

LAWAL MARIAM AINA (AIISM)

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PROFESSIONAL SUMMARY:

A biochemist experienced in *in-silico* and *in-vivo* study, Bioinformatics, Molecular biology and Biochemical methods, computer aided drug design (CADD), including research, development and clinical works. Passionate about enhancing global human health by contributing to cellular research, disease prevention and diagnostic improvements, also, able to leverage quantitative strengths to solve technical problems, advance scientific breakthroughs and support innovative assay development.

EDUCATION:

B.Sc. Biochemistry (First Class)

Federal University of Agriculture Abeokuta, Ogun State (FUNAAB) 2019

West African Senior School Certificate Examination (WASSCE)

Foremost Comprehensive College Ikotun, Lagos State. 2011

PROFESSIONAL TRAINING AND CERTIFICATION:

Health, Safety and Environment Management Professional (HSEP)(Level I, II, & III)

INTERNATIONAL INSTITUTE OF PROJECT AND SAFETY MANAGEMENT (IIPSM) 2019

Jobberman Soft-Skills Training

JOBBERMAN 2020

Introduction to R

AMITY FUTURE ACADEMY 2020

Introduction to Product Management

AMITY FUTURE ACADEMY 2020

Improving outcomes from Cardiac Arrest

AMITY FUTURE ACADEMY 2020

HTML & CSS Certification Course for Beginners

UDEMY 2020

Sustainable Development of Plastic Free Society

IMPACT YOUTH SUSTAINABILITY (IYS INDIA) 2020

JOB EXPERIENCE:

NOVENA DIAGNOSTICS SERVICE ILE-EPO LAGOS STATE 2020

POSITION HELD: Laboratory Scientist (volunteer)

Responsibilities: Collection of blood and other samples needed to carry out various medical laboratory test, handling of reagents for various laboratory test, storage of test kits, reagents and various specimens, carrying out various laboratory tests like Chemical pathology, Microbial and Hematology tests.

Federal University of Technology Akure State (FUTA) (NYSC) 2019-2020

Center for Research and Development (CERAD) FUTA

POSITION HELD: Research Assistant

Responsibilities: I carried out various laboratory research work, handling of reagents, test kits and other chemicals needed for various research, I collected samples and data for research purposes, writing of research proposal, review of proposals for Grantsmanship, preparation and dispatching of memos, I assisted in writing of research article for publication and carrying out other necessary laboratory work.

NOVENA DIAGNOSTICS SERVICE ILE-EPO LAGOS STATE

2017-2018

POSITION HELD: Trainee Laboratory Scientist

Responsibilities: Collection of blood and other samples needed to carry out various medical laboratory test, handling of reagents for various laboratory test, storage of test kits, reagents and various specimens, carrying out various laboratory tests like Chemical pathology, Microbial and Hematology tests.

BINAM PRIVATE SCHOOL EJIGBO LAGOS

2016

POSITION HELD: Biology and Chemistry Teacher (volunteer)

RESPONSIBILITIES: Teaching of Students biology and chemistry subject, preparation of lesson notes and examination questions, impacting good morals in the students and carrying out other responsibilities as directed by the head mistress.

SUNNY OLUWANISOLA & SONS NIG. LIMITED EJIGBO LAGOS

2012-2014

POSITION HELD: Secretary

RESPONSIBILITIES: keeping of daily financial record of the organization and reporting to the managing director daily, making sure customers are well attended to and ensuring the organization is conducive for the staffs and carrying out other responsibility as directed by the director.

RESEARCH AND PUBLICATIONS:

- Akinloye OA, Akinloye DI, Lawal MA, Shittu MT, Metibemu DS. Terpenoids from *Azadirachta indica* are potent inhibitors of Akt: Validation of the anticancer potentials in hepatocellular carcinoma in male Wistar rats. J Food Biochem. 2020;00:e13559. <https://doi.org/10.1111/jfbc.13559>.
- Akinloye, O.A., Akinloye, I. D., Lawal M. A., Shittu, M.T., Metibemu, D.S, *et al.* (2020). *Cannabis sativa* demonstrates anticancer potentials via inhibition of the Akt: in-silico and in-vivo validation in animal model of hepatocellular carcinoma (submitted).
- In-silico and in vivo studies of therapeutic uses of Annona Muricata leaves.
- Assessment of heavy metals concentration of selected fruit grown along road in Kogi State, Nigeria.
- Correlation between high intake of Iron-fortified foods and prevalence of HIV in Ondo State Nigeria.
- In-silico studies of therapeutic effect of Sorghum as a potent inhibitor of COX-2

MEMBERSHIP:

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| • Renewable Energy and Environmental Sustainability (REES) Africa | |
| • Member, Nigerian Bioinformatics and Genomics Network (NBGN) | NBGN1405 |
| • Associate, International Institute of Safety Management (AIISM) | IIPSM0857 |

SOFT SKILLS:

- Competent user of Microsoft packages (Word, Powerpoint, Excel, Project)
- Knowledge of mac pymol, Autodock Vina
- Competent user of SPSS, and Graphpad

HONORS AND AWARDS:

- Best graduating female student, Department of Biochemistry, Federal University of Agriculture, Abeokuta, Nigeria (May, 2019).
- Second overall best CGPA Biochemistry Department FUNAAB 2018 set (2nd of 86 students).
- Skill Acquisition and Entrepreneurship Development (SAED NYSC) 2019
- Top 5 Graduating Student College of Biosciences FUNAAB (2018 set)

REFEREES:

Prof. O.A Akinloye
Dean, College of Biosciences
Federal University of Agriculture Abeokuta
(FUNAAB), Ogun State, Nigeria.
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Dr. D.S Metibemu
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