

Curriculum Vitae

PERSONAL DETAILS

Name: A/Prof. Amin Karimu Email: amin.karimu@uct.ac.za / nyoamink@gmail.com
Nationality: Ghanaian
Address: School of Economics & Environmental Policy Research Unit (EPRU)
Faculty of Commerce, University of Cape Town, South Africa

LANGAUGE:

Language level	Read	Written	Spoken
1.English	Excellent	Excellent	Excellent
3. Swedish	Fair	Fair	Fair

KEY QUALIFICATIONS:

I hold a PhD in Economics and have more than twelve (12) years research, teaching and consultancy experience from working in the academia, research institutions and consultancy work with International Growth Centre (IGC), UNU-WIDER, SIDA, International Development Research Centre (IDRC) through the Environment for Development (EfD) Centre and the African Development Bank (AfDB), Swedish Energy Agency, Public Utility Regulatory Commission (PURC) of Ghana

ACADEMIC QUALIFICATIONS:

2013 - PhD in Economics, Umea University, Sweden
2006 – MSc in Economics, Dalarna University, Sweden
2002 – BA in Economics and Geography, Kwame Nkrumah University of Science and Technology, Ghana

EMPLOYMENT RECORDS:

Associate professor in Economics, School of Economics, University of Cape Town, 2020-date.
Senior Research Fellow, Environmental Policy Research Unit (EPRU), University of Cape Town, 2020-date.
Visiting Research Fellow, Mistra Centre for Sustainable Markets, Stockholm School of Economics, 2018-2019.
Visiting Research Fellow, Centre for Environmental and Resource Economics (CERE), 2017-date.
Senior lecturer, University of Ghana, 2016-2020 (on leave of absence).
Postdoctoral Research Fellow, Centre for Environmental and Resource Economics (CERE), Umea University, 2014-2016.
PhD by employment, Umea University, 2010 -2013.

RESEARCH ACTIVITIES:

Selected Funded Research Projects:

- Rural renewable energy MSMEs operating to modernize agriculture in Sub Saharan Africa and South-East Asia: Barriers, opportunities, and implications for inclusive low-carbon transition project funded by IDRC, 2023
- Senior Research Fellow, Inclusive Green Economy (IGE) Programme funded by Sida, 2023-2027: Provide training on inclusive Green Economy (IGE) to Senior Civil servants on Economic Policy Instruments to promote IGE in five East African countries (Ethiopia, Kenya, Tanzania, Rwanda, and Uganda)
- Consultant for African Development Bank for Country Diagnostic Note (CDN) for Ghana, June 2022-December 2022
- Project lead for the Welfare Implication of Reversing Ghana's Electricity Tariff Structure: Evidence from residential and non-residential customers, funded by IGC in collaboration with PURC, February 2023 – July 2023
- Coordinator for the RAMP project for Rwanda, funded by World Research Institute (WRI), January 2022-August 2022: a capacity-building programme designed to improve core knowledge and planning in Ministries of Finance, Planning, and Economics for climate change adaptation
- Project lead, Solar awareness programme for SMEs in Ghana funded by GIZ, 2021: Provide training to SMEs on solar energy in terms of benefits, where to get help for solar installation and where to get financial assistance for such an uptake by SMEs in Ghana
- Co-investigator, “Inclusive Low-Carbon Transitions for Sustainable Development in the Global South” funded by IDRC, 2021-2023: Develop an actionable research agenda that will feed into IDRC’s 2030 strategic vision and to provide some support in the implementation of National Determined Contributions (NDCs), especially for countries in the Global South
- Senior Research Fellow, Inclusive Green Economy (IGE) Programme funded by Sida, 2021-2022: Provide training on inclusive Green Economy (IGE) to Senior Civil servants on Economic Policy Instruments to promote IGE in five East African countries (Ethiopia, Kenya, Tanzania, Rwanda, and Uganda)

- Project lead, Sharing is Costly? Experimental Evidence on the Effects of Shared Metering on Energy Conservation in Ghana funded by Sida, 2021-2022: assess the agency problem associated with a shared meter in compound houses in Ghana and the likely influence on energy conservation, energy efficiency policies and the implication on bill payments and mental health of households
- Co-investigator, Energy, and sustainable development goals project, funded by Swedish Energy Agency, 2018-2019: the goal of the project is to establish the synergy and trade-off of clean energy and selected SDGs that are closely impacted by energy and the “double dividend” of environmental taxation
- Project lead, Dynamic pricing of electricity in Sweden, funded by Swedish Energy Agency, 2017-2018: the focus of the project is to assess the impact of real time pricing of electricity on load, welfare, and emissions for Swedish households to accommodate significant penetration of renewables (especially wind) in the electricity generation mix of Sweden
- Project lead, managing natural resources for sustainable and inclusive growth, UNU-WIDER project, 2015-2016: The project explored various mechanisms in managing natural resource for sustainable development in Sun-Saharan Africa
- Co-investigator, Carbon convergence project supported by the Swedish Energy Agency, 2013-2014: aim at assessing carbon convergence and energy intensity convergence and the implication for burden sharing in climate change negotiations
- Co-investigator, Energy and climate change project on clean cooking fuels supported by Swedish Ministry of Enterprise, Energy and Communication and Swedish Energy Agency, 2012 -2013: The project focus on exploring various dimension of cooking fuels in Africa and policies that could promote uptake of clean fuels and the sustainable utilisation of biomass fuels for cooking in Africa

Selected Publications in Refereed Journals:

1. Edward Asiedu, E., **Karimu, A.**, & Iddrisu, A.G., (2023). Structural Changes in African Households: Female-headed households and Children's Educational Investments in an Imperfect Credit Market in Africa. (*Forthcoming in Structural Change and Economic Dynamics*)
2. **Karimu, A.**, & Swain, R. B., (2023). Implication of electricity taxes and levies on SDGs in the European Union. (*Forthcoming in Energy Policy*)
3. Mohammed, J.I., Fiador, V.O., **Karimu, A.**, & Abor, J.Y., (2022). Ownership Structure of Oil Revenues, Political Institutions and Financial Markets in Oil Producing Countries. *Journal of Multinational Financial Management*, 66, 100760
4. Hussain, J., **Karimu, A.**, & Salia, S., (2022). Does the cost of energy matter for innovation? The effects of energy prices on SME innovation in Sub-Saharan Africa. *International Journal in Entrepreneurial Behaviour and Research*, 28(2)
5. **Karimu, A.**, Krishnamurthy, C. K. B., & Vesterberg, M. (2022). Understanding Hourly Electricity Demand: Implications for Load, Welfare and Emissions. *The Energy Journal*, 43(1).
6. **Karimu, A.**, Salia, S., & Hussain, J., (2021). The Impact of Refinery and Oil Demand Shocks on the Motor Fuel Market in Sweden. *International Journal of Finance and Economics*.
7. Swain, R. B., Kambhampati, U. S., & **Karimu, A.**, (2020). Regulation, governance, and the role of the informal sector in influencing environmental quality. *Ecological Economics*, 173, 106649.
8. Mohammed, J.I., **Karimu, A.**, Fiador, V. O. and Abor, J. Y. (2020), Oil Revenues and Economic Growth in Oil-Producing Countries: The Role of Domestic Financial Markets, *Resources Policy*, 69.
9. Swain, R. B., & **Karimu, A.**, (2020). Renewable Electricity and Sustainable Development Goals in the EU, *World Development*, 125, 104693.
10. **Karimu, A.**, Salia, S., Hussain, J.J., & Tingbani, I., (2019). Are competitive microfinance services worth regulating? Evidence from microfinance institutions in Sub-Saharan Africa. *International Journal of Finance and Economics*.
11. Hussain, J., Salia, S., & **Karimu, A.** (2018). Is knowledge that powerful? Financial literacy and access to finance: An analysis of enterprises in the UK. *Journal of Small Business and Enterprise Development*.
12. Brännlund, R., & **Karimu, A.**, (2018). Convergence in global environmental performance: assessing heterogeneity. *Environmental Economics and Policy Studies*, 20(3), 503-526.
13. Jaraite, J., **Karimu, A.**, & Kazukauskas, A., (2017). Policy-Induced Expansion of Solar and Wind Electricity-Generating Capacity: Economic Growth and Employment in EU Countries. *The Energy Journal*, 38(5), 197–222.
14. **Karimu, A.**, Adu, G., Marbuah, G., Mensah, J. T., & Amuakwa Mensah, F., (2017). Natural Resource Revenues and Public Investment in Resource rich Economies in Sub-Saharan Africa. *Review of Development Economics*, 21(4), e107-e130.
15. **Karimu, A.**, Brännlund, R., Lundgren, T., & Söderholm, P., (2017). Energy intensity and convergence in Swedish industry: A combined econometric and decomposition analysis. *Energy Economics*, 62, 347-356.
16. Brännlund, R., **Karimu, A.**, & Söderholm, P., (2017). Convergence in carbon dioxide emissions and the role of growth and institutions: a parametric and non-parametric analysis. *Environmental Economics and Policy Studies*, 19(2), 359-390.

17. **Karimu, A.**, & Marbuah, G. (2017). Re-examining the financial development-openness nexus: nonparametric evidence for developing countries. *Journal of applied economics*, 20(2), 373-394.
18. **Karimu, A.**, Mensah, J. T., & Adu, G., (2016). Who adopts LPG as the main cooking fuel and why? Empirical evidence on Ghana based on national survey. *World Development*, 85, 43-57.
19. Adu, G., Alagidede, P. and **Karimu, A.**, (2015). Stock Return Distributions, Volatility, Predictability and Efficiency in the BRICS. *Review of Development Finance*, Vol.5, pp.98-109.
20. **Karimu, A.**, (2015). Cooking fuel preferences among Ghanaian Households: an empirical analysis. *Energy for Sustainable Development*, 27, 10-17.
21. **Karimu, A.** and Mensah, J.T. (2015). Climate Change and Electricity Consumption in Sub-Saharan Africa: Assessing the Dynamic Responses to Climate Variability. *OPEC Energy Review*, Vol.39 (3), pp.322-345.
22. **Karimu, A.** (2014). Impact of economic and non-economic factors on gasoline demand: a varying parameter model for Sweden and the UK. *OPEC Energy Review*, 38(4), 445-468.
23. **Karimu, A.**, & Brännlund, R., (2013). Functional form and aggregate energy demand elasticities: A nonparametric panel approach for 17 OECD countries. *Energy Economics*, 36, 19-27.

EDITED BOOKS AND CHAPTERS:

1. Abor, J. Y., **Karimu, A.**, & Brännlund, R. (Eds.). (2023). *The Economics of the Oil and Gas Industry: Emerging Markets and Developing Economies*. Taylor & Francis.
2. Abor, J. Y., & **Karimu, A.** (Eds.). (2023). *Sustainability Management in the Oil and Gas Industry: Emerging and Developing Country Perspectives*. Routledge.
3. Iddrisu, K., Adom, P. K., Mohammed, J. I., & **Karimu, A.** (2023). Economics of Downstream Oil and Gas Project, Risk, and Decision Analysis. *The Economics of the Oil and Gas Industry: Emerging Markets and Developing Economies*. Taylor & Francis.
4. Odoom, R., Brännlund, R., **Karimu, A.**, & Nanzoninge, J. (2023). Oil and Gas Energy Security. *The Economics of the Oil and Gas Industry: Emerging Markets and Developing Economies*. Taylor & Francis.
5. Mohammed, J. I., Fiador, V. O., **Karimu, A.**, & Abor, J. Y. (2023). Oil Revenues, Finance, and Economic Development. *The Economics of the Oil and Gas Industry: Emerging Markets and Developing Economies*. Taylor & Francis.
6. Osei, J. O., **Karimu, A.**, Kally, M. K., & Goanue, M. (2023). The Oil and Gas Industry in Emerging and Developing Economies. *The Economics of the Oil and Gas Industry: Emerging Markets and Developing Economies*. Taylor & Francis.
7. **Karimu, A.**, Agordoh, G., Quartey, P., & Brännlund, R. (2023). The Economics of Oil and Gas Resources. *The Economics of the Oil and Gas Industry: Emerging Markets and Developing Economies*. Taylor & Francis.
8. **Karimu, A.**, & Dramani, J. B. (2020). Energy Consumption Patterns in Africa: The Role of Biomass Fuels for Cooking and Fuel Use in the Transportation Sector. *Sustainable Consumption and Production, Volume I: Challenges and Development*, 315. Published by Springer Nature.
9. **Karimu, A.**, (2013). Essays on Energy demand and household energy choice (Doctoral dissertation, Umea University).

WORKING PAPERS:

1. Karimu, A., Asiedu, E., Abor, J.A., & Adongo, R.M., (2019). Does energy poverty influence human capital development in developing countries? Evidence from Ghana.
2. Karimu, A., Mensah, J.T.; & Abor, J.A., (2019). Innovation under constraints: how does electricity shortages affect firm innovation in Sub-Saharan Africa.
3. Karimu, A., & Brnnlund, R., (2016). Energy efficient R&D investment and aggregate energy demand: Evidence from OECD Countries.
4. Adu, G., Karimu, A., & Mensah, J.T., (2016). Exchange rate and macroeconomic stability in Ghana: Determinants and pass-through effects.

ACADEMIC JOURNAL REVIEW ACTIVITIES

I have served as a reviewer for the following journals:

- The Energy Journal
- Energy Economics
- World Development
- Energy Policy
- Economic modelling
- Journal of forestry economics
- African Review of Economics and Finance
- Energy for Sustainable Development

- Economics; Eastern European Economics
- Renewable & Sustainable Energy Reviews
- Economic Research Southern Africa
- Economic Change and Restructuring
- Review of Development Economics.
- Journal of Economic and Financial Sciences.

SKILLS:

Proficient in the use of the following data analysis software: STATA, R, MATLAB and EViews,
Knowledgeable in the use of Microsoft Office Suite and LATEX, Knowledgeable in valuation methods and application,
Excellent ability in policy briefs and report writing and an effective communicator.

REFEREES

Prof. Runar Brännlund
Department of Economics Umea University, Sweden
Contact: runar.brannlund@econ.umu.se; phone: +46 90 7866270

Prof. Kurt Brännäs
Department of Economics Umea University, Sweden
Contact: kurt.brannas@econ.umu.se; phone: +46708483693

Prof. Joshua Yindenaba Abor
Department of Finance, University of Ghana Business School
P. O. Box LG 78 Legon, Accra, Ghana
Contact: joshabor@ug.edu.gh; phone; +233 244223599

Prof. Martine Visser
School of Economics & Environmental Policy Research Unit, EFD Centre
Faculty of Commerce
University of Cape Town
South Africa
Contact: martine.visser@uct.ac.za; phone: +27 021 650 5241