

Teslim Olayiwola

College of Petroleum Engineering and Geosciences,

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EDUCATION

- | | |
|---|---------------------|
| African University of Science and Technology (AUST), Nigeria | Jul 2016 – Dec 2017 |
| Master of Science in Petroleum Engineering (3.64/4.00) | |
| Ladoke Akintola University of Technology, Nigeria. | Jan 2011 – Dec 2015 |
| Bachelor of Technology in Chemical Engineering (4.62/5.00) | |
| Wesley College of Science, Ibadan, Nigeria. | Sep 2007 – Jul 2010 |
| High School Certificate. | |

RESEARCH EXPERIENCE

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| College of Petroleum Engineering and Geosciences, Saudi Arabia | Jan. 2019 - present |
| Research Assistant, Department of Petroleum Engineering | |
| <ul style="list-style-type: none">• Currently working on the study of atomistic simulation of side chain functionalized Partially Hydrolyzed Polyacrylamide (HPAM) derivatives• Reviewed of different pressure transient methods in various naturally fractured reservoir• Reviewed limited types of polymers (including HPAM) in oil recovery processes | |

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| African University of Science and Technology (AUST), Abuja | Mar. 2017 – Dec. 2017 |
| Graduate Assistant, Department of Petroleum Engineering | |
| <ul style="list-style-type: none">• Built reservoir model using geostatistical techniques, performed reservoir simulation and economic analysis with data analysis software• Applied infill well optimization technique with specific focus on space filling design and metaheuristic algorithm i.e. Genetic Algorithm and Particle Swarm optimization• Applied petroleum engineering software such as Techlog, Petrel, Eclipse, SGeMS, statistical packages such @Risk, Crystal Ball and SAS in classroom and other research activities• Represented the University at both Society of Petroleum Engineers' Nigerian and African regional paper contests and got the first position | |

- Became the 1st student to deliver an Ambassadorial lecture in the department
- Delivered an honorary lecture at Nile University Abuja Society of Petroleum Engineers student program on conducting research, writing paper and project reports
- Submitted a paper to Springer Petroleum Exploration and production technology, Petroleum and Coal and International Journal of Oil, Gas and Coal Technology for publication
- Assisted the research team by reviewing relevant literature, designing research frameworks, collecting, and analyzing data
- Collaborated with colleagues in conducting research and article writing for publications

Ladoke Akintola University of Technology, Ogbomosho
Research Assistant, Department of Chemical Engineering

Jun 2015 – Mar. 2016

- In collaboration with professionals at Halliburton, we were able to develop an artificial intelligence model to estimate permeability in uncured wells
- Led a group of five students in designing a production plant aimed at producing 50,000 tonnes per annum of propylene glycol

TEACHING AND WORK EXPERIENCE

Chevron Nigeria Limited

Graduate Intern, Gas Commercial and Downstream Management Aug 2018 – Dec 2018

- Routine reporting of gas facilities operations to internal stakeholders, JV partners, Counter parties etc.
- Ensures that CNL gas sales activities are carried out within the ambits of the contracts
- Assist in daily and weekly report preparation and scrutiny

Abubakar Tafawa Balewa University

Teaching Assistant, Department of Chemical Engineering

Aug 2017 – Jun 2018

- Taught courses relating to Chemical Engineering design.
- Maintained administrative support to the Head of Department and Assigned supervisor.
- Organized office transition from paper invoice to online invoicing.
- Mentored a core of 50+ students for 4 college semesters.

- Assisted in the development of new course material
- Participated in SPE ATBU activities and served as judges during the in-house student paper contest

Apex Computing

Software tutor

Jan 2015 – Jun 2016

- Tutored students in Microsoft Office tools in data Analysis and presentation
- Tutored students on application of MATLAB and Hysys in Chemical Engineering design and optimization

Opex Oil and Gas Resources Lagos.

Technical Assistant

Nov. 2014 – Feb 2015

- Effective manning of a 24/7 gas station
- Recording of gas system parameter readings and customers gas consumption volumes
- Engineering and supervisory control of multi-million dollars compressors
- Managed the gas station effectively during the supervisor absence

Silox Industry

Technical Assistant

May 2014 – Jun 2014

- Production of different types of Paints
- Maintenance of various machines used in paint production
- Supervisory of Paint production activities

PUBLICATIONS

Accepted

- Teslim O. O. Application of Artificial Neural Network to Estimate Permeability from Nuclear Magnetic Resonance Log being a SPE paper 189294 presented at 2017 Society of Petroleum Engineers Annual Technical Conference and Exhibition <https://doi.org/10.2118/189294-STU>

In preparation

- T. Olayiwola and M. Mahmoud (2019). A metaheuristic approach for Temperature-dependent water and oil relative permeability modeling in Sandstone and Carbonate Reservoirs

- Teslim O., Ammar E. H and M. Mahmoud (2019). Artificial intelligence approach to predict compressional wave velocity in reservoir rocks

PROFESSIONAL MEMBERSHIP

Member of the Nigerian Society of Engineers	2015-present
Member of the Nigerian Society of Petroleum Engineers	2015-present
Member of the Nigerian Society of Chemical Engineers	2011-present

AWARDS

Top 10 Petroleum Department's Best graduating student (MSc.)	2017
SPE Nigerian Regional Paper Contest Winner (MSc.)	2017
SPE African Regional Paper Contest Winner (MSc.)	2017
AUST Master of Science Scholarship Award	2016 - 2017
Department's Best Graduating Student Award	2014/2015
Lautech scholarship award	2013
MTN Foundation scholarship award	2013 - 2016

INTERESTS

- Research: Material Synthesis and Characterization, Molecular dynamics, Process Design, Process Simulation, Reservoir Characterization, Reservoir Modeling, Enhanced Oil recovery, Programming
- Language: English and Yoruba
- Computing: Data Analytics, MATLAB, Python, Gromacs, VMD, Material Studio, Linux
- Hobbies: Reading, Music, Football, Scientific Discoveries

REFEREES

- Professor David Ogbe,
Department of Petroleum Engineering,
African University of Science and Technology (AUST), Abuja.
Email: dogbe@aust.edu.ng
- Dr Akeem Arinkoola
Department of Chemical Engineering,

Ladoke Akintola University of Technology

Email: aoarinkoola@lautech.edu.ng