

Favour Ndukwe Ugochi
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OBJECTIVE

Dedicated and detail-oriented Biochemistry graduate with a strong foundation in molecular biology, clinical diagnostics, and biomedical research. Passionate about leveraging scientific knowledge to solve real-world health challenges, especially in drug discovery, public health, and nutrition. Seeking a dynamic role in a biotechnology, pharmaceutical, or clinical research setting in Nigeria to contribute to healthcare innovation and community well-being.

EDUCATION

Bachelor of Science in Biochemistry

Michael Okpara University of Agriculture, Umudike, Abia State, Nigeria

Graduated: July 2024

- **Relevant Coursework:** Molecular Biology, Enzymology, Metabolism, Protein Chemistry, Biotechnology, Analytical Biochemistry.
- **Final Year Project:** Insilico modelling of some compounds from hydromethanolic extract of *thaumatococcus Danielli* stalks for potential anti cancer therapy.

EXPERIENCE

Intern – Medical Laboratory Scientist Assistant

Federal Medical Centre, Umuahia, Abia State

March 2023 – September 2023

- Assisted in routine biochemical analyses including liver and renal function tests.
- Participated in serum protein electrophoresis, urinalysis, and blood glucose estimation.
- Gained exposure to diagnostic equipment such as centrifuges, spectrophotometers, and ELISA machines.
- Maintained quality control and prepared reagents under supervision.

Student Research Assistant

Department of Biochemistry, MOUAAU

October 2022 – July 2023

- Conducted phytochemical screening and antioxidant assays using DPPH and FRAP methods.
- Co-authored a report on the biochemical properties of local medicinal plants used in Eastern Nigeria.

- Engaged in collaborative grant proposal writing for cancer research funding.

UNDERGRADUATE LABORATORY EXPERIENCE

Michael Okpara University of Agriculture, Umudike | 2019 – 2024

- **Enzyme Kinetics:** Conducted spectrophotometric analysis of amylase and catalase activities under varied pH and temperature conditions.
- **Protein Purification:** Isolated proteins via gel filtration and ion-exchange chromatography and measured protein concentration using the Bradford assay.
- **DNA Techniques:** Extracted DNA from plant tissues and analyzed purity with agarose gel electrophoresis.
- **Spectrophotometric Assays:** Determined glucose, urea, and total protein concentrations using UV-Vis spectrophotometry.
- **pH and Buffer Systems:** Prepared and applied various biological buffers to study enzyme behavior in vitro.
- **Lab Collaboration:** Presented results during departmental research seminars with strong emphasis on scientific communication.

SKILLS:

Technical Skills:

- Microsoft Office (Excel, Word, PowerPoint)
- Laboratory Instrumentation: Spectrophotometer, Electrophoresis unit, pH meter, Micropipettes
- Analytical Tools: Basic SPSS, Bioinformatics (SwissADME, AutoDock), GraphPad Prism

Soft Skills:

- Scientific Writing and Data Interpretation
- Research Documentation and Report Presentation
- Teamwork, Time Management, and Adaptability

ACHIEVEMENTS

- Commended for outstanding presentation on phytochemical and antioxidant research (2024).
- Selected for departmental leadership in organizing Biochemistry Student Research Day.
- Graduated with honors, maintaining a CGPA in the top 10% of class.

PROFESSIONAL AFFILIATIONS

- Nigerian Society of Biochemistry Students (NSBS)
- Nigerian Young Academy of Science – Student Member (2023 – present)

Referees:

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Lecturer, Department of Biochemistry, MOUAAU
Dr Charles Nnanna

08130149426

Senior Laboratory Technologist, FMC Umuahia
Mr. Ufere Kalu