

PHD STUDENTS WHO GRADUATED IN 2017

COLLEGE OF AGRICULTURE AND VETERINARY SCIENCES

1. LEWA SAMUEL KITI: PhD in Environmental Governance and Management

“Alternative dispute resolution methods and the management of human-wildlife conflict: the case of Arabuko-Sokoke Forest, Kenya.”

2. MBAU SOLOMON KAMAU: PhD in Soil Science

“Evaluating effects of pyrogenic organic matter and biochar amendments on soil aggregation, soil fauna dynamics and functions in tropical agroecosystems.”

3. MUKARIA SAMSON MURANGIRI: PhD in Environmental Governance and Management

“Analysis of Traffic Police Awareness, Attitude and Practices on Motor Vehicle Air Pollution in Nairobi Central Business District and Environs.”

4. NGATIA JOHN MATHENGE: PhD in Environmental Governance and Management

“Participatory Forest Management; A Case study of Equity Analysis in Plantation Establishment and Livelihood Improvement Scheme in Gathiuru and Hombe Forests of Central Kenya.”

5. MUTEMBEI MARY MPINDA: PhD in Land and Water Management

“Adapting to Rainfall Variability through Tillage and Upland Rice-Chickpea Relay Intercropping in Mwea, Kenya”

6. CHIMOITA EVANS LIGARE: PhD in Agricultural Information and Communication Management

“Factors Influencing Uptake of Improved Sorghum (*Sorghum Bicolor*) Technologies in Embu County, Kenya.”

7. ODANGA JAMES JECONIA: PhD in Crop Protection

“Climate Change Induced-Effect on Biology and Ecology of Avocado Insect Pests along Altitudinal Gradient of Taita Hills and Mount Kilimanjaro”.

8. NJUGUNA JOSEPH KORI: PhD in Horticulture

“Evaluation of Mango (*Mangifera indica L.*) Mineral Nutrition on Jelly Seed Disorder, Fruit Yield and Quality.”

9. KIPRONOH ALEXANDER KIPRUTO: PhD in Veterinary Epidemiology and Economics

“Epidemiology and control of Contagious Caprine Pleuropneumonia in pastoral production systems in Rift Valley Region, Kenya.”

10. KONANA CHARITY NASIEKU: PhD in Dryland Resource Management

“Drivers and Effects of Gully Erosion on Communities in Suswa Catchment, Narok County: A Geospatial Approach.”

11. GICHURE JOSPHAT NJENGA: PhD in Food Science and Technology

“Integrating traditional techniques into conventional preservation methods to upgrade pastoral deep-fried beef products in Kenya.”

12. SULEIMAN MUHAMMAD SABIU: PhD in Dryland Resource Management

“Assessment of economic value, utilization and conservation of selected non-timber forest products in the Falgore Game Reserve in Kano, Nigeria.”

13. NKIRIGACHA EVAYLINE MUTHONI: PhD in Human Nutrition

“Improving nutrition of lactating mothers in a peri-urban using traditional vegetables: A case of mwanamukia Nairobi.”

14. ANGURIA PAUL: PhD in Dryland Resource Management

“Nutrient management options for enhancing sesame (*sesamum indicum*. L) seed yield and nutritional quality in North Eastern Uganda.”

15. KIPYEGON AMBROSE NG'ENO: PhD in Clinical Studies (Theriogenology)

“Effects of polluted Nairobi river water on male reproduction”

16. OCHWANG'I DOMINIC OMOSA: PhD in Comparative Animal Physiology

“Pharmo-physiological anti-cancer potential of medicinal plants used in Kakamega County, Kenya.”

17. WAMALWA KINYANJUI: PhD in Veterinary Epidemiology and Economics

“Assessing the impact of infrastructure development and training on meat and hides and skins sector in Somaliland.”

18. NDIRANGU SAMUEL NJIRI: PhD in Agricultural Economics

“An evaluation of impact of land fragmentation and agro-ecological zones on food security and farm efficiency: A case of Embu County, Kenya.”

COLLEGE ARCHITECTURE AND ENGINEERING

1. EBRAHIM YUSUF HAZARA: PhD in Architecture

“The Effect of Urban Built Form on Micro-Temperature Change: A Case Study of Komarock in-fill “B” Estate, Nairobi.”

2. OCHIENG MESHACK OTWARO: PhD in Civil Engineering (Transportation)

Macro-sopic modeling of the impacts of freight traffic on the performance of the Northern Corridor Road Transport Network.”

3. MWUNGU COLLINS MWANGE: PhD Geospatial Engineering

“Spatial Data Infrastructure in Africa: A Technical and Institutional Analysis”

4. MURUNGA SYLVIA REECE INJETE: PhD in Environmental and Biosystems Engineering

“Optimization of biogas production from Brewery Wastewater.”

5. MOSES PETER MUSAU: PhD in Electrical and Electronic Engineering

“Multi objective dynamic economic dispatch with renewable energy cost functions.”

COLLEGE OF BIOLOGICAL AND PHYSICAL SCIENCES

1. SITATI ISAAH NALIANYA: PhD in Pure Mathematics

“On A-Self Adjoint, A-skew Adjoint Operators and their Extensions on Hilbert Spaces.”

2. OGUTU CAROLYNE ADHIAMBO: PhD in Financial Mathematics

“Construction of Multinomial Lattices for Option Pricing”

3. NGUU JOHN NJAGI: PhD in Physics

“Fabrication and Characterization of $\text{TiO}_2/\text{Nb}_2\text{O}_5$ Composite Photo-Electrodes Deposited using Electrophoretic Technique for Application in Dye-Sensitized Solar Cells.”

4. OYAGI MOSES ONDABU: PhD in Chemistry

“Development of polyacrylic acid based electrochemical sensor for detection of selected heavy metals in waters.”

5. MUTHUI ZIPPORAH WANJIKU: PhD in Physics

“Structural electronic and magnetic properties of X_2YZ Heusler compounds Mn_2VZ ($Z=Al,In$), Co_2YIn ($Y=V,Nb,Ti$) and XYZ Half Heusler compounds $CoYIn$ ($Y=V, Nb,Ti$) for spintronic application.”

6. KINGORI ISABELL WAIRIMU: PhD in Applied Parasitology

“The efficacy of treatment and its effect on IgE antibody profile in primary School children with mixed *schistosoma mansoni*, *schistosoma haematobium* and Soil transmitted helminthes infections in Taveta Sub County.”

7. ADUDA JANE AKINYI: PhD in Financial Mathematics

“Application of Multivariate Volatility Models in Estimating Optimal Dynamic Hedge Ratios for Crack Spreads with Volatility Spillovers in Energy Markets.”

8. AYIEKO CHARLES OPIYO: PhD in Physics

“Characterization of $CuFeMnO_4$ paint on textured aluminum substrates for solar thermal application”.

9. MUSILA MUTIE: PhD in Plant Taxonomy and Economic Botany

“Molecular phylogeny, leaf micromorphology and antimicrobial activity of phytoconstituents of Kenyan *Plectranthus* species in the coleus clade.”

10. BOBADOYE BRIDGET OBHAGIAGIE AITO: PhD in Entomology

“Ecological, Behavioural and Biochemical traits of African Meliponine Bee Species (Apidae: Meliponini) in Taita Hill, Kenya.”

11. KIRATU BETH NYAMBURA: PhD in Pure Mathematics

“On Weyl’s Spectrum for some classes of operators in Hilbert Spaces.”

12. DOMTAU DINFA LUKA: PhD in Physics

“Highly porous TiO_2 thin films for applications in dye sensitized solar cells.”

13. MUCHAI IAN KANIU: PhD in Physics

“*In-Situ* Gamma-Ray Spectrometry and Associated Radiometric Assessment of the Mrima-Kiruku Complex (Kenya) High Background Radiation Anomaly”

14. GICHAMBA AMOS NJIHIA: PhD in Information Systems

“A model for the design, development and implementation of Agriculture applications.”

15. MUKISA TITUS MUHAMBE: PhD in Information Systems

“A model for assessing the sustainability of health Systems: A case of Kenya health sector.”

16. SARGUTA RACHEL JELAGAT: PhD in Mathematical Statistics

“Four routes to mixed poisson distributions.”

17. PETER OYOO MAINA: PhD in Pure Mathematics

“On weyl spectrum and quasi-similarity of operators in Hilbert Spaces.

18. MUTISYA LOIS MWIKALI: PhD in Chemistry

“Phytochemical analysis of five *tephrosia* species found in Kenya for antimalarial and antioxidant activities.”

19. KIMANI JOSEPHINE WAMBAIRE: PhD. in Biotechnology

“Development of dromedary antibody-based immunoassay for detection of chikungunya virus infections.”

20. NDLELA SHEPARD: PhD in Entomology

“Development and implementation of pre- and post-harvest management measures for *Bactrocera dorsalis* (Hendel) and *Ceratitidis cosyra* (Walker) (Diptera:Tephritidae) on mango in Kenya.”

21. CHAM DAVID TEMBONG: PhD in Entomology

“Diversity of honey bee *Apis mellifera* subspecies (Hymenoptera: Apidae) and their associated arthropod pests in Cameroon.”

22. OBIERO BEN OWINO: PhD in Pure Mathematics

“On the minimal resolution conjecture for the ideal of General points in the projective space, P⁴”

23. RUGIRI PETER GITHARA: PhD in Pure Mathematics

“On some aspects of spectral theory of operators in Hilbert Spaces.”

24. NDUNG’U REUBEN MUIRURI: PhD in Applied Mathematics

“Mathematical modeling of the effects of periodic environmental factors on endemic malaria.”

COLLEGE OF EDUCATION

1. WAMICHWE JOEL MWANGI: PhD in Education (Economics of Education)

“Socio-economics factors affecting enrolment of male students in public Secondary Schools in Kirinyaga County, Kenya”

2. MUCHIRI HANNAH WAKONYO KARURU: PhD in Education (Economics of Education)

“Strategies of addressing the rising demand for Secondary school education in Nairobi City County, Kenya.”

3. ODHIAMBO FREDRICK OLOO: PhD in Education (Education Administration)

“Influence of use of education management Information system (EMIS) on Management of Secondary Schools in Nairobi City County, Kenya.”

4. HUSSEIN ALI KORİYOW: Doctor of Education (Educational Planning)

“The impact of subsidized fees programme on students access to quality education in public secondary schools in Wajir County, Kenya.”

5. WAMBUA PATRICK MULE: Doctor of Education (Educational Administration)

“Influence of principals’ participatory management practices on student discipline in secondary schools in Machakos County, Kenya.”

6. KINYUA GLADYS WANJIRU: PhD in Educational Technology

“Effect of computer based instruction on learners’ performance in Art and design in public secondary schools in Kenya.”

7. AZI AUGUSTINE SAMBO: PhD in Economics of Education

“Influence of Federal Government budgetary allocation on developmental priorities of federal public universities in North-Central Zone of Nigeria.”

8. MWANGI BEENA LORNA: PhD in Education (Curriculum Studies)

“Effect of Dramatization on Learner Achievement in Learning English Language in Public Secondary Schools in Meru County, Kenya.”

9. OYIER CHARLES RICHARD: PhD in Education (Educational Communication and Technology)

“Effect of budgeting process on utilization of science instructional resources in Secondary Schools in Nairobi County, Kenya.”

OPEN, DISTANCE AND ELEARNING CAMPUS

1. MUNIU FREDRICK NGOTHO: PhD in Project Planning and Management

“Monitoring and Evaluation practices, community participation and sustainability of community water projects in Kenya: A Case of Nyeri County.”

2. GATOTOH AUGUSTINE MWANGI: PhD in Distance Learning

“Learner characteristics, behavior, technology and adoption of mobile learning among community health trainees- AMREF Health Africa, Kenya.”

3. MUREI LILY CHEBET: PhD in Project Planning and Management

“Monitoring and evaluation practices, type of project leadership and performance of horticulture projects supported by Kenya National Farmers Federation, Nakuru County, Kenya.”

4. AOL MOSES JABUYA: PhD in Project Planning and Management

“Influence of monitoring and evaluation procedures on utilization of education subsidy in public secondary schools in Kisumu County, Kenya.”

5. NDAGI JAMES MUGO: PhD in Project Planning and Management

“Monitoring and evaluation practices, ethics and sustainability of agricultural food crop projects in Kenya: The Case of Nyeri County, Kenya.”

6. OMBATI SUSAN MORAA: PhD in Project Planning and Management

“Community participation in flood mitigation strategies, networking and collaboration, cultural factors and household livelihood in Nyando Flood Plains, Kisumu County, Kenya.”

7. OBARE JOSIAH OBIRIA: PhD in Project Planning and Management

“Project team diversity, implementation process of project control systems and performance of rural roads construction projects in Kenya”

8. GOR PETER OCHIENG: PhD in Distance Education

“Demographic and institutional factors influencing utilization of online library services by Distance learning student: The Case of University of Nairobi, Kenya.”

9. KADURENGE BENARD MURONGA: PhD in Project Planning and Management

“Stakeholder-participation models and implementation of selected rural market stalls projects in Vihiga County, Kenya.”

10. MBURUNG’A SOLOMON MURIUNGI: PhD in Project Planning and Management

“Influence of capital structure, management and sustainability of community water projects in Kieni Constituency, Nyeri County, Kenya.”

11. GITAU GERALD GATITU: PhD in Project Planning and Management

“Influence of adoption of sales force automation system on sales performance: The case of consumer goods firms in Nairobi County”

12. METHU ALEX MIRARA: PhD in Project Planning and Management

“Influence of post-privatization management practices and monitoring and evaluation strategies on quality of artificial insemination services in cattle in Nyeri County, Kenya.”

13. OBONDI CHRISTINE ACHIENG OKOTH: PhD in Project Planning and Management

“Risk factors, participatory design of correctional rehabilitation programs and recidivism of sexual offenders in prisons in Nairobi County, Kenya.”

14. SEBORU MSAFIRI ATIBU: PhD in Project Planning and Management

“Resource management, project scheduling, project manager’s characteristics, and performance of road construction projects in Kenya: a Case of Nairobi County.”

15. OGOMBE JESSICA AKINYI: PhD in Project Planning and Management

“Influence of road infrastructure interventions on implementation of pedestrian safety rules in the city of Kisumu, Kenya.”

16. MUSYOKA MICHAEL CHRIS: PhD in Project Planning and Management

“Macro planning process, project environment and performance of housing construction industry: A case of gated community projects in Nairobi County, Kenya.”

COLLEGE OF HEALTH SCIENCES

1. OJUKA KINYURU DANIEL: PhD in General Surgery

“Exploring Concepts of professionalism in surgical training in the University of Nairobi.”

2. KARIMI PETER NDIRANGU: PhD in Clinical Pharmacy

“Risk factors for pulmonary tuberculosis and the effect of chemotherapy on the quality of life of patients in Nairobi City County, Kenya.”

3. GITHEMO GRACE KIRIGO: PhD in Nursing

Quality of Nursing Care through Patient participation: An Intergration of Orem’s theory to the Nursing process in Kiambu and Thika Hospitals- Kenya.”

4. GITOBU COSMAS MUGAMBI: PhD in in Tropical and Infectious Diseases (Implementation Science)

“The impact of free maternal healthcare policy on service utilization, maternal and neonatal mortality in Kenyan public facilities.”

5. NDAKALA FRANK NDAKS SAWANGA: PhD in Tropical and Infectious Diseases

“Adverse drug reactions and underlying metabolomic profiles in HIV patients on long-term antiretroviral therapy.”

6. AWAD OMER AHMED: PhD in Human Anatomy

“Effects of iron deficiency anaemia on the structure of the placenta in rat.”

7. KORIR RICHARD KIPSEREM CHENUOSE: PhD in Medical Microbiology

“Microbial and heavy metal contamination in selected herbal medicinal products sold in Nairobi, Kenya.”

8. MANGENI JUDITH NEKESA: PhD in Public Health

“Incidence of Malaria and vector characteristics in a high transmission region in rural Western Kenya: implications for development of targeted malaria elimination strategies.”

9. OMONDI LILIAN ADHIAMBO: PhD in Nursing

“The influence of structured preoperative nursing assessment on patients’ surgical outcomes and anxiety levels among caesarian section patients in selected hospitals in Nairobi, Kenya.”

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

1. NJUGUNA HUMPHREY KIMANI: PhD in Law

“Political patronage on the operationalization of public procurement law in Kenya.”

2. KITHINJI ANGELA MUTHAMIA: PhD in Business Administration

“Bank Restructuring, Financial Services, Firm Characteristics and Financial Performance of Commercial Banks in Kenya.”

3. KIBISU MIDIKIRA CHURCHILL: PhD in Business Administration

“Enterprise risk management strategies, innovation, business ethics and performance of Christian-based hospitality businesses in Kenya.”

4. TWALIB MEDINA HALAKO: PhD in Business Administration

“Influence of Leader Member Exchange on Career Mobility in Kenya Breweries.”

5. ABDUBA IBRAHIM HALKANO: PhD in Business Administration

“The Pro-Poor Factors, Demographic Factors, Adoption and Usage of Mobile Financial Services in Kenya.”

6. MWAI LYDIA KERUBO: PhD in Business Administration

“Customer Relationship Management Practices, Firm Characteristics, Market Orientation, and Performance of Large-Scale Manufacturing Firms in Kenya.”

7. ADEDE OLGHA AUMA: PhD in Business Administration

“Electronic Marketing Practices, Corporate Culture, Competitive Environment and Performance of Telecommunication Companies in Kenya.”

8. NJAGI JOHN NJERU: PhD in Business Administration

“Capital Structure, macroeconomic environment, firm’s efficiency and value of companies listed at the Nairobi Securities Exchange.”

9. MUTHAMI JOSEPHINE MUTHONI: PhD in African Women Studies (Counselling Psychology)

“Cognitive Behavioral Therapy on Women Exposed to Domestic Violence: An Intervention Study within Kibra Constituency, Nairobi County, Kenya.”

10. AYODELE JOHN ALONGE: PhD in Communication and Information Studies

“The Use of Social Media for HIV and AIDS Communication among Undergraduate Students in the South-West Nigeria.”

11. ATOH FRED OCHIENG : PhD in Linguistics

“A Discourse Analysis of Luo Traditional Dirges: The Discourse Strategies in Dirge Music Performance”

12. ANGIMA CAREN B: PhD in Business Administration

“Actuarial risk management practices, underwriting risk, firm characteristics and performance of property and casualty insurance firms in East Africa.”

13. NZIOKA ONESMUS MUTUNGA: PhD in Business Management

“Financial integration, trade integration, macro-economic volatility and economic growth in the East African Community.”

14. MWANGI ISAAC WACHIRA: PhD in Economics

“Dynamics of Financial inclusion and Welfare in Kenya.”

15. KIPTUI JOHN KEBUT: PhD in Business Administration

“Innovation, Structure, Environment, Competitive Advantage and Performance of Commercial Bank in Kenya.”

16. KIOWI LUCY ODO: PhD in Business Administration

“Human Resource Strategic Orientation, Employee Job Performance and Performance of State Corporation in Tanzania.”

17. MASIGA MARY ATIENO: PhD in Anthropology (Medical Anthropology)

“Determinants of the utilization of oral healthcare among female caregivers of children with HIV/AIDS in Nairobi City County, Kenya.”

18. MUNYAMAHORO SEBAGABO RENE: PhD in Law

“Foreign direct investment and the protection of human rights: A case study of labour rights, environmental rights and the right to development in Rwanda.”

19. OGAGA BRUCE JAMES: PhD in Business Administration

“The influence of organizational structure and industry competition on the relationship between corporate strategy and performance of companies listed on the NSE.”

20. NJENGA FRANCIS NDIRANGU: PhD in Business Administration

“Psychological contract state, employee outcomes, equity sensitivity, leadership style and performance of public water service providers in Kenya.”

21. MUTUA EDNA NDUKU: PhD in Anthropology

“Community Adaptation to Malaria and Rift Valley Fever in Baringo County, Kenya.”

22. WAKAISUKA JULIET: PhD in Business Administration

“Corporate governance, firm characteristics, external environment and performance of financial institutions in Uganda.”

23. OUMA SELLA OGALO: PhD in Business Administration

“The role of employee competencies, quality decisions and competitive strategies in the relationship between organizational learning and performance of insurance firms in Kenya”

24. MACHARIA RACHEAL WAIRIMU: PhD in Business Administration

“Perceived green marketing practices, organizational demographics trade customer perception and satisfaction in soft drink industry in Nairobi Kenya.”

25. OTIENO DONALD AKECH: PhD in Economics

“Macroeconomic determinants of stock market returns in Kenya: 1993-2015.”

26. MWITHIGA LEONARD THUO: PhD in Business Administration (Strategic Information Systems)

“Information technology integration, business operations strategy, firm characteristics and performance of commercial banks and microfinance institutions in Kenya.”

27. KAMAU GABRIEL NDUNG’U Business Administration (Strategic Information Systems)

“Contextual factors, E-Government usage and public value of E-Government services in Kenya.”