos State, Nigeria.
- **Undergraduate thesis:** Assessment of Models for Estimating the Yield of Gmelina arborea Stand in Isolu, Abeokuta, Nigeria.

Additional Experience
Università degli Studi della Tuscia, Viterbo, Italy, Teaching Assistant　　　Aug 2023
- Assisted the Professor in charge of the master's degree course on Remote Sensing in Forest Resources Management during classes and laboratory sessions.
- Provided teaching support to aid the understanding of the students.

Consultant/Trainer, Chemonics International Abuja, Nigeria   July 2020
•   Trained health professionals on the topic, "Advancing Analytics from Excel to R"

Advance Analytics Consultant, Kanai Strategies and Analytics, USA   May 2021
•   Manipulate, interpret and analyze data in support of client engagements.
•   Create user's friendly models that evaluate operational data of clients.
•   Support marketing and decision-making activities as well as research development.

R and GIS Lecturer, Federal University of Agriculture, Abeokuta.   June 2021
•   Trained students of the department of Forestry and Wildlife Management who are on internship on how to analyze data using R, Python and to perform basic GIS analysis using ArcGIS and QGIS softwares.

Leadership and Voluntary Experience

Project Coordinator, The Achiever's Gathering, Nigeria.   **Aug 2020**
- Organized the largest online data class for African youths on the Application of Regression for Research and Business Using R and Python.
- Organized a one-week data analysis training using SPSS, R and Python for students in the universities.

Sustainable Development Goals Volunteer, National Youth Service Corps.   **May 2018**
- Coordinated events on the Sustainable Development Goals and developing networks among students in Imo State, Nigeria.

Founder/Team Lead, The Achiever's Gathering, Nigeria.   **2012 – Till Date**
- Oversaw the national activities of the organization and ensure strict adherence to her vision and objectives.

Corper's Liaison Officer, National Youth Service Corps   **2017 - 2018**
President (Student Association), Federal University of Agriculture, Abeokuta.   **2015 – 2017**
Coordinator, International Forestry Student Association (IFSA)   **2014 – 2016**
Legislator (Student Union), Federal University of Agriculture, Abeokuta   **2015 – 2016**

Skills

Language
- Proficient in English Language (Speaking and Writing)
- Intermediate in Spanish and Italian Language.
- Basic in French Language.
- Basic in Italian Language.

Computer
- Advance Knowledge of R, and Python.
- Advance Knowledge of ArcGIS Pro and QGIS.
- Proficient in Graphics and Web Design.
- Proficient in the usage of Microsoft Packages and the Internet.
- Advance knowledge of SQL, HTML, CSS and JavaScript.
- Advance knowledge in Photoshop, Adobe Illustrator and Adobe Premier Pro.

Membership of Professional Bodies

- Society of American Foresters (SAF)
- Forestry Association of Nigeria. (FAN)
- International Forestry Student Association (IFSA)
- Data Science Nigeria (DSN)
- Nigerian Institute of Management (NIM).
- Royal School of Church Music (RSCM), Nigeria.

Publications

- **Author,** A GIS-Based methodology to investigate the carbon sequestration potential of agricultural soils at Regional Scale., Journal of Agronomy, 2025 (Under review).
- **Co-author,** Unveiling short-term variability in post fire vegetation recovery of Mediterranean vegetation with Sentinel-2 time series analysis, Journal of Fire Ecology, 2023 (Under review).
- **Co-author,** Effect of Mycorrhizae inoculation and water regime on the growth of cassia fistula L. seedlings, Journal of Forestry Ideas, 2021.
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Other Information

- **Author,** Basic Statistics for Undergraduate Studies Using R.
https://www.amazon.com/BASIC-STATISTICS-UNDERGRADUATE-STUDIES-USING/dp/B08C4FTJFT
- R Programming Tutorials for Foresters published on Researchgate.
- Host of a free R programming for data science tutorial on YouTube for young African students; https://www.youtube.com/channel/UCax5WxTJvQjtS9elybDivbA/videos