

OLADELE OLUWAMUYIWA OLATUNDE, MSc, MSc, BSc

CAREER OBJECTIVES

To become a researcher in the field of Risk and Safety Engineering and to contribute to the development of the research in Risk and Safety across the Engineering and Science fields.

EDUCATION

PhD thesis in view (on going) Jan 2020 -2023

PhD research - Quantitative Risk Analysis of Hydrogen Fuel Cell Electric Vehicles in Road Tunnels

Department of Chemical Engineering

Sapienza University of Rome, Italy

MSc Petroleum Engineering 2012

Clausthal University of Technology, Germany

MSc Chemical Engineering 2009

Abo Akademi University, Finland

BSc Chemistry 2000

Obafemi Awolowo University, Nigeria.

PROFESSIONAL KNOWLEDGE AND SKILLS

Proficient in the use of petroleum engineering softwares

Experience and working knowledge in practical laboratories (petroleum engineering, chemical engineering and chemistry) with the use of various equipment

Proficient in Microsoft Office Software package.

PERSONAL SKILLS

Good writing and communication skills

Positive attitude towards personal growth and development

Good analytical and problem solving skills

Ability to work independently and also in a team

COURSES

Petroleum engineering- petrophysics, well logging, well test, thermodynamics and phase behaviour of hydrocarbons, reservoir simulation, enhanced oil recovery, enhanced gas recovery, oil and gas contracts, energy law, planning and budgeting, management in the petroleum industry, reservoir/project management, drilling, production, stimulation

Chemical engineering- engineering thermodynamics and modeling, fluid mechanics. Introduction to computational fluid dynamics, transport phenomena, principles of chemical reaction engineering, chemical process and product technology, heterogenous catalysis, chemical kinetics, bioreaction engineering, polymer additives, project management

Chemistry- organic chemistry, inorganic chemistry, physical chemistry, analytical chemistry, introduction to environmental and petroleum chemistry.

EMPLOYMENT HISTORY

Department of Chemical Engineering

Jan 2020 -- till date

Sapienza University of Rome, Italy.

PhD research - Quantitative Risk Analysis of Hydrogen Fuel Cell Electric Vehicles in Road Tunnels

ENGINEERING SOFTWARE SOLUTION TRAINERS

APRIL 2013– DEC 2019

300 WHARF ROAD APAPA LAGOS

SOFTWARE TRAINERS IN

Petroleum Engineering Softwares in ECLIPSE 100/300 software, CMG software package, PETREL software, Well test software (Kappa SAPHIR, Paradigm INTERPRET), MBAL training

PETROLEUM AND PROCESS ENGINEERING COURSE TRAINERS IN

Reservoir simulation, Production, Drilling, Well Test, Enhanced Oil Recovery, Enhanced Gas Recovery

Research Engineer

Oct 2010 – Sep 2011

Department of Reservoir Engineering, Institute of Petroleum Engineering, Clausthal University of Technology, Germany.

- Research in CO₂ chemical rock fluid interaction and the sequestration of CO₂ in converted gas reservoirs- simulation with ECLIPSE 300 compositional and CMG –GEM simulators
- Redevelopment of Suderbruch oil field – production forecasting using numerical simulators ECLIPSE 100
- Well logging of Suderbruch oil field
- Laboratory research projects on petrophysical properties of rock samples (sandstone, shales) porosity, permeability, pore size distribution with the use of porosimeter, NMR, computer topography, Archimedes and gravimetric principles

Research Engineer

May 2008- Jan 2009

Department of Chemical Engineering (laboratory of industrial chemistry and reaction engineering) Abo Akademi University, Finland

Research projects carried out-

- Catalytic hydrogenation of carbohydrates (modeling and kinetics), catalyst (ruthenium on carbon), equipment (batch reactor (120ml), batch reactor (370 ml)), HPLC (high performance liquid chromatography), pH meter.
- Aqueous phase reforming of sorbitol to hydrogen, catalyst (palladium on birch active carbon), equipment (continuous reactor and high performance liquid chromatography).
- The effect of ionic liquid in supported ionic liquid catalysis (SILCA) in the hydrogenation of citral. Catalyst (Ionic liquid (1-butyl-3-methyl-imidazonium tetrafluorocarbonate (IBMIM)(BF₄) and palladium acetyl acetone(Pd(acac)₂) on active carbon cloth), equipment (batch reactor and analysis with gas chromatography).

- The effect of different metal loadings of palladium sibunit on the hydrogenation of linoleic to stearic acid, catalyst (5% palladium sibunit), equipment (batch reactor and analysis with gas chromatography)
- Nitrogen oxide emission from marine diesel engines (emission limits and reduction possibilities) carried out in the Laboratory of Inorganic Chemistry.
- Synthesis of MCM 41 (mesoporous materials), characterization techniques-SAXS-(small angle x-ray scattering), TGA (thermo gravimetric analysis), FTTR-(Fourier transform infrared spectroscopy), Nitrogen physisorption.
- Invitro Characterization of Bioactive Glasses –analysis with SEM/EDXA (scanning electron microscope with energy dispersive x-ray analysis), pH analysis.

Operation officer

Jan 2003 - Dec 2006

Sam Charis Petroleum and Energy Limited, (4 Agbaoku street , beside Tastee Fried Chicken ,offopebiallen avenue ikeja), Lagos.

- propose, develop and submit annual budget for the operational area to supervise, this entails all anticipated expenses both running and capital cost
- to ensure proper inventory stock for our customers at their various locations
- ensure that stock levels are distributed based on the safety policies

Medical scientist

Jan - Dec 2002

Central bank of Nigeria Lagos (medical laboratory) (NYSC)

- Hematology and chemistry analysis of samples

HOBBIES- Reading, writing and sports.

References- Available on request