

**FEDERAL UNIVERSITY OF AGRICULTURE, ABEOKUTA
POSTGRADUATE SCHOOL**

HIGHER DEGREE GRADUANDS – 2023/2024 ACADEMIC SESSION

A. DOCTOR OF PHILOSOPHY (Ph.D.)

COLLEGE OF ENGINEERING (COLENG)

Department of Mechanical Engineering

Ph.D. Eng. (Materials Engineering)

QUADRI Adeboye Thoeeb

Thesis: Corrosion Resistance of some Mettaic Materials in Selected Media from a Detergent process Plant

Supervisor: Prof. O.R. Adetunji

AKINPELU Olumide Olufunso

Thesis: Development of AI-Zn Galvanic Anodes for the Cathodic Protection of Steels in Badagry, Seawater, Nigeria.

Supervisor: Prof. O.R. Adetunji

Ph.D. Eng. (Thermofluids)

ADENIJI Taiwo Adefemi

Thesis: Exergoenvironmental Analysis of a South Western Nigerian Aluminium Coil Production Company

Supervisor: Prof. M.A. Waheed

OLAMIDE Olalekan Olaoluwa

Thesis: Numerical Modelling of The Hydrodynamics, Heat Transport and Evaporation of Alumina Nanoparticles-Biodiesel Surrogate Droplet

Supervisor: Prof. M.A. Waheed

Department of Agricultural Engineering

Ph.D. Eng. (Processing and Storage Engineering)

ADESINA Babatunde Sunday

Thesis: Moisture Sorption Behaviour and Physicochemical Properties of Two Rice Varieties at Three Degrees of Milling

Supervisor: Prof. T. M. A. Olayanju

Department of Electrical and Electronics Engineering

Ph.D. Eng. (Electrical Power Systems and Machines)

JOKOJEJE Rufus Akinnusimi

Thesis: Assessment of Small Signal Stability on Power System Using Eigenvalues Approach

Supervisor: Prof. I.A. Adejumobi

EMEZIRINWUNE Michael Uzoamaka

Thesis: Optimal Sizing and Planning of Hybrid Renewable Energy System for Rural Farm Facilities

Supervisor: Prof. I.A. Adejumobi

Ph.D. Eng. (Communication and Digital Signal Processing)

ILORI Abolaji Okikiade

Thesis: Analysis of Pathloss for Digital Terrestrial Television Communication Link within UHF Band.

Supervisor: Dr . K. A. Amusa

Department of Civil Engineering

Ph.D. Eng. (Water Resources and Environmental Engineering)

FAMILUSTI Ayokunle Oluwaseun

Thesis: Evaluation of The Efficiency of Selected Coagulants and Adsorbents in Removing in Removing Wastewater Pollutants

Supervisor: Prof. A. A. Adekunle

B. MASTERS

COLLEGE OF ENGINEERING (COLENG)

Department of Mechanical Engineering

M. Eng. Mechanical Engineering

ANIBABA Adebola Daniel

Dissertation: Investigation of the Potentials of Sisal-Palm Slag Composites as Materials for Asbestos-free brake Pad

M. Eng. Industrial

AJETUNMOBI David Tunmise

Dissertation: Development Of A Solar-Powered Rotary Lawn Mower

M. Eng. Environmental Resources Engineering

MUSTAPHA Abdulquadri Tola

Dissertation: Modeling of Air Quality and Pollution Production Around N Active Dumpsite in Abeokuta, Nigeria.

OGUNOBO Omonomofe Scholastica

Dissertation: Treatment of Fish Effluent Using Vermifiltration and Constructed Wetland

Department of Electrical and Electronics Engineering

M. Eng. Electrical Power Systems and Machines

OLAOGUN Peter Olayemi

Dissertation: Power System Transient Stability Improvement Using Static Synchronous Compensator.

GIZO Peter Paul

Dissertation: Analysis Of Total harmonic Distortion In Renewable Solar Photo Voltaic Energy Source Using Active Filter- Based Least Mean Square Algorithm

OGUNBOWALE Peter Enitan

Dissertation: Power Loss Minimization in Transmission System Using Particle Swarm Optimization Based Unified Power Flow Controller

AKINULI Abimbola Anthony

Dissertation: Combined use of Static Synchronous Compensator and Static Synchronous series Compensator for Power System voltage Stability Improvement

AJAYI Ayokunnumi Olusola

Dissertation: Optimal Design Of Fuzzy – Pid Controller For Fruits Storage System's Temperature

ONIYITAN Babatunde Adedayo

Dissertation: Assessment of the Effect of Hybrid Configured Static Synchronous series Compensator and Static Var Compensator on Power Flow in an Electricity Grid

ITA Maurice Antigha

Dissertation: Short-Term Electrical Energy Demand Forecasting Using Artificial Neural Network and fuzzy Logic Techniques

SALAMI Adio Waheed

Dissertation: Development of a 110 V Auxiliary DC Supply unit for Power System Protection

AKINLEYE Temitope Grace

Dissertation: Design of a Cost Effective Grid-Based Rural Electrification Plan for Eyinwa Village, Odogbolu Local Government, Ogun State

M. Eng. Electrical / Electronic Engineering

OGUNDELE Oluyemi John

Dissertation: Power Quality Improvement in an Electrical Distribution Network Using Some Selected Shunt Harmonic Filters

IBRAHIM Saheed Adisa

Dissertation: Mitigation of Harmonic Distortion in an Industrial Electrical Network using Shunt Active Power Filter

AMOO Adewale Yusuf

Dissertation: Power System Security Assessment and Enhancement Using Static Var Compensator (SVC)

M. Eng.

SOBAYO Abiodun Sulaimon

Dissertation: Power System Security Assessment Using A Contingency Approach.

Department of Agricultural Engineering

M. Eng. Soil and Water Resources Engineering

ADIGUN Adewale Simeon

Dissertation: Determination of Time of Concentration on Bare and Vegetative Surfaces for the Design of Erosion Control Structures Using Constructed Rainfall Simulator

AKINYEMI Oluwayomi Ife

Dissertation: Determination of Runoff Coefficient on Bare and Vegetative Surfaces Using Constructed Rainfall Simulator

ALEEM Mugis Babatunde

Dissertation: Desorption Isotherm And Thinlayer Drying Of Congo Grass (*Brachiaria ruzizien eis*) Open Sun, Solar And Infrared Drying Methods.

M. Eng. (Biosystems And Food Process Engineering)

ABRAHAM Adedayo Paseda

Dissertation: Modeling Desorption Isotherm And Thin Layer Drying Behaviour Of Red Bell Pepper (*Capsicum annum L.*)

M. Eng. Communications and Digital Signal Processing

OJETUNDE Adeola Kayode

Dissertation: Image Compression Scheme using Combined Walsh-Hadamard and Bi-Orthogonal Wavelet Transforms

ADELOKUN Adebowale Paul

Dissertation: Development of Electronic-Based Water Management System for Fish Pond

ADEBAYO Lateef Olajide

Dissertation: Gender Classification Based on Facial Information using Efficient Net