

# CHIAMAKA FRANCES NWOBODO

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## ACADEMIC CREDENTIALS

### Education

- **Enugu State University of Science and Technology (ESUT), Nigeria** **May 2015 – Jun 2019**  
B.Sc. Applied Biology and Biotechnology | CGPA: **4.57/5.0** **Class Rank: (1/186)**
- **Undergraduate Research** - *“Comparative Effects of Different Types of Fertilizer Application on Growth of Soybean (Glycine Max (L.) Merrill)”*
- **Research Mentor** –Dr. Omeje F.U.

## WORK, TEACHING, AND RESEARCH EXPERIENCE

### (Brand Promoter) Nigeria Breweries

**Nov 2022 – Oct 2023**

- Developed market intelligence, market research and delivered campaign content for Nigerian Breweries back to bar platforms. Created and managed all content for digital sales team.
- Created concept and content for running daily business as well as supported customer development initiative
- Promoted the brand to consumers and made sure that the brand was the most consumed, requested and known.

### Independent National Electoral Commission

**Enugu, Nigeria 2023**

#### Adhoc Staff-Presiding Officer

- Confirmed that voter's details in the PVC are contained in the Register of Voters and ticked the appropriate box by the voter's name before polling.
- Applied indelible ink on the appropriate finger of the voter before polling.
- Assisted in the preparation and sorting of the ballots.

### (NYSC), Army War College Nigeria Abuja, Nigeria

**Oct 2021 - Nov 2022**

#### Library Assistant

- Organized and shelved books, periodicals, and other materials according to the library's classification system.
- Conducted regular inventory checks and shelf-reading to maintain the accuracy of the library's collection.
- Assisted in the migration of the library catalog to a new software system, ensuring a seamless transition for patrons.

### Faculty of Applied Natural Sciences, ESUT, Nigeria

**Jun 2016 – Sept 2021**

#### Tutor

- Diligently taught chemistry, biochemistry, genetics, and pharmaceutical microbiology to over 400 (1st- 4th year) undergraduate students with positive results realized.

### (Student Industrial Work Experience Scheme (SIWES)), Enugu, Nigeria Feb–Aug 2018

#### Industrial Training

- Laboratory Assistant at Projects Development Institute (PRODA). Measured water content, protein content, oxygen content, butter fat, total solids, viscosity, antibiotic levels, homogenization, and freezing temperatures.
- Performed procedures and calculations crucial to quality controls, including high- performanceLiquid chromatography (HPLC), gas chromatography (GC), pH testing, instrument calibration,Centrifugation and volumetric titrations.
- Earned a reputation for preparing accurate lab reports, sample logs, plant documents and certificates of analysis/conformity.

## ACADEMIC PRESENTATIONS

- **“Phytoremediation as a Promising Approach for the Revegetation of Heavy Metals-Polluted Lands”:** Poster and Oral Seminar Presentation for the Department of Applied Biology and Biotechnology in ESUT (May, 2018)
- **“Comparative Effective Effects of Different Types of Fertilizers in the Growth of Soybean (*Glycine max* (L.) Merrill)”:** Oral Presentation for the Department of Applied Biology and Biotechnology in ESUT (June, 2019)

## PUBLICATIONS

- Ezeako, C. E., Olaoye, V., Nwobodo, C. F., Ishaya, I., Edeh, E. C., Ojotule, A. L., Udum, V. C., and Ubah, G. L. (2023). Engineering plant secondary metabolites synthesis using CRISPR-CAS for improved immune modulatory properties: Prospects of phyto-adjuvant production. *PlantaMedica Journal*. **(Accepted)**
- Okoliko V., Mathias, A. G., Ekwoba, L., Charles D., Nwobodo, C. F., Ozokwo, M., OlorunfemiOyewole, B. and Omeje, H. E.(2023). Effects of defatted Moringa oleifera seed on skeletal muscle of Protein Energy Malnourished rats. <https://www.phytojournal.com/archives/2023.v12.i5.D.14747/effects-of-defatted-moringa-oleifera-seed-on-skeletal-muscle-of-protein-energy-malnourished-rats>

## CONFERENCES

- Ezeako E., Nworah F., Nwobodo C.F, Osuji D., Udum C., Okafor O., and Eze C. (2023). Profiling of bioactive compounds, antioxidant properties and inhibitory potentials of Ethanolic Leaf Fraction of *Sidalinifolia* L. (Malvaceae) on Enzymes implicated in the pathology of Diabetes Inflammation, and Neurological Disorders. *The 9th International Electronic Conference on Medicinal Chemistry (1–30 Nov 2023)*. <https://sciforum.net/paper/view/15897>

## LEADERSHIP EXPERIENCE

### Director of Special Duties, National Youth Council of Nigeria.

2021 – Till date

- Monitoring the implementation of selected special project and decisions of the organization.
- National Youth Council of Nigeria matters (NYCN) of reimbursement and fund reconciliation of the state from Federal Government.
- Relations on special programmes with federal, state and local government and their agencies and private sectors may be practicable from time to time.

### Student President, Department of Applied Biology and Biotechnology, ESUT, Enugu, Nigeria

2018 - 2019

- Plan and organize school wide formal and semiformal events
- Bridge communication between students and faculty
- Relay information from graduate council administration to the department

## ACHIEVEMENTS/AWARDS

- **Best academic performer of the year** (Nov 2020)  
*For outstanding and exceptional academic performance*
- **Professor G. I. Ameh Departmental Prize** (Dec 2019)  
*Best Graduating Student with the highest CGPA in the Faculty of Applied Natural Sciences* (2018/2019 academic session)
- **First Class Award** (Dec 2019)  
*In recognition of academic excellence and Commendable behavior (Courtesy: Esut Alumni (Home Branch))*
- **Professor Nwamba Prize** (Dec 2017)  
*Best Graduating Student in the Department of Applied Biology and Biotechnology, ESUT* (2015/2016 academic session)

## PROFESSIONAL DEVELOPMENT/CERTIFICATES

- **ALX SOFTWARE ENGINEERING PROGRAME** (Oct, 2022 – Pending)
- **NIGERIAN RED CROSS COMPETENCE BASED STANDARD FIRST AID COURSE** (Oct, 2022)

## TECHNICAL SKILLS

- Operating Systems: Windows, Ubuntu, Flask version control (Git)
- Languages: JavaScript, CSS, HTML, Python, C, Bash Shell Scripting, SQL