

CAREER OBJECTIVE

To become an exceptional scientist and a renowned researcher in drug chemistry, ignite students' interest in the beauty of chemistry, mentor world class students and ultimately better the society through generation of science-based solutions to everyday problems.

RESEARCH INTEREST

Drug synthesis and design.

EDUCATION

Bachelor of Science, Chemistry: University of Ibadan, Nigeria (UI)

March 2015 - May 2019
CGPA: 5.3/7.0

A' level certificate: Global Cambridge College, Ibadan, Nigeria

October 2013 - June 2014
13 points. Biology (B),
Chemistry(B) and Physics(B)

Thesis: Phytochemical Investigation of the Stems of *Tithonia Diversifolia* (Hemsl) A. Gray. [Link to abstract](#)

Relevant Courses: Organic Chemistry, Organic and Physical Chemistry of Macromolecules, Heterocyclics, Carbocyclics and Reaction Mechanisms, Pericyclic reactions and Naturally Occurring Compounds, and Chemistry Seminar.

Seminar Topics:

- Application of Organic Compounds in Nanochemistry.
 - Carbon Trading.
 - Industrial Chemistry in Medicine.
 - Inorganic Chemistry in Drug Design.
 - Contribution of Chemistry towards Sustenance of Environmental Safety - A review of Organic Chemosensors.
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RESEARCH EXPERIENCE

National Reference Laboratory - Lab Technician

December 2020 – Present

- Part of the team of workers responsible for carrying out COVID-19 Tests on behalf of the Nigeria Center for Disease control NCDC

Raw Materials Research and Development Council - Research Assistant

July 2019 – March 2020

- Carried out expository research on numerous domestic raw materials which would enable government formulate appropriate policies for their exploitation, development, utilization and investment.
- Engaged in cluster programmes aimed at promoting value chain industrial development of the abundant locally available raw materials across the country.
- Compiled specifications for industrial chemicals and pharmaceutical raw materials
- Prepared periodic policy reports on all sectors as applicable to industrial chemicals and pharmaceutical industries.
- Collated and processed data on industrial chemicals and pharmaceuticals raw materials development and utilization.

Contact: Mr. C. K. Egbujor- egbujorchijioke@hotmail.com

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[LinkedIn](#)

Organic Laboratory, University of Ibadan - Undergraduate Research Assistant

August 2018 - April 2019

- Compiled an in-depth literature review on Phytochemical Investigation of the Stems of *Tithonia Diversifolia* (Hemsl) A. Gray.
- Extracted and concentrated extracts from the stems of *Tithonia Diversifolia* (Hemsl) A. Gray in different solvents.
- Carried out bioassays and thin layer chromatography of extracts of the leaves and stems of *Tithonia Diversifolia* (Hemsl) A. Gray

Contact: Professor O. O. Aiyelaagbe - oaivelaagbe@yahoo.com

Chemistry Department, University of Ibadan - Student

March 2015 - July 2018

- Carried out qualitative tests for salts, organic matter and effluents during weekly practical.
- Worked as part of a team in research laboratories

Contact: Professor T. I. Odiaka - timothy_diaka@yahoo.co.uk

INDUSTRIAL EXPERIENCE

Nigerian Institute of Science Laboratory Technology- Intern

February - April 2018

- Chemical analysis on water samples (waste water, stream, rivers, streams) to establish whether water quality is within acceptable limits.
- Checks to determine whether levels of heavy metals and other pollutants in environmental samples are within regulatory guidelines.
- Preparation of required reagents used in chemical analysis.
- Sample preparation for chemical analysis.
- Visited industries to ensure their effluents were within regulatory guidelines.

Forestry Research Institute of Nigeria (FRIN)- Intern

December 2016 - February 2017

- Acquired further knowledge on the biological, chemical and physical properties of soils, and their spatial and temporal variability across the landscape
- Carried out field work, including the collection of soil samples from a range of environments
- Performed analysis on soil samples to check for the “plant available” organic content in them
- Evaluated the fertility status of soil samples from different parts of the country
- Carried out is the *in vitro* aseptic culture of cells, tissues, organs and whole plants under controlled nutritional and environmental conditions to produce the clones and varieties of plants.

TEACHING EXPERIENCE

Apo Junior Secondary School, Abuja- Maths and English Teacher

January 2020–March 2020

- Taught Junior Secondary Students English and Mathematics
- Prepared the students for their forthcoming exams

Government secondary school, Apo Resettlement, Abuja - Maths and English Teacher

August - December 2019

- Taught Junior Secondary Students English and Mathematics
- Prepared students for later grades by encouraging them to explore learning opportunities and to persevere with challenging tasks.

PROFESSIONAL DEVELOPMENT

Fundamentals of Manuscript Preparation - Elsevier Researcher Academy

August 2020

- Learned how to build well-articulated articles and using reference managers.

ACS Reviewer Lab

December 2019

- Learned the steps and important ethical considerations involved in peer review

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Introduction to Digital Humanities - [HarvardX](#), [edX](#)

September - November 2019

- Learned digital research and visualization techniques across subjects and fields within the humanities

Introduction to Data Science - [edX](#)

September - October 2019

- Learned basic data exploration and visualization techniques in Microsoft Excel
- Learned Foundational statistics that can be used to analyze data

Fundamentals of Digital Marketing – [Google](#)

August 2019

- Learned strategic marketing concepts and tools to address brand communication in a digital world

Project Management Program (PMP) – *Dexter and Heros Consulting Ltd*

August 2019-January 2020

- Established a solid foundation in project management, behaviors, skills, processes and tools.

Health, Safety and Environment (HSE) – *Dexter and Heros Consulting Ltd*

August 2019-January 2020

- Acquired knowledge, skills and solid training in the theories and practices of occupational health and safety, emergency planning and environmental management.
- Acquired training on the management, control and handling of all aspects of health, safety and environment in different work environment.

AWARDS AND CERTIFICATIONS

- Federal Scholarship Board of Nigeria Scholarship Recipient
- Award of Meritorious Service, Students' Chemical Society of Nigeria.
- Award of Meritorious Service, Nnamdi Azikwe Hall
- Certificate of Appreciation, ENGINE

LEADERSHIP AND EXTRACURRICULARS

School Lead, Educating Nigerian Girls in New Enterprise (ENGINE)

August 2019- Present

- Participated in various programmes directed at improving learning outcomes and economic status of marginalized adolescent girls between the ages of 10 and 19 years in Abuja
- Provided life skills instruction to girls in the classroom.
- Provided Vocational and business skills training to girls in the classroom
- Engaged in activities to address barriers to girls' education (SHEro campaign, advocacy visits, social media campaigns, community engagements)

Volunteer, Red Cross

July 2019

- Volunteered as a Red Cross member in the National Youth Corps Training camp and learned the role of first responders in emergency situations

Team Member, Global Management Challenge, Nigeria.

May - June 2019

- Participated in a Business Management Simulation and finished with one of the highest Investment Performances in the school.

Volunteer, Ace5 Initiative

December 2018-July 2019

- Attended monthly orphanage visits and worked with other members in sourcing for funds and forming strategic partnerships with governmental and non-governmental organizations.

President, Student Chemical Society of Nigeria, University of Ibadan.

April 2018 - April 2019

- Processed correspondences for the society and served on numerous welfare committees.
- Exercised control, harmonized and coordinated different aspects of the society activities throughout the year
- Coordinated student council activities and was in charge of running student council meetings.
- Served as a direct representative of the student body to the department's administration
- Managed the society's budgets and was in charge of sourcing funds for capital projects

General Secretary, Nnamdi Azikwe Hall Electoral Committee

July 2018

- Prepared agendas for meetings and kept records of the minutes of all meetings held

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- Participated in the screening of nominees for all executive and legislative posts in the hall
- Exchanged correspondence with relevant school authorities to ensure legitimacy of the elections
- Checked voter eligibility, authenticated eligible voters, managed the electoral roll and was responsible for voter communication.
- Ensured the election process was legally watertight and announced the electoral results, and sent said results to relevant school authorities

WORKSHOPS & LECTURES

- International Conference and Expo on Drug Discovery, Designing and Development (Kano, Nigeria, 2020)
- Wood Expo Nigeria (Abuja, 2020)
- Inaugural Lecture, Professor J. A. O. Woods; Systematic Coordination Compounds: From Fundamentals to Applications (University of Ibadan, 2019).
- Global Leadership Summit, University of Ibadan
- Students' Chemical Society of Nigeria National Conference (Lautech, Ogbomoso, 2018)
- Chemical Society of Nigeria National Conference (University of Ibadan, Nigeria, 2018)

SKILLS AND INTERESTS

Software and Programming: ChemDraw, MATLAB, Microsoft Office, HTML, CSS & Python.

Languages: English and Yoruba (native).

Interests and Hobbies: Data Science, Machine Learning, History, Philosophy, Chess, Foreign cultures, Politics, International relations.