

TITILOPE ADEBOLA

Mobile: (343)-333-6527

Kingston, Ontario

Email: titilope.adebola@gmail.com

Summary

- Over 1 year of demonstrated experience, leading research and development projects, in addition to nearly 4 years research experience within the energy and infrastructure sectors.
- Demonstrated experience with mitigating risks, implementing quality control practices and ensuring standards and compliance are met to improve production process.
- Problem solver, with excellent analytical skills and extensive experience performing quantitative and qualitative analysis, while achieving a high level of accuracy.
- Sound knowledge of Occupational Health & Safety Standards in Canada (OH&S) and Workplace Hazardous Materials Information System (WHMIS) procedures and regulations.
- Active member of Project Management Institute (PMI) working towards CAPM certification.

Work Experience

Research Assistant | Queen's University, Kingston, Ontario

2015 – Present

Design, coordinate and execute multiple research projects, evaluating the service performance of various rehabilitation technologies used in the wastewater sector in collaboration with industry manufacturers and researchers.

- Work alongside industry partners such as Golder Associates, Sanexen Environmental Services, and Utilities Kingston, to design and execute research projects tailored to their needs, as part of a \$600,000 NSERC Strategic Partnership Grant.
- Develop experimental testing procedures and performed laboratory equipment calibration in accordance with standardized testing and evaluation procedures (i.e. ISO and ASTM).
- Perform quantitative and qualitative analysis of obtained results under minimal supervision using tools such as; MATLAB SigmaPlot and Microsoft Excel.
- Solved complex experimental design problems which led to over 40% savings in experiment costs and efficient project scheduling.
- Liaised with industry stakeholders, contractors and laboratory technicians from conception to implementation of research projects, implementing necessary changes to project requirements.
- Provided technical design recommendations to industry partners based on research findings, for implementation in both new and existing products to improve product performance.
- Prepared technical reports and articles for submission to peer-reviewed journals.

Research and Development Associate | Pan African Materials Institute (PAMI), Nigeria

2013 - 2014

Designed and executed research projects to investigate the deterioration of oil and gas pipes manufactured by industry clients.

- Prepared technical reports for industry clients with recommendations on effective anti-corrosion and pipe coating products, following detailed quantitative analysis of obtained results.
- Established long-term partnerships between the host Institute and industry partners, for future research collaboration on pipes used in the oil and gas industry.
- Utilized various data analysis tools to conduct such as; Excel, SigmaPlot and MATLAB to identify relevant trends and interpret research findings.

Project Coordinator | Pan African Materials Institute (PAMI), Nigeria

2012 - 2013

Responsible for planning, executing and implementing a renovation project for the Materials Science and Engineering laboratory.

- Worked with a team to raise \$500,000 for a renovation project supported by the African Development Bank (ADB) for the purchase of equipment at the Materials Science laboratory.
- Responsible for shortlisting and selecting contractors for the execution of various projects.
- Oversaw the bidding process and the procurement of laboratory equipment to advance the research capability of the institute.
- Liaised with stakeholders, contractors and management from conception to execution of project, implementing necessary changes to the project requirement throughout project progression.
- Worked as part of the team responsible for the training of staff, on the operation and maintenance of various laboratory equipment.

Quality Control Intern | Nigerian National Petroleum Corporation Refinery

January – March 2012

Worked as part of a team responsible for the start-up of a petrochemical processing plant following a 10-year shutdown.

- Industrial trainee assigned to the petrochemical plant overseeing the production of Linear Alkyl Benzene (LAB) at the crude oil refinery.
- Performed Quality Assurance testing (i.e. UV Spectroscopy, FTIR, pH, Flash Point and Viscometer), on petroleum products to ensure compliance with operational regulations.
- Applied knowledge obtained from Occupational Health & Safety training, and Learning from Incidents (LFIs) workshops to effectively perform all operational activities.

Education

Doctoral degree - Civil Engineering, Queen's University

September 2015 – May 2019

Master's degree-Materials Science & Engineering, African University of Science & Technology

July 2013 – December 2014

Bachelor of Science (Hons) in Petroleum Chemistry, American University of Nigeria

January 2009 - December 2011

Membership

- Women in Science and Engineering Queen's University Chapter (QWISE).
- Project Management Institute (PMI).
- North American Society for Trenchless Technology (NASTT).
- Society for Petroleum Engineers (SPE).
- American Society for Civil Engineers (ASCE).

Interests

- Travelling, playing badminton and exploring different cuisines.
- Promoting STEM education to elementary and high school students through outreach programs.