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RESEARCH INTERESTS

Forest Ecology, Ecosystem Services, Conservation, Spatial Ecology, Remote Sensing, and GIS

EDUCATIONAL BACKGROUND

M.Sc. Ecology and Conservation [2021 – 2023]

Western Colorado University

GPA: 4.00/4.00

B.Sc. Forest and Wildlife Management [2014 – 2019]

University of Ilorin

Final Grade: 3.67/4.00

RESEARCH/WORK EXPERIENCE

Graduate Research Assistant [2021 – 2023]

Organization: Western Colorado University

- Monitoring of restored wetland ecosystem using satellite and UAS images
- Presentation of findings to stakeholders
- Analyzing and modeling data using the R programming language
- Seasonal field data collection and analyses

Residence Assistant [2023]

Organization: Western Colorado University (Residence Life Department)

- Community building and development
- Hall operations and administrations

Eco Leader [2022]

Organization: Western Colorado University (LEAD and Sustainability Department)

- Engaged in weekly recycling activities within the campus
- Promoted multiple student engagement campaigns

Research Intern [2017 - 2018]

Organizations: Forestry Research Institute of Nigeria (FRIN), College of Forestry/Kanji Lake National Park, University of Ilorin Plantation Site

- Engaged in research work and laboratory work such as carbon sequestration, tissue culture, etc.
- Engaged in the ecological survey of plants and animals

- Engaged in the planting and transplanting of Teak (*Tectona grandis*) and *Vitellaria paradoxa* (Shea tree) at the nursery

PROJECTS, CONFERENCE PROCEEDINGS, AND PUBLICATIONS

- Babalola, F.D., Rotimi, Y., & Paxie, W.C. (2022). Towards Transformation of Agricultural Landscapes: Determining of Agroforestry Tree Species Producing Beneficial Ecosystem Services to Local Farmers in Nigeria. <https://www.researchgate.net/publication/362372626>
- Maness, P., Cristadoro, L., & Rotimi, Y. (2022). Development of a website for the imperiled wetlands in the Niger Delta of Nigeria. <https://triceratops-platinum-7haw.squarespace.com/config/>
- Rotimi, Y.O. (2022). Geospatial Analysis of Soil Moisture Content Using Satellite Images
- Garett, S., Cussins, J., Harvey, C., Rotimi, Y., & Simnic, P. (2021). Do Aspens Influence Wildfire Severity And Spread?

CONFERENCES AND SEMINARS

- Poster presenter at American Geophysical Union Meeting (AGU), Chicago Illinois [2022]
- Delegate, Women Forest Congress, Minneapolis (<https://womensforestcongress.org/2022-congress/delegates/>) [2022]
- Poster presenter at High Altitude Revegetation (HAR) HAR SER-RM Conference, Colorado State University, [2022]
- Participant at the Fifth Gunnison Sage-Grouse Summit, Western Colorado University. [2022]
- Participant in the presentation on Inclusion, Exclusion, and Equity in the environment by Dr. Karen Bailey, Western Colorado University, Business Hall. [2021]
- Virtual conference on parallels between biodiversity, covid-19, and climate change [2020]
- 7th public lecture of the faculty of Agriculture on Biodiversity and the achievement of SDGs , University of Ilorin. [2019]
- North African Regional Meeting (NARM) of the International Forestry Students Association (IFSA) The University of Ilorin. [2018]
- Nigeria Society on Environmental Conservation (NSEC) maiden conference on the future of biodiversity conservation in Nigeria: individual roles, University of Ilorin. [2016]

HONOURS AND AWARDS

- Student and Young Professional Scholarship to attend the Sustainable Forestry Annual Conference [2023]
- AGU Fall meeting Indigenous community award [2022]
- Professional Development Travel Award to participate in Women Forest Congress in Minneapolis, Western Colorado University. [2022]
- Women Forest Congress travel award to participate in the 2022 Congress in Minneapolis, WFC [2022]
- High Altitude Revegetation (HAR) travel award to attend HAR SER-RM Conference in Fort Collins in April, HAR Committee. [2022]
- Professional Development Travel Award to participate in the 2022 HAR-SERRM joint conference in Fort Collins in April, Western Colorado University. [2022]
- First position in Study Colorado's International Week photo contest [2021]
- Best graduating student of the Department of Forestry Resources Management, University of Ilorin [2019]
- University of Ilorin Undergraduate Scholarship, University of Ilorin. [2019]
- Foursquare Award for Academic Excellence, Foursquare Gospel Church [2019]
- Second runner-up in the 100m race and 4 by 100m relay race in FEDCOL (All Federal Government Colleges) Games, Federal Government of Nigeria. [2012]

VOLUNTEERING EXPERIENCE

Secretary	[2022]
Organization: A2 – Forest Technology (Society of American Foresters)	
<ul style="list-style-type: none">• Serving as group admin in the SAF online community powered by Tradewing.• Recording all notes during virtual or in-person meetings of the WG.	
High Country Conservation Advocates	[2022]
https://www.hccacb.org/news/labor-day-stewardship-weekend-recap	
HAR SER-RM Conference	[2022]
Organization: Society of Ecological Restoration (SER)	
<ul style="list-style-type: none">• Helped with the coordination of various conference activities such as the Panel session	
Sagebrush Post-Fire Restoration Project	[2021]
Organization: Western Colorado University	
<ul style="list-style-type: none">• Planted sagebrush seedlings on site	
National Public Land Day	[2021]
Organization: Bureau of Land Management	
<ul style="list-style-type: none">• Carried out the planting of Sagebrush in Sapinero Mesa on BLM's Land	
Advocacy Officer	[2021]
Organization: ODTC Consulting Firm	
<ul style="list-style-type: none">• Advocated for environmental sustainability and ecological restoration through featuring in live programs• Creating awareness of the importance of managing the environment on a sustainable basis (Link: www.youtu.be/ojPRuC74w_4)	

TRAINING/CERTIFICATIONS

• S-130 Firefighter Training	[2023]
• Spectral Ecology Summer School	[2023]
• PLT Green Mentor program	[2023]
• Women+ in Geospatial Mentorship Programme	[2022]
• The Recreational UAS Safety Test (TRUST) Completion Certificate	[2022]
• Using Spatial Data for Biodiversity by UNDP	[2022]
• Spatial Analysis and Satellite Imagery in GIS from Coursera	[2022]
• Data Visualization for everyone , Datacamp	[2022]
• Drone Camp 2022 , Datacamp	[2022]
• Data Science for Everyone	[2022]
• Introduction to Data Science in Python	[2022]
• S-190 Introduction to Wildland Fire Behavior	[2022]
• Using Earth Observations for Pre-fire and post-fire monitoring , NASA	[2022]

- **Fundamentals of GIS**, Coursera [2022]
- **Creating, Assessing, and Analyzing Biodiversity Data**, African Institute For Mathematical Sc. [2021]
- **Stakeholder Engagement Strategy**, Philanthropy University [2021]
- **Essentials of non-profit strategy**, Philanthropy University [2021]
- **Protected Areas Management in Africa**, IUCN-PAPACO [2021]

FIELDWORKS

Primer/Practicum: Field trips to Willow and Razor Creek [2022]

- Built one rock dam and rock rundown features
- Built Beaver Dam Analogues (BDA)

Field trip to Fozzie's Farm, Dolores Water Conservation District, Ute Farm Ranch, and Dolores River [2021]

- Learned about natural resources management, utilization, and conflict management
- Learned about farming systems, irrigation, and water management

Sapinero Site (BLM's Land) [2021]

- Carried out the installation of loggers and sensors for downloading soil moisture content (SMC) on site

Field trip to the Almont site and Cinnamon site in Rocky Mountain Biological Laboratory [2021]

- Packed up warming experimental sites
- Learned about warming experiments on low and high elevation
- Learned about the use of UAS in estimating vegetation productivity

DIGITAL AND PROFESSIONAL SKILLS

- Microsoft Word / Microsoft Excel /Microsoft PowerPoint / Microsoft Office /
- Good listener and communicator / Organizational and planning skills / Teamwork oriented / Written and Verbal skills / Presenting/R programming/Geospatial analysis skills (QGIS, ArcGIS, SNAP software)/PIX4Dmapper

NETWORKS AND MEMBERSHIPS

- Member of Minorities in Agriculture, Natural Resources, and Related Sciences (MANRRS)
- Member, Society of American Foresters [United States]
- Member, American Geophysical Union [United States]
- Member, Society of Ecological Restoration [United States]
- Alumna, University of Ilorin Forestry Students' Association (UFSA) [Nigeria, Current]
- Member, of the Young Africa Leaders Initiative (YALI) network [Africa, Current]
- Member, of the Forestry Association of Nigeria (FAN [Nigeria, Current]
- Member, of the International Forestry Students' Association (IFSA)