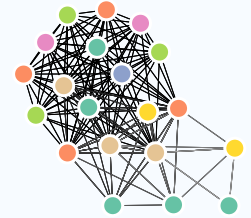# DANMALLAM BELLO ADAMU

I obtained a master's degree in conservation biology and bachelor's degree in applied ecology with experience in working with large biodiversity datasets. I am a proficient user of 'R' computational environment and keen on learning new things to become an 'R' developer.

🎓 EDUCATION

2020 | 2019

MSc Conservation Biology

A.P. Leventis Ornithological Research Institute (APLORI)

📍 University of Jos, Nigeria

- Thesis: Evaluation of Vegetation Characteristics and Habitat Utiilization by Birds in Some Airports in Nigeria

2018 | 2013

B.Tech (Hons) Applied Ecology

Abubakar Tafawa Balewa University (ATBU)

📍 Bauchi state, Nigeria

- CGPA: 4.39/5.0

💼 RELEVANT EXPERIENCE

present | April., 2021

Database Administrator

Nigeria Bird Atlas Project (NiBAP)

📍 APLORI, Nigeria

- Represented Africa Bird Atlas Project (ABAP) in a Global Biodiversity Information Facility (GBIF) data mobilisation training
- Trained on project planning, data capture, data management, digitization of biodiversity data, getting data using {rgbif}, and publishing data through the GBIF Intergrated Publishing Toolkit (IPT).
- Maintain and query bird atlas SQL database; developing and implementing the necessary technology and user-friendly tools for the collation, digitization and organization of the bird atlas data; and writing database documentation

present | August, 2020

IT & Web Development

Coalition for Biodiversity Conservationists of Nigeria (CBCN)

📍 Nigeria

- Database administration,website management, content creation and archiving
- Creation and management of social media accounts: Twitter (https://twitter.com/TheCBCN), Facebook (https://facebook.com/cbcnpost), and Instagram (https://instagram.com/TheCBCN) using hootsuite

View this CV online

CONTACT

✉

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🔗 bdanmallam.com

📞 23408038175878

LANGUAGE SKILLS

R

SQL (MySQL)

PHP

Python

March, 2020 | October, 2019

Post Graduate Researcher

A.P. Leventis Ornithological Research Institute (APLORI)

📍 University of Jos, Nigeria

- Involved in bird census, vegetation measurement, and geospatial data extraction using NASA's Earth Data application (AppEEARS) with R to download and explore the geospatial data at various spatial and temporal scales.
- Accessed and downloaded past bird strikes data and aircraft movement records from Nigerian Civil Aviation Authority (NCAA) and independently analyzed and constructed statistical models for the large data
- Developed models to predict the influence of vegetation cover on birds and bird strike risk, recommending measures for avian and aviation safety

2019 | 2018

Teacher

National Youth Service Corps (NYSC)

📍 Federal College of Education, Katsina

- Classroom management, teaching methods and techniques

2017 | 2016

Intern

APLORI

- Involved in field data collection and research work of five Master's students and one PhD student from APLORI
- Trained on using R programming for statistics/data science and Microsoft Office (Excel, Word, and PowerPoint) in data analysis, technical reports and presentations
- Trained on using Quantum Geographical Information System (QGIS) in map production and remote sensing techniques (such as downloading, processing and classification of satellite imagery)

👤 PROFESSIONAL DEVELOPMENT

2020

Databases for Developers: Foundations

Oracle Dev Gym

2018

Research Writing in the Sciences and Communicating Research Outside Academia

AuthorAID, UK

2014

Diploma, Computer Operations

Professor Iya Abubakar Community Resource Center

📍 Bauchi

PUBLICATION & CONFERENCES

Arewa Atlas Team: report of a five-day 100 pentads survey, with two out of range forms

Biodiversity Observation (in press)

· Authored with: Ringim, A.S., Muhammad, S.I., Bako, L.A., Abubakar, H.M., Isa, S.M., Joseph, D.N., Aliyu, A.B., Bunu, A.S., Abdullahi, H.A., Jalo, M.I., Eveso, J.O., Mathew, E.D., Mador, U., Paul, J.I., Aminu, I., Lawal, A.I., Ibrahim, J.I., & Ponyil, A.N.

2021 **useR 2021 Conference (Participant)**

Topics covered include: R packages, R spatial analysis, Shiny, Data visualisation, Machine Learning & Data management, R in Ecology and Environmental Sciences, Teaching R and R in Teaching, Statistics and Bioinformatics, The R-universe project, Community and Outreach, amongst others.

· Learned the foundations of {fusen} in R package development using R Markdown, {devtools} and {roxygen2}; Learned about {mapsf}, {maptools}, {leaflet}, {rgeoboundaries}, {ggplopt2}, {rgdal}, {raster}, and {dismo} in spatial analysis; Learned the basics of shiny web-app development and teaching using R in a reproducible way; Learned about the R universe project in publishing software (in CRAN-like repository) and discovering reproducible Rmd articles from a package's vignettes.

2019 **A Comparative Study of Tree Vegetation Composition between Fenced and Unfenced area of Sumu Wildlife Park, Bauchi State**

The 6th Biennial Conference of Nigerian Tropical Biology Association (NTBA)

📍 Federal University, Dutse, Nigeria

· Presentation

2018 **Effects of Size and Bark Roughness of Parkia Biglobosa on Lichen Colonization in Amurum Forest Reserve: Implication for Conservation**

Science Forum (Journal of Pure and Applied Sciences), Abubakar Tafawa Balewa University Bauchi

· Institutional Publication
· Authored with Toma Buba

ACKNOWLEDGED CONTRIBUTIONS

phyloregion: R package for biogeographical regionalization and macroecology (Journal: Methods in Ecology and Evolution)

Acknowledged by the authors for help in translating abstract to Hausa language

MANUSCRIPT IN PREPARATION

Lichens as bioindicators of air quality in a tropical savannah environment

Target journal: African Journal of Ecology

- **Human conflicts with birds: a case study of birdstrikes and bird migration hurdles**

  Target journal: Ornithological Applications

👥 REFEREES

- **Prof. Suleiman Dangana Abdul**

  ATBU, Bauchi

  · Phone: +2348033324573
  · Email: sdabdul@atbu.edu.ng

- **Prof. Shiiwua A. Manu**

  APLORI, University of Jos

  · Phone: +2348038501780
  · Email: shiiwua.manu@aplori.org

- **Dr. Samuel T. Ivande**

  Africa Bird Atlas Project (ABAP); Scientific Director, APLORI, University of Jos

  · Phone: +2348034505284
  · Email: ivande.sam@gmail.com