

CURRICULUM VITAE

PERSONAL PROFILE

Personal Details

Name: Dr. Dianah Mukwate Ngui Muchai
Department: Econometrics and Statistics
Designation: Senior Lecturer
Email: ngui.diana@ku.ac.ke

Area of Specialization:

- Industrial Economics
- Econometrics Modelling

Research Interests:

- Climate change and energy
- Industrial policies
- Enterprise/firm performance (efficiency and productivity)
- Technology adoption
- Impact Evaluation

Google Scholar:

<https://scholar.google.com/citations?user=jn8Q3P0AAAAJ&hl=en>

ACADEMIC AND PROFESSIONAL QUALIFICATIONS

Academic Qualifications

- 2008: **Ph. D (Economics)**, Martin-Luther-University Halle-Wittenberg, Germany.
- 2001: **Master of Arts (Economics)**, Kenyatta University, Kenya.
- 1998: **Bachelor of Education (Arts): Economics and Mathematics**, Kenyatta University, Kenya.
- 1992: **Kenya Certificate of Secondary Education (KCSE): Machakos Girls High School**, Kenya.

Professional Qualifications

- **Data Management and Statistical Analysis Using R:** A training by Kenyatta University in Partnership with University of Helsinki. 6th – 30th May 2019.
- **Teaching Methodology:** A training by Centre for Teaching Excellence and Evaluation, Kenyatta University. 28th May – 14th Nov 2013.
- **Gender Mainstreaming in Climate Change and Adaptation,** A training by Makerere University, Department of Women and Gender studies, Kampala, Uganda . 26th – 30th January 2009.
- **Integrated Watershed Management -Financial Aspects of Watershed Management,** A training by DAAD in collaboration with Center for International Capacity Development (CICD), Moshi, Tanzania . 14th – 25th September 2009.
- **Applied industrial organization:** A course by Leibniz-Institute of Agricultural development in Central and Eastern Europe (IAMO), Germany. Summer 2007:
- **Efficiency and productivity analysis II – Stochastic approaches:** A Course by Leibniz-Institute of Agricultural development in Central and Eastern Europe (IAMO), Germany. 2nd – 5th May 2006.
- **Efficiency and productivity analysis I - Deterministic approaches:** A Course by Leibniz-Institute of Agricultural development in Central and Eastern Europe (IAMO), Germany. 13th – 17th March 2006.
- Grundstufepfung, InterDaF e.v am Herder-Institut der Universität Leipzig: Grade „Gut“. May – September 2005.

EMPLOYMENT HISTORY

2013- Date: **Senior Lecturer** – Kenyatta University, Department of Econometrics and Statistics, Higher Education; Nairobi, Kenya.

2021- Date: **Research Manager** – African Economic Research Consortium (On leave of absence); Nairobi, Kenya.

2008-2013: **Lecturer** – Kenyatta University, Department of Econometrics and Statistics Higher Education; Nairobi, Kenya.

2009-2012: **Policy Analyst,** Kenya Institute for Public Policy Research and Analysis, Policy Research Institute; Nairobi, Kenya.

2002-2008: **Tutorial Fellow** – Kenyatta University, School of Economics, Higher Education; Nairobi, Kenya.

1999-2001: **Graduate Assistantship** – Kenyatta University, Department of Economics, Higher Education; Nairobi, Kenya.

PUBLICATIONS

Refereed Journals

- 1) Njuguna Ndung'u, Abebe Shimeles and **Dianah Ngui**, (2022) The Old Tale of the Manufacturing Sector in Africa: The Story Should Change. *Journal of African Economies*, Volume 31, Issue Supplement_1, September 2022, Pages i3–i9, <https://doi.org/10.1093/jae/ejac016>
- 2) Kenneth Kigundu Macharia, **Dianah Ngui**, John Kamau Gathiaka, (2022), Effects of Energy Efficiency on Firm Productivity in Kenya's Manufacturing Sector, *Journal of Sustainable Development*, Vol 15, No. 3, <https://doi.org/10.5539/jsd.v15n3p90>
- 3) Kenneth Kigundu Macharia, John Kamau Gathiaka, **Dianah Ngui** (2021), Energy efficiency in the Kenyan manufacturing sector, *Energy Policy*, <https://doi.org/10.1016/j.enpol.2021.112715>
- 4) Benedetta Landi, Njuguna Ndung'u, **Dianah Ngui Muchai**, Winnie Sambu, Claudia Segre and Wilson Wasike (2021), Financial Inclusion: The Importance of Financial Literacy and the Promotion of Better Labour Market Outcomes for Women and Youth, *Policy Brief*, Task Force 6, Social Cohesion and the Future of Welfare Systems, https://www.g20-insights.org/policy_briefs/financial-inclusion-the-importance-of-financial-literacy-and-the-promotion-of-better-labour-market-outcomes-for-women-and-youth/
- 5) Kanang Amos Akims, and **Dianah Mukwate Ngui** (2019), Productivity and Export Performance: Micro-Level Evidence from the Manufacturing Sector in Nigeria, *Frontiers of Economics in China*, Vol. 14, Issue 3. Pp. 428 – 460. <http://journal.hep.com.cn/fec/EN/10.3868/s060-008-019-0019-0>
- 6) Kanang Amos Akims, Perez Ayieko Onono, and **Dianah Mukwate Ngui** (2019), Trade Liberalization and Productivity in the Nigerian Manufacturing Sector, *Journal of Economic and Sustainable Growth* 2;1, Office of The Chief Economist, Development Bank of Nigeria. Vol. 2, Issue 1. Pp. 92 – 137. <https://devbankng.com/cms/uploads/Liberalization%20And%20Productivity%20In%20The%20Nigerian%20Manufacturing%20Sector.pdf>
- 7) Mutuku, M., Korir, J., and **Ngui-Muchai, D.**, (2019) Government Expenditure and School Efficiency and Productivity Change: A Case of Public Primary Schools in Kenya, *Journal of Social Sciences*,15, Pp. 29-39.
- 8) **Muchai, D. N.** & Muchai, J. (2016) 'Fiscal Policies and Capital Flight in Kenya' *African Development Review*. Vol. 28, No. S1. Pp. 8 - 21. Blackwell

- 9) Ndicu, N.S., **Ngui, D.M.** and Gachanja, P.M. (2016): Technical Efficiency Analysis of the Kenyan Agro-processing Industry. *The International Journal of Business and Management*, 4:5 Pp. 100-109.
- 10) Ogada, M. J., **Muchai, D.** and Mwabu, G. (2014): Farm Technology Adoption in Kenya: Simultaneous Estimation of Inorganic Fertilizer and Improved Maize Variety Adoption Decisions. *Agricultural and food Economics*, 2:12. Pp. 1-18 Springer
- 11) Ogada, M. J., **Muchai, D.**, Mwabu, G. and Mathenge, M. (2014): Technical Efficiency of Kenya's Smallholder Food Crop Farmers: Do Environmental Factors Matter? *Environment, Development and Sustainability*, 16:5, pp 1065 -1076. Springer
- 12) Muthoga, S., Obere, A., Mburu, K. and **Muchai, D. M.** (2013): The Effect of Regional Financial Integration on Intra-Regional Trade in the East African Community, *Journal of Emerging Issues in Economics, Finance and Banking (JEIEFB)*, 2: 6, December 2013, pp 888-908.
- 13) Muthoga, S., Obere, A., Mburu, K. and **Muchai, D. M.** (2013): Regional Financial integration and economic growth in the East African community, *International Journal of Economics and Management Sciences*, 2: 9, Pp. 64-76
- 14) **Ngui, D.M.**, Wasike, W.S.K. and Mutua, J.M, (2012): Energy Planning Model: A Survey with Future Directions for Kenya's Energy Planning, *The Journal of Energy and Development*, Vol. 37, no1/2, pp. 87-114. International Research Centre for Energy and Economic Development (ICEED).
- 15) Mutua, J.M, **Ngui, D.M.**, Osiolo, H., Aligula, E. and Gachanja, E. (2012): Consumers Satisfaction in the Energy Sector in Kenya, *Energy Policy*, 48: pp. 702-710. Elsevier
- 16) **Ngui-Muchai, D.M.** and Muniu, J.M. (2012) Firm Efficiency Differences and Distribution in the Kenyan Manufacturing Sector, *African Development Review*, 24: 1, pp. 52-66. Blackwell
- 17) **Ngui, D.M.**, Mutua, J.M, Osiolo, H. and Aligula, E. (2011) Household Energy Demand in Kenya: An Application of Linear Approximate Almost Ideal Demand System (LA-AIDS), *Energy Policy*, 39(2011): pp. 7084 -7094. Elsevier
- 18) **Ngui, D.M.**, Becker, C. and Thomi, W. (2008): Corruption, Insecurity and Technical Efficiency: Evidence from the Kenyan Manufacturing Firms, *International Journal of Afro-Asian Studies*, 1:1, pp. 66 -75.

University Level Scholarly Books

- 19) 2022: Njuguna Ndung'u, **Dianah Ngui** and Abebe Shimeles (**Editors**), *Business Environment, Competitiveness and Economic Growth in Africa*, Volume 31, Issue Supplement_1, September 2022. Oxford University Press.
https://academic.oup.com/jae/issue/31/Supplement_1

Book Chapters

- 20) 2008: **Ngui, D.M.** *On the Efficiency of the Kenyan Manufacturing Sector: An empirical Analysis*, Published by Shaker Verlag, Aachen. ISBN No. 978-3832269432
- 21) 2018: **Ngui, D.** and Kimuyu, P.: Prospects for Information and Communication Technology-Enabled Services in Kenya: The case of the Mobile Money Transfer Industry. Newfarmer, R.S., Page, J., and Tarp, F.(eds). *Industries without Smokestacks: Industrialization in Africa Considered*. Oxford University Press, Pp. 213 – 231
- 22) 2016: **Ngui, D.** Chege, J., and Kimuyu, P.: Kenya's Industrial Development: Policies, Performance, and Prospects. Newman, C., Page, J., Rand, J., Shimeles, A., Söderbom, M. and Tarp, F.(eds) *Manufacturing Transformation: Comparative Studies of Industrial Development in Africa and Emerging Asia*. Oxford University Press, Pp. 72 – 91

Refereed Learning Modules

- 23) **Ngui, Dianah** (2020). EES 804: Macro Econometrics, Kenyatta University, Digital School of Virtual and Open Learning
- 24) **Ngui, Dianah** (2020). EES 400: Fundamentals of Econometrics, Kenyatta University, Digital School of Virtual and Open Learning
- 25) **Ngui, Dianah**, Njaramba Jeniffer (2003). AEC 201: Statistics for Economists II, Kenyatta University, Digital School of Virtual and Open Learning
- 26) **Ngui, Dianah**, Obere Almadi, Mwangi P. Gachanja (2002). AEC 200: Intermediate Micro-economic Theory, Kenyatta University, Digital School of Virtual and Open Learning
- 27) Obere Almadi, **Ngui, Dianah**, Mwangi P. Gachanja (2002). AEC 100: Elements of Micro-economic Theory, Kenyatta University, Digital School of Virtual and Open Learning.

Reviewed Conference Papers

- 28) **Ngui, D.M.**, Muniu, J. M. and Wawire, N.H.W. (2014): Determinants of Informal Sector Performance in the Rural Areas of Kenya: Evidence from Makueni County, *in International Conference on Dynamics of Rural Transformation in Emerging Economies*, Excel India Publishers, New Dehli, India.

- 29) **Ngui, D.M.**, Becker, C. (2007): Technical Efficiency Point and Confidence Interval Estimates of the Manufacturing firms in African Economies: A case of Kenya, in *Efficiency and Productivity Analysis: Retrospect and Prospect*, A Book of Abstracts for the Tenth European Workshop on Efficiency and Productivity Analysis (EWEPA), Lille, France.

Consultancy and Project Reports

- 30) Odhuno F. and **Ngui, D.**, Muniu, J (2022) Estimating Willingness to Take Covid-19 Vaccine Among Wholesale And Retail Service Workers In Port Moresby, Papua New Guinea. Papua New Guinea National Research Institute Discussion paper No. 194, June 2022. Port Moresby: Papua New Guinea
- 31) Rwanda Energy Comprehensive Review: Constraints to Energy Access, AfDB, 2020.
- 32) Development of a Business Trader Observer: A survey of Business Impediments along Trade and Transport Corridors in the COMESA Region, COMESA Business Council, September, 2019.
- 33) Odhuno F. and **Ngui, D.** (2019) Effects of Legal and Regulatory Requirements on the performance of Small and Medium Enterprises in Papua New Guinea. Papua New Guinea National Research Institute Discussion paper No. 169, July 2019. Port Moresby: Papua New Guinea
- 34) Odhuno F. and **Ngui, D. M** (2018) Use and Impact of ICT on SMEs in PNG: An Empirical Analysis and Implications for Policy, Papua New Guinea National Research Institute Discussion paper No. 162, Port Moresby: Papua New Guinea
- 35) A Comprehensive Study and Analysis on Energy Consumption Patterns in Kenya, Energy Regulatory Commission Report, KIPPRA, 2010.
- 36) Demand for Petroleum Products in Kenya, Ministry of Energy Report, KIPPRA, 2010

Non-Reviewed Conference Papers

- 37) **Ngui Muchai, D.** and Kimuyu, P. (2017) Prospects for Information and Communication Technology-Enabled Services in Kenya: The case of the Mobile Money Transfer Industry, WIDER working Paper 2017/86. Helsinki: UNU-WIDER. Available at <https://www.wider.unu.edu/publication/prospects-information-and-communications-technology-enabled-services-kenya>
- 38) Chege, J., **Ngui, D.** and Kimuyu, P. (2014): Scoping Paper on Kenyan Manufacturing, WIDER Working Paper No. 2014/136. Helsinki: UNU-WIDER

Other Publications

- 39) **Ngui, D.M.**, Becker, C. and Thomi, W. (2008): Corruption, Insecurity and Technical Efficiency: Evidence from the Kenyan Manufacturing Firms, Discussion paper No. 58, Department of Economics, Martin-Luther-University Halle-Wittenberg, Halle.
- 40) **Ngui, D.M.** (2008): Determinants of the Informal Sector Performance in the Semi-Arid Areas of Kenya: Evidence from Makueni District, Hallesche Discussionsbeiträge zur Wirtschafts- und Sozialgeographie Heft 13, Institute für Geographie, Martin-Luther-University-Halle-Wittenberg, Halle.
- 41) **Ngui, D.M.**, Becker, C. and Thomi, W. (2007): Firm efficiency differences during the structural reform period: Empirical Evidence from the Kenyan Manufacturing firms, Discussion paper No. 57, Department of Economics, Martin-Luther-University Halle-Wittenberg, Halle.

SCHOLARLY PRESENTATIONS AT CONFERENCES/WORKSHOPS/SEMINARS

- ‘ Household Energy Demand in Kenya: An Application of Linear Approximate Almost Ideal Demand System (LA-AIDS)’ a paper presented at the **AERC Joint Facility for Electives Seminar Series**, held on 1st August 2019 at Kenya School of Monetary Studies, Kenya.
- ‘Fiscal Policy and Capital Flight in Kenya’ a paper presented at the **National Workshop on Capital Flows in Kenya**, held on 4th September, 2017 at the Hilton Hotel, Nairobi.
- ‘Understanding Industrial Policies in Kenya’ a research proposal Presented at the **Capacity Building Workshop** on Mobilizing Local Knowledge to Improve Competitive Strategies, held on 30th June – 1st July, 2017 at the Intercontinental Hotel, Nairobi
- ‘ICT enabled services in Kenya: a paper presented at **UNU-WIDER’S Author’s workshop** on Industries without smokestacks, held on 19th – 20th June 2016 in Helsinki, Finland
- ‘Fiscal Policies and Capital Flight’ a paper presented at the African Economic Research Consortium Capital Flight and Tax Havens, **Final Review workshop**, held on 29th – 30th May, 2015 at the Snowcrest Hotel, Arusha, Tanzania.
- ‘Fiscal Uncertainties and Capital Flight in Kenya’ a paper presented at the African Economic Research Consortium **Capital Flight and Tax Havens inception workshop**, held on 20th – 21st March, 2014 at the Fairview Hotel, Nairobi, Kenya.

- ‘Household energy Choice and Poverty Reduction’ a proposal presented at the **Environmental for Development annual workshop**, held on 7th August 2013 at the Fairview Hotel, Nairobi, Kenya.
- ‘Industrialization in Kenya: What went Wrong and Why? A paper presented at **UNU-WIDER’S conference**, held on 24th – 25th June 2013 at Helsinki, Finland.
- ‘Long Run Determinants of Savings in Kenya’, a paper presented at the **AERC Biannual Conference** held on 2nd to 7th June 2013 at Mt. Meru Hotel, Arusha, Tanzania
- ‘Learning by Exporting: the Kenyan experience’, a paper presented at a **learning to compete workshop** held on 27th to 28th may 2011 at Safari Park Hotel, Nairobi.
- ‘Scooping paper on Kenyan Manufacturing’, a paper presented at a **learning to compete workshop** held on 27th to 28th May 2011 at Safari Park Hotel, Nairobi.
- “Technical Efficiency effects of bank mergers and acquisitions in Kenya”, a paper presented at the **8th African Finance Journal Conference** held on 14th to 15th April 2011 at Safari Court Hotel, Windhoek, Namibia.
- ‘Comprehensive Study and Analysis on Energy Consumption in Kenya’ a paper presented at a **stakeholders workshop** held on 28th January, 2010 at Utalii Hotel, Nairobi.
- ‘National energy survey report’ presented at a **dissemination workshop** held on 29th September at Utalii Hotel, Nairobi.
- ‘Corruption, Insecurity and Technical Efficiency: Evidence from the Kenyan Manufacturing Firms’, a paper presented at a **First Conference on Micro, Small and Medium Enterprises**, held on 14th to 17th November, 2007 at Kenyatta University, Nairobi.
- ‘Estimating Efficiency within the Manufacturing Sector in Kenya during the Structural Reform Period: An Empirical Analysis’, a paper presented at Tenth European Workshop on Efficiency and Productivity Analysis (EWEPA) held on at 27th to 30th June at Lille, France.
- “Technical Efficiency point and Confidence Interval estimates of the Manufacturing sector in African economies: A case of Kenya”, a paper presented at Tenth European Workshop on Efficiency and Productivity Analysis (EWEPA) held on at 27th to 30th June at Lille, France.
- ‘Does Corruption and Insecurity Affect Firms Efficiency? Evidence from the Kenyan Manufacturing Firms’, a paper presented at First Halle Efficiency and Productivity Analysis Workshop-HEPAW, 20th to 21st June at Halle, Germany.

QUALITY TEACHING, LEARNING AND MENTORSHIP

Trainings in Higher Education

Trainings in Higher Education Teaching

- 6th – 30th May 2019: **Data Management and Statistical Analysis Using R**, Kenyatta University in Partnership with University of Helsinki.
- 26th – 28th September 2018: Seminar, **Quality Doctoral Education-A prerequisite for Strong Universities in Africa**, Dialogue on Innovative Higher Education Strategies (DIES)
- 30th June – 1st July, 2017 : Capacity Building Workshop on **Mobilizing Local Knowledge to Improve Competitive Strategies**, held on at the Intercontinental Hotel, Nairobi
- 28th May – 14th Nov 2013: **Teaching Methodology** , Centre for Teaching Excellence and Evaluation, Kenyatta University.
- 30th April – 2nd may 2012: **Research Methods and Computer Applications retooling** workshop, African Economic Research Consortium

Areas of Teaching at the University Level

- **Ph.D.:** Quantitative Methods, Econometrics
- **Masters:** Econometrics I & II; Theory of Statistics, Industrial Economics, Micro-Econometrics, Macro-Econometrics; Research Methods, Economic Data Analysis and Computer Applications
- **Bachelor's:** Research Methods, Econometrics, Statistics for Economists, Sample Survey, Mathematics for Economists, Industrial Economics, Micro Economics, Macro-Economics

SUPERVISION

Completed Supervision of Post Graduate Students

PhD

- 1) **Mutuku S. Mutinda (K96/12050/2009):** Essays on Technical Efficiency, Productivity Change and Efficiency Determinants in Public Primary Schools in Kenya, 2019
- 2) **Akims Kanag Amos (K96F/CTY/23518/2013):** Trade Openness and Performance of the Manufacturing Sector in Nigeria, 2017

- 3) **Makali B. Mulu (K96/12327/2009):** Benefit Incidence Analysis of Constituencies Development Fund Spending on Education on Selected Constituencies in Kenya, 2015.
- 4) **Mugendi Charles (K96/11959/2007):** Intersectoral and Intra sectoral Spillover Effects of FDI in SSA: A Case of Kenya's Domestic Firms, 2014.
- 5) **Ogada Maurice (K96/12052/2009):** Essays on Farm Technology Adoption, Technical Efficiency and Productivity in Small Holder Crop Agriculture in Kenya, 2013.
- 6) **Muthoga Samuel (K96/10836/2008):** Effects of Regional Financial Integration on Economic Growth and Intra-regional Trade of East African Community Member Countries, 2012
- 7) **Bethsuela Bichage (N85/11282/2006):** Measuring Efficiency and Benchmarking Classified Two-five Star Hotels in Nairobi and Mombasa, Kenya, 2012.

Masters

- 1) **Wandia Sylvia (K102/33192/2014):** The Uptake and Attrition of Mobile money in Kenya, 2019
- 2) **Masaiba Moses (K102/29003/2014):** Effect of Business Development Services on Performance of Small and Medium Enterprises in Kenya, 2018.
- 3) **Andrew Kiiru (K102/21340/2012):** An Efficiency Analysis of Public Road Transport in Nairobi-Kenya, 2015.
- 4) **Simon Ndicu (K102/25791/2013):** Efficiency Analysis of the Agro-processing Industry in Kenya, 2015.
- 5) **Peter Dayan (K102/24465/2013):** Effects of Inflation on Minimum Wages in Kenya, 2015
- 6) **Benard Yegon (K102/21506/2010):** Analysis of Technical and Allocative Efficiency in Fish Pond Production in Kiambu County, Kenya, 2015.
- 7) **Kariuki Paul Wanjora (C50/CE/11261/2004):** Analysis of Technical Efficiency of Technical, Vocational and Entrepreneurship Training (Tvet) Education in Kenya, 2015.
- 8) **Thinguri Salome Wambui (K102/12761/2009):** Effect of Public Pension Schemes on National Savings in Kenya: 1971-2011, 2013.
- 9) **Mdoe Iddi Jackson (K102/20091/2010):** Total Factor Productivity in the Kenya non-life insurance sector, 2005-2009, 2012.
- 10) **Wunu Solomon (C50/10046/2007):** Determinants of Human Smuggling from Ethiopia: A Case Study of Ethiopian Migrants in Kenya, 2011.

Ongoing Supervision

Ph.D

- **Simon Ndicu (K96/CTY/25923/18):** Firm Level Innovation, Intellectual Property Rights and Firm Productivity: A case of Manufacturing and Service Sectors in Kenya
- **Muigai Wainaina (K96/CTY/27921/18):** Essays on Contract Farming, Agricultural Technology Adoption and Productivity among Small-Holder Banana Farmers in Kenya
- **Michael Murigi (K96/CTY/25924/14):** Assessing Rice Production Efficiency in Kenya
- **Kenneth Kigundu M. (UoN):** Essays on Energy in the Manufacturing Sector in Kenya
- **Dorothy Ngina Kimolo (K96/CTY/33054/2015):** Labour Laws Compliance, Employment and Productivity of Micro and Small Scale Enterprises
- **Kelvin S. Nkhoma (K96F/CTY/27635/2014):** Performance and Efficiency of Health Systems in East African Community (EAC).
- 2017: **Maurice N. Mwangi (K96/CTY/28190/2014):** Kenya-China Bileteral Trade: Theoretical Expectations versus Actual Development Trade Patterns.

Masters

- **Kevin Okoth (K102/26140/2019):** Analysis of Pension Coverage Among Informal Sector Workers: A case of Meru County Kenya
- **Chepleting Joan (K102/CTY/PT/38661/2016):** Determinants of Technical Efficiency in Maize Farming in Trans-Nzoia County, Kenya
- **Geoffrey Kiprono Kibet (K102/33419/2015):** Sustainable Reduction of Fossil Fuel Consumption and Carbondioxide Emission In Kenya.
- **Felix Kimiyei (K96/CTY/31343/2015):** Feasibility in the Blue Economy and Enhancing Maritime Transport in Kenya
- **Victor Ongaya (K102/CTY/PT/31010/2015):** Technical Efficiency of Public Secondary Schools in Kenya: A data Envelopment Analysis.

PROFESSIONAL/CONSULTANCY

Networks/collaborations with External Organizations

- 17th to 25th Sept, 2020: Visiting resource person at the Joint Faculties for Electives (JFE) **African Economic Research Consortium**, Responsibilities: Teaching AERC Collaborative Masters students Econometrics Theory and Practice I

- 28th August 2020: **Yunus Centre**, Introduction to Social Business Workshop , Kenyatta University
- June 2020: in collaboration with **Open University-UK and Gulu University-Uganda** Submitted a proposal on “Renewable Energy for refugees and Host Communities” (Under Review).
- 12th – 14th Sept, 2019: Econometrics Theory and Practice Group Member, **CPP (AERC)**:. Team of experts setting comprehensive exams in Econometrics Theory and Practice Kenya School of Monetary Studies, Nairobi.
- 24th June to 9th August, 2019: Visiting resource person at the Joint Faculties for Electives (JFE) **African Economic Research Consortium**, Responsibilities: Teaching AERC Collaborative Masters students Econometrics Theory and Practice I.
- 15th March, 2019: Validation Workshop of **KIPPRA**, Kenya Economic Report 2019. Sarova Stanley Hotel, Nairobi, Kenya
- 7th February, 2019: Research Dissemination of **University of Sydney and University of Nairobi**, Evaluating EAMDA’s Building a competitive banana industry in Kenya. Safari Park Hotel, Nairobi, Kenya
- 2nd -3rd December, 2018: **UN Science-Policy-Business-Forum** on the Environment workshop. UN Environment’s Headquarters, Nairobi.
- 25th June to 10th August, 2018: Visiting resource person at the Joint Faculties for Electives (JFE) **African Economic Research Consortium**, Responsibilities: Teaching AERC Collaborative Masters students Econometrics Theory and Practice I.
- 24th to 26th June , 2018: Seminar, China-Africa Infrastructure Cooperation in Africa in Nairobi Kenya, **AERC in partnership with Chinese-Embassy**. Intercontinental Hotel, Nairobi, Kenya.
- 21st to 22nd June, 2018: Symposium on Social Impact Bonds, **National Aids Control Council**. Sawela Lodges and Hotels, Naivasha, Kenya.
- 25th January 2018: Launch of the **Brookings AGI’s** Flagship Report, Foresight Africa: Top Priorities for 2018 at Fairview Hotel, Nairobi, Kenya.
- 26th June to 11th August, 2017: Visiting resource person at the Joint Faculties for Electives (JFE) **African Economic Research Consortium**, Responsibilities: Teaching AERC Collaborative Masters students Econometrics Theory and Practice I.
- 20th April 2017: African Union Agenda – 2063 workshop, **University of South Africa (UNISA)** at Best Western Plus Meridian Hotel, Nairobi.

- 29th March 2017: FDI, SMEs, Firm Growth and Trade conference, **The Ministry of Industry, Trade and Cooperatives' and the International Growth Centre's (IGC)**. Crowne Plaza Hotel, Nairobi. Kenya.
- 17th March 2017: Structural Transformation of African Agricultural and Rural Spaces (STAARS): Gender and Adoption of Agricultural Technologies in East Africa workshop, **Partnership for Economic Policy (PEP) and the International Centre of Insect Physiology and Ecology (icipe)**. icipe Duduville Campus, Nairobi,
- November 2016: Submitted a proposal on “Small Holder Farmers Supply Chains, Productivity and Mobile Phones Application in Kenya” in collaboration with **The University of Nairobi and Taita Taveta University**.
- 28th - 29th October, 2016: Economic Opportunities for a Better Future Leveraging agriculture, Innovation and Financial Inclusion Conference, **DFID-ESRC Growth Research Programme (DEGRP) and the African Economic Research Consortium (AERC)**. Safari Park Hotel.
- 26th -28th September, 2016: Dialogue on Innovative Higher Education Strategies (DIES) seminar: Quality Doctoral Education-A Prerequisite for Strong Universities in Africa for the **Germany Academic Exchange Service (DAAD) in Cooperation with the Inter-University Council for East Africa (IUCEA)**. Sarova Panafric Hotel, Nairobi
- 20th June to 5th August, 2016: Visiting resource person at the Joint Faculties for Electives (JFE) **African Economic Research Consortium**, Responsibilities: Teaching AERC Collaborative Masters students Econometrics Theory and Practice I.
- 2016: Contributed to a Chapter in the book “Manufacturing Transformation: Comparative Studies of Industrial Development in Africa and Emerging Asia” Coordinated by the **UNU-WIDER** under the Project Learning to Compete.
- 20th November, 2015: Annual Research and Policy Workshop of **Environment for Development and University of Nairobi**, Climate change, water and Forestry. Nairobi Safari Club, Nairobi, Kenya
- 25th June to 21st Sept, 2012: Visiting resource person at the Joint Faculties for Electives (JFE) **African Economic Research Consortium**, Responsibilities: Teaching AERC Collaborative Masters students Research Methods and Computer Applications II.
- July 2012: Resource Person at an Econometrics Workshop organised by Econometrics and Statistics Department, Kenyatta University at Kenyatta University Business Centre,

- 15th August to 30th Sept, 2011: Visiting resource person at the Joint Faculties for Electives (JFE) **African Economic Research Consortium**, Responsibilities: Teaching AERC Collaborative Masters students Research Methods and Computer Applications II.
- 12th to 14th September, 2011: Learning to Compete Workshop by **UNU-WIDER and KIPPRA** at the Oleseren hotel, Nairobi
- 14th to 25th September, 2009: Integrated watershed management Workshop by **DAAD and Centre for International Capacity Development (CICD)** , Moshi, Tanzania
- 26th – 30th January 2009: Gender Mainstreaming in Climate change and Adaptation Capacity Building Workshop by **Makerere University**, Department of Women and Gender Studies at Hotel Africana, Kampala, Uganda.
- 16th August to 1st Oct, 2010: Visiting resource person at the Joint Faculties for Electives (JFE) **African Economic Research Consortium**, Responsibilities: Teaching AERC Collaborative Masters students Research Methods and Computer Applications II.

Consulting for International/National Boards

- **Centre for Global Development:** Round Table, Digital Trade Rules, Digital policy norms and Consequences for Economic Development, 24 June 2021
- **National AIDS Control Council (NACC).** Task force, Kenya AIDS Strategic Framework 2014-2019 Review, 23rd September 2019.
- **Retirement Benefits Authority (RBA):** Segmentation of pension schemes in Kenya Study. In partnership with the Institute for Development Studies (IDS)-University of Nairobi. April 2019 - July 2019.
- **National AIDS Control Council (NACC):** Task force, HIV Financing Committee for Universal Health Care. Health and HIV impact Guidelines and Tools.. 12th April 2019.
- **DAAD Selection Board:** Economics and Management Expert, In-country in-region Scholarships selection, 12th – 14th December 2018
- **National AIDS Control Council (NACC):** Technocrat, HIV Programme efficiency and Return on Investments Preliminary findings, 6th - 8th October, 2016.

Consulting for External Organizations/Institutions

- **AERC:** Team of experts for development of online materials, Econometrics Theory and Practice Collaborative Masters Programme. 11th May - 22nd June, 2020

- **African Development Bank (AfDB):** Energy Economist Consultant, “Rwanda Energy Sector Review”. December 2019 - July 2020
- **COMESA Business Council (CBC):** Consultant, “Development of a Business Trader Observer: A survey of Business Impediments along Trade and Transport Corridors in the COMESA Region (Kenya, Uganda, Tanzania, Rwanda, Zambia, Zimbabwe and Democratic Republic of Congo)”. August 2019 – December 2019
- **AERC :** Team of experts Econometrics Theory and Practice, setting comprehensive exams in Econometrics Theory and Practice for Collaborative PhD Programme (CPP). 12th – 14th Sept, 2019.
- **AERC :** Team of experts Econometrics Theory and Practice, setting comprehensive exams in Econometrics Theory and Practice for Collaborative PhD Programme (CPP). 6th - 8th February , 2018.
- **United Nations University (UNU):** Consultant, “Industries Without Smokestacks: Implications for Africa’s Industrialization”. January 2016 - May 2016.
- **Kenya Institute for Public Policy Research and Analysis (KIPPRA):** Econometrics Trainer, Young Professionals. October 2015.
- **AERC:** Resource person, Research Methods and Computer Applications course review. Collaborative Masters Program, Safari Park and Casino hotel, Nairobi . 26th April to 2nd May, 2012:
- **AERC:** Resource person, Industrial Economics Course review. Collaborative Masters Program at the Kenya Commercial Bank, Management Centre in Nairobi. 24th June to 26th June, 2008

Membership to Academic/Professional Bodies

- African Research and Impact Network (ARIN), Fellow, 2020- date.
- African Studies Centre Leiden (ASCL), Associate Member, 2018-date:
- World Economic Survey Expert Group (WES Expert Group), Ifo Institute for Economic Research, Munich, Germany, member, April, 2010 to date.
- Research Papers in Economics(RePEc) Author Service, Member, 2005 – date,

Examiner

External

- 2021: External Examiner, Egerton, Department of economics

- 2019 - 2021: School of Economics, University of Nairobi
- September 2019: Ms. Grace Njeru Ph.D Thesis “Electricity, Demand, Generation Efficiency and Costs in Kenya”. University of Nairobi.
- 2014 - 2018: School of Business, Karatina University
- September 2017: Mr. Mwangi Wachira Ph.D Thesis “Dynamics of Financial Inclusion and Welfare in Kenya”. University of Nairobi.
- October 2015: Mr. Muricho Simiyu Ph.D Thesis “Determinants of Agricultural Commercialization and its Impacts on Welfare among Smallholder Farmers in Kenya”. University of Nairobi
- May 2011: Mr. David Mautin Oke Ph D Research Proposal “Efficiency and Productivity Change in Nigerian Banks” African Economic Research Consortium.
- January 2011: Valerie Ongolo & Afor Fosah Research Proposal “Analysis and Estimation of Urban Transport Cost Functioning Cameroon” African Economic Research Consortium.

Internal

- September 2019: Mr. Charles Munene Ph.D Thesis “Effect of Exchange Rate Misalignment and Volatility on Bilateral Trade Between Kenya and European Union”. Kenyatta University.
- January 2016: Mr. Silas Mwiathi Ph D Thesis “ Effects of Fiscal Decentralization On Poverty Reduction Outcomes, Income Inequalities And Human Development In Kenya” Kenyatta University.
- November 2012: Mr. Elphas Victor Ojiambo Ph.D Thesis “Effects of Foreign Aid Predictability on Investment and Economic Growth in Kenya”. Kenyatta University.
- September 2012: Mr. Martin Chege Wainaina Ph.D Thesis “Telecommunications Infrastructure and Economic Growth: A Case of Sub-Saharan Africa (1988-2010)” Kenyatta University.
- September 2011: Mr. Calistus Wekesa Waswa M. Sc (Finance) Thesis “Determinants of Dividend payout by Agricultural Firms Listed on the Nairobi Stock Exchange” Kenyatta University.
- March 2010: Ms. Makena Kaburu M. Sc (Finance) Thesis “An Investigation into the Effect of Financial Record-Keeping on the Financial Performance of SMEs (A Case Study of Nkubu, Imenti South District)” Kenyatta University.

Reviewer

- October 2020, Kenyatta University, Research and innovation grant proposal
- April 2020: African Economic Research Consortium Research Papers
- April 2020: European Scientific Journal
- January 2016: Kenya Economic Report, KIPPRA.
- 2014: African Economic Conference Papers
- 2014: African Development Review Journal
- 2013: African Economic Conference Papers
- 2012: African Economic Conference Papers
- 2009: External Reader/Editor: Heshmati, A., & Lee, J-D. (2009), Productivity, Efficiency and Economic Growth in the Asia-Pacific Region, Physica-verlag, Heidelberg.
- 2007: External Reader: Heshmati, A., Bajalan, C. & Tausch, A. (2007), Measurement and Analysis of Child Well-Being in Middle and High Income Countries, IZA DP No. 3203.

ADMINISTRATIVE AND RESPONSIBILITIES

University Administrative Responsibilities

- **Member**, Committee on Modules development and uploading. November 2020
- **Member (Secretary)**, Committee for writing IDRC proposal for the Office of the Vice-Chancellor, Research, Innovation and Outreach. June 2019
- **Chairman**, Committee for Reviewing Curriculum for the School of Economics, April 2019-Present.
- **Member**, Committee for Collaborations for the School of Economics, March 2019-Present
- **Member**, School Board of Graduate Studies, May 2015 – date.
- **Coordinator**, Postgraduate Studies, Department of Econometrics and Statistics, October 2014 – Dec 2015.
- **Chairman**, Committee for Research & Innovation (Formerly Research & Consultancy Committee) for the Department of Econometrics and Statistics, October 2014 – date.
- **Chairman**, Committee for Research & Innovation (Formerly Research & Consultancy Committee) for the School of Economics, October 2013 - date.

- ***Intermittent Chairperson:*** Department of Econometrics and Statistics, School of Economics, Kenyatta University, 2013 – 2014; January – February 2019
- ***Contact person,*** Departmental International Programmes, Department of Econometrics and Statistics, School of Economics, Kenyatta University, April 2013 - date.
- ***Departmental Examination Coordinator (Renewal),*** Department of Econometrics and Statistics, School of Economics, Kenyatta University, January 2011 – January 2013.
- ***Departmental Examination Coordinator,*** Department of Econometrics and Statistics, School of Economics, Kenyatta University, January 2008 – Dec 2010.
- ***Patron,*** Rotaract Club, Kenyatta University, 2008 – Date:

Research Appointments

- 2021 – Date: Research Manager, African Economic Research Consortium (On leave of absence from KU)
- 2018 – Date: Research Associate, University of South Africa (UNISA)
- 2013 - 2021: Chairman: Research & Consultancy Committee, School of Economics, Kenyatta University
- 2011 – 2012: Policy Analyst: Kenya Institute for Public Policy and Research Analysis – Private Sector Division
- 2008 – 2011: Policy Analyst: Kenya Institute for Public Policy and Research analysis – Infrastructure Sector Division
- 2003 – 2008: Research Associate: Kenya Institute for Public Policy and Research analysis – Private Sector Division
- August 1999: Senior Supervisor (Kenya National Census), Central Bureau of Statistics

Other Academic/Professional Appointments

- 2021: External Examiner, Egerton, Department of economics
- 2019 - 2021: External Examiner, University of Nairobi, school of economics
- 2018 - 2019: Examiners Board, African Economic Research Consortium (AERC)
- June 2016 – June 2022: Visiting Lecturer, Econometrics Theory and Practice I, AERC-CMAP, Nairobi
- May 2014 – May 2017: External Examiner, Karatina University, School of business.
- Nov 2011: Trainer - Public Policy Process Course, Kenya Anti-corruption Commission (KACC)
- 2011 - 2016: Trainer - Econometrics Course, Kenya Institute for Public Policy Research and analysis
- August 2010 – Sept, 2012: Visiting Lecturer, Research Methods and Computer Applications, AERC-CMAP, Nairobi

- May 2010: Visiting Researcher, **Brookings Institution**, Washington DC.

COMMUNITY ENGAGEMENT AND OTHER CONTRIBUTIONS

Research Funding

- September 2020 - To date: Won a research grant alongside other researchers from Bill & Melinda Gates Foundation for the **Project** Initiative of What Works for Women Economic Empowerment (IWWWEE); *The Gendered Impacts of the Kenyan Government Policy Response to Covid-19*
- March 2020 – August 2020: **Research grant** by Papua New Guinea (PNG) National Research Institute Research for the project – Employment effect of international trade in Papua New Guinea
- August 2018 – November 2018: **Research grant** by Papua New Guinea (PNG) National Research Institute Research for the project – Cost of Legal and Regulatory Requirements on the Performance of Small and Medium Enterprises (SMEs) in Papua New Guinea (PNG): An Empirical Analysis.
- Sept 2017 – April 2018: **Research grant** by Papua New Guinea (PNG) National Research Institute Research for the project - Use and Impact of Information and Communication Technology (ICT) on Small and Medium Enterprises (SMEs) in Papua New Guinea (PNG): An Empirical Analysis.
- March 2014 – April 2016: **Research grant** by African Economic Research Consortium Research Grant for the project – Capital Flight and Tax Havens
- 2010-2013: African Development Bank, Brookings Institute, UNU-WIDER; Project- Learning to Compete
- 2009-2011: Energy regulatory Commission; **Project-** Comprehensive study and analysis on energy consumption patterns in Kenya (in partnership with Kenya Institute for Public Policy Research and Analysis)
- 2008: Ministry of Energy -Kenya; Project- National integrated energy modelling and petroleum products demand studies in Kenya (With Kenya Institute for Public Policy Research and Analysis)

Community Outreach

- August, 2022: Project/Thesis writing refresher webinar, PhD and Masters students, school of economics, Kenyatta University

- 2019 - Date: Member, Kenyatta University Christian Union Alumni-Fellowship (KUCU-AF) Advisory Board
- 2014: Rotertank Project, Christ Our Refuge Children's Home
- School of Economics, staff Members visit to children homes.

Professional Affiliation and Portfolios

- 2020: Environment for Development-Kenya (EfD-K)
- 2018: University of South Africa (UNISA)

Recognitions, Awards and Honours

- September 2022: Editor, Journal of African Economies
- September 2021: *Guest Speaker*, JKUAT School of Business and Entrepreneurship Second Annual conference.
- September 2020: Honorary Appointment, Fellow-Africa Research and Impact Network
- 21st - 23rd February 2020: *Speaker*, Students' Leadership Summit 2020, Kenyatta University Christian Union (KUCU)
- May 2005 – February 2008: Doctoral Scholarship (German Academic Exchange Service-DAAD), Department of Economics, Martin-Luther-University Halle-Wittenberg, Germany.
- 2007: Third prize for the Best Poster Presentation at the tenth European Workshop on Efficiency and Productivity Analysis, Lille, France.
- 2003 – 2005: Tutorial Fellowship, Department of Economics, Kenyatta University, Kenya.
- 1999 – 2001: Postgraduate Fellowship (Graduate Assistantship), Department of Economics, Kenyatta University, Kenya.
- 1995-1998: Deans List Award for the best performing students, Kenyatta University
- 1990: Best Mathematics student Award, Machakos Girls High School

Discussant

- December 2021: Wycliff Mariga Ombuki Work in progress Thesis "Foreign Direct Investment Spillovers in Kenya's Manufacturing Sector: An Empirical Analysis". University of Nairobi.
- 18th -20th November 2020: Session Discussant, African Research and Impact Network (ARIN) International Conference on Building Africa's Resilience Post-COVID.
- 2nd March 2018: Kenya Institute for Public Policy Research and Analysis (KIPPRA) Kenya Economic Report (2018).

- 20th November 2015: Environment for Development, Research and Policy Workshop.
- 22nd March 2014:, African Economic Research Consortium (AERC), Inception and capacity building workshop
- 19th March 2014: Kenya Institute for Public Policy Research and Analysis (KIPPRA) research papers
- 7th August, 2013: Environmental for Development annual event workshop at the Fairview Hotel, Nairobi

Initiating/Leading Research Projects

- **Co-Principle Researcher:** Papua New Guinea (PNG) National Research Institute Research Grant. **Project** – Estimating Willingness to Take Covid-19 Vaccine Among Wholesale and Retail Service Workers In Port Moresby, Papua New Guinea. April 2021.
- **Principle Researcher-Energy Economist:** African Development Bank. **Project-** Rwanda Energy Sector Review. December 2019 – March 2020.
- **Co-Principle Researcher:** Papua New Guinea (PNG) National Research Institute Research Grant. **Project** – Cost of Legal and Regulatory Requirements on the Performance of Small and Medium Enterprises (SMEs) in Papua New Guinea (PNG): An Empirical Analysis. August 2018 – November 2018.
- **Co-Principle Researcher:** Papua New Guinea (PNG) National Research Institute Research. **Project** – Use and Impact of Information and Communication Technology (ICT) on Small and Medium Enterprises (SMEs) in Papua New Guinea (PNG): An Empirical Analysis. Sept 2017 – April 2018.
- **Principle Researcher:** UNU-WIDER. **Project** – Industries Without Smokestacks: Implications for Africa’s Industrialization. Jan 2016 – April 2017:
- **Principle Researcher:** with African Economic Research Consortium. **Project** – Capital Flight and Tax Havens. March 2014 – April 2016.
- **Co-Principle Researcher:** African Development Bank, Brookings Institute, UNU-WIDER/Kenya Institute for Public Policy Research and Analysis (KIPPRA). **Project** - Learning to Compete. May 2010 – May 2013.
- **Principle Researcher:** KIPPRA, Infrastructure and Economic Services division. **Project** - Comprehensive study and analysis on energy consumption patterns in Kenya. January 2009 – January 2011.

- **Principal Researcher:** KIPPRA, Infrastructure and Economic Services division.
Project - National integrated energy modelling and petroleum products demand studies in Kenya. May 2008 – December 2008.

REFEREES:

Dr. Paul M. Gachanja
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Department of Economics
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Nairobi, Kenya

Prof. Peter Kimuyu
Commissioner, Commission on Revenue Allocation (CRA)
PO Box 76091-00508,
Yaya Centre, Nairobi,
Kenya

Declaration:

I, certify that all information stated in this resume is true and complete to the best of my knowledge.