

# MFON VICTORIA SUNDAY

5101, Cass Avenue, Detroit, MI, 48202

E-mail: [mfon.sunday@wayne.edu](mailto:mfon.sunday@wayne.edu)

## EDUCATION

**Wayne State University**  
Ph.D. in Physical Chemistry

**Detroit- Michigan**  
August 2022- Present

**University of Uyo**  
Bachelor of Science, Chemistry

**Uyo, Nigeria**  
May 2016

## RESEARCH AND WORK EXPERIENCE

**Wayne State University**

Graduate Teaching Assistant

**Detroit-MI**  
August 2022- Present

- Teaching General Chemistry for undergraduate students.
- Developing quizzes, and worksheet to improve student's efficiency.
- Students' assessment and grading.

**Nigerian Institute of Medical Research**

Research Intern, Population Genomics and Cancer Research Group.

**Lagos, Nigeria**  
May 2021 – April 2022

**HIV drug resistance program.**

Use of genomic tools in optimizing treatment regimens for HIV infected patients

- Skills utilized - Nucleic acid extraction, Polymerase chain reaction (PCR), Agarose Gel Electrophoresis, Sequence Purification, Quantification and Sequencing.

**COVID-19 PCR testing program.**

- Skills utilized - Nucleic acid extraction, Real-Time PCR (Quantitative PCR).

**Mitigating HIV drug resistance among pregnant women and their new-born (HIPWaN project)**

Recruiting and monitoring HIV infected pregnant women to prevent transmission of possible drug resistance to their newborns

- Skills utilized - Nucleic acid extraction, Polymerase chain reaction (HIV), Agarose Gel Electrophoresis, Sequence Purification, Quantification and Sequencing.

**Genotyping Human Papillomavirus strains among women in Nigeria.**

Characterization of Human papillomavirus strains among 1000 women in Nigeria

- Skills utilized – HPV screening using ascetic acid, Sample preparation and testing using Real-Time PCR.

**National Petroleum Development Company (NPDC)**

**Industrial Trainee**

October 2014- Mar 2015

National Petroleum Development Company (NPDC), Benin, Nigeria

- Successfully carried out analysis on the soil samples from the oil rig and monitored the readings at the flow station to prevent hazards. Worked with the rig engineers during drilling in separation of gases and liquids using various analytical methods

## PUBLICATIONS

- Okon U. Abakedi, **Mfon V. Sunday** and Mfon A. James (2021). Mild steel corrosion inhibition in acidic medium by *Jatropha tanjorensis* stem bark extract. *International Journal of Chemical Studies* 1; 9 (3): 09-13
- Okon U Abakedi and **Mfon V. Sunday** (2021). Potential of *Microdesmis puberula* root extract as an eco-friendly inhibitor for aluminium corrosion in 2 M HCl solution. *IOSR Journal of Applied Chemistry (IOSR-JAC)*, 14(5), (2021): pp 15-21.

## CONFERENCES ATTENDED

- Future Scientists Symposium of American Chemical Society, Ogbomosho, Nigeria 2017
- Chemical Society of Nigeria Annual International Conference, Abuja, Nigeria. 2015
- Chemical Society of Nigeria annual International Conference, Uyo, Nigeria. 2014

## LEADERSHIP AND VOLUNTEERING EXPERIENCE

### Volunteer, Optimal Cancer Care Foundation

June – October 2021

*Breast & Cervical Cancer Screening and treatments for women across Lagos State outreach:*

### Volunteer, American Chemical Society (ACS)

September 2015 - present

- Perform hands on experiment aimed at demystifying for the young ones in secondary and primary schools like “the secret science of diapers”.

### Lagos Food Bank Initiative, Volunteer

September 2019 -Present

- Assist in sorting and packaging of relief materials in preparation for outreaches in the slums usually for a minimum of 500 people including children.

### Vice President, Students Chemical Society of Nigeria (SCSN)

August 2015 – January 2016

*University of Uyo Chapter -*

- Assisted the president in organizing seminars for students and organized lecturer to students’ platform to bridge the gap between the students and their lecturers. Co-organized students’ participation and attendance in local and international conferences.

### Secretary, American Chemical Society (ACS)

October 2015 - February 2016

*University of Uyo Students’ Chapter*

- Kept records of all community projects carried out and the expenses incurred and society and conducted daily administrative operations.

## AWARDS & RECOGNITIONS

Awarded a Merit Award as the most loving teacher

July 2018

Awarded a Certificate of Recognition as American Chemical Society (ACS) Chemistry Ambassador

October 2015

- For promoting the value of chemists and chemistry to the community

## SKILLS AND COMPETENCIES

**Laboratory:** |Electrophoresis | DNA Extraction, Purification, and Cloning | RNA Extraction & Purification| PCR Amplification |Chemoinformatics | Isolation of Protein |

**Software:** Microsoft Suite | Python Learner

**Personal Strengths/skills:** Excellent communication | Leadership and Teamwork | Interpersonal relationship | Time and project management | Teaching | Critical Thinking | Emotional Intelligence |