Prof. Eric Fosu Oteng-Abayie

Department of Economics
Kwame Nkrumah University of Science and Technology

ORCID 0000-0002-4598-2066 · Homepage webapps.knust.edu.gh/staff/dirsearch/profile/summary/5bd32b1eccc5.html · Google Scholar scholar.google.com/citations?user=WhLyVUUAAAAJ&hl=en · Profile knust.peerford.com/staff/e2639b56-a262-4c4e-b811-2ed81b3e15ef

RESEARCH

Interests	Energy and environment · macroeconomy · efficiency and productivity · Sub-Saharan Africa
Areas	Economics and Econometrics · Renewable Energy, Sustainability and the Environment · Finance · General Economics, Econometrics and Finance · Accounting · Information Systems

RESEARCH SUMMARY

75	2,328	25	44	4.92	52%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 75 publications listed below, 2006–2026. Field-weighted impact is the mean over the 52 works scored for it; 1.00 is the world average for works of the same field, type and year. 27 of the 52 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 71

1. Michael Appiah, Sania Ashraf, Bright A. Gyamfi, Simplice A. Asongu, **Eric F. Oteng-Abayie** (2026). Driving sustainability in Sub-Saharan Africa: the role of FinTech and green finance. *Environment Development and Sustainability*. https://doi.org/10.1007/s10668-026-08000-1
2. Richard Eshun, **Eric Fosu Oteng-Abayie** (2026). Tripartite relationship between cashless economy, money demand, and the long-run stability of money demand function: evidence from Ghana. *Future Business Journal*. https://doi.org/10.1186/s43093-026-00994-4
3. Eric Abokyi, Paul Appiah-Konadu, **Eric Fosu Oteng-Abayie**, Kwabena Fio Tangato (2024). Consumption of clean and dirty cooking fuels in ghanaian households: The role of financial inclusion. *Cleaner and Responsible Consumption*. https://doi.org/10.1016/j.clrc.2024.100187
4. **Eric Fosu Oteng-Abayie**, Foster Awindolla Asaki, Emmanuel Duodu, Sulemana Mahawiya, Bright Akwasi Gyamfi (2024). Decomposition analysis of electricity generation on carbon dioxide emissions in Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2024.e28212
5. Foster Awindolla Asaki, **Eric Fosu Oteng-Abayie**, Franklin Bedakiyiba Baajike (2024). Effects of water, energy, and food security on household well-being. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0307017
6. Angela Boakye Afriyie, **Eric Fosu Oteng-Abayie**, Prince Boakye Frimpong, Kofi Amanor (2024). Households' preference and willingness to pay for alternative energy sources: a discrete choice experiment. *Sustainable Energy Research*. https://doi.org/10.1186/s40807-024-00117-z
7. **Eric Fosu Oteng-Abayie**, Gideon Mensah (2024). The impact of urbanization and industrial structure upgrading on energy intensities in Sub-Saharan Africa. *Environment Development and Sustainability*. https://doi.org/10.1007/s10668-024-05181-5
8. Kofi Amanor, **Eric Fosu Oteng-Abayie**, Anthony Kofi Osei-Fosu, Prince Boakye Frimpong (2023). A decomposition analysis of microcredit welfare gaps in Ghana. A gender analysis. *Social Sciences & Humanities Open*. https://doi.org/10.1016/j.ssaho.2023.100464

9. Kwadwo Arhin, **Eric Fosu Oteng-Abayie**, Jacob Novignon (2023). Assessing the efficiency of health systems in achieving the universal health coverage goal: evidence from Sub-Saharan Africa. *Health Economics Review*. https://doi.org/10.1186/s13561-023-00433-y

10. Kwadwo Arhin, **Eric Fosu Oteng-Abayie**, Jacob Novignon (2023). Cost efficiency of primary health care facilities in Ghana: stochastic frontier analysis. *Discover Health Systems*. https://doi.org/10.1007/s44250-023-00044-8

11. **Eric Fosu Oteng-Abayie**, John Bosco Dramani, Frank Adusah-Poku, Kofi Amanor, Jonathan Dagadu Quartey (2023). Decomposition and drivers of energy intensity in Ghana. *Energy Strategy Reviews*. https://doi.org/10.1016/j.esr.2023.101090

12. Kwadwo Arhin, **Eric Fosu Oteng-Abayie**, Jacob Novignon (2023). Effects of healthcare financing policy tools on health system efficiency: Evidence from sub-Saharan Africa. *Heliyon*. https://doi.org/10.1016/j.heliyon.2023.e20573

13. Franklin Bedakiyiba Baajike, **Eric Fosu Oteng-Abayie**, John Bosco Dramani, Kofi Amanor (2023). Effects of trade liberalization on the global decoupling and decomposition of CO2 emissions from economic growth. *Heliyon*. https://doi.org/10.1016/j.heliyon.2023.e23470

14. **Eric Fosu Oteng-Abayie**, Emmanuel Duodu, Seth Oduro, Samuel Tawiah Baidoo (2023). Greening the future: Unveiling the link between industrial structure upgrading and pollution emission in sub-Saharan Africa. *Cogent Economics & Finance*. https://doi.org/10.1080/23322039.2023.2257069

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16. Emmanuel Joel Aikins Abakah, Aviral Kumar Tiwari, Oluwasegun B. Adekoya, **Eric Fosu Oteng-Abayie** (2022). An analysis of the time-varying causality and dynamic correlation between green bonds and US gas prices. *Technological Forecasting and Social Change*. https://doi.org/10.1016/j.techfore.2022.122134

17. Richard Adjei Dwumfour, **Eric Fosu Oteng-Abayie**, Emmanuel Kwasi Mensah (2022). Bank efficiency and the bank lending channel: new evidence. *Empirical Economics*. https://doi.org/10.1007/s00181-021-02166-5

18. **Eric Fosu Oteng-Abayie**, Foster Awindolla Asaki, Maame Esi Eshun, Eric Abokyi (2022). Decomposition of the decoupling of CO2 emissions from economic growth in Ghana. *Future Business Journal*. https://doi.org/10.1186/s43093-022-00138-4

19. Joshua Nsanyan Sandow, **Eric Fosu Oteng-Abayie**, Emmanuel Duodu (2022). External debt and economic growth in Sub-Saharan Africa: does heterogeneity in the quality of public sector management make a difference? *Heliyon*. https://doi.org/10.1016/j.heliyon.2022.e10627

20. George Agyeman, Daniel Sakyi, **Eric Fosu Oteng-Abayie** (2022). External debt and economic growth in selected sub-Saharan African countries: The role of capital flight. *Research in Globalization*. https://doi.org/10.1016/j.resglo.2022.100091

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22. **Eric Fosu Oteng-Abayie**, Emmanuel Duodu, Gideon Mensah, Prince Boakye Frimpong (2022). Natural resource abundance, environmental sustainability, and policies and institutions for environmental sustainability in sub-Saharan Africa. *Resources Policy*. https://doi.org/10.1016/j.resourpol.2022.103097

23. **Eric Fosu Oteng-Abayie**, Kofi Amanor, Anthony Kofi Osei-Fosu (2022). Spatial analysis of the effect of microfinance on poverty and inequality in Ghana. *Journal of Social and Economic Development*. https://doi.org/10.1007/s40847-022-00210-3

24. Franklin Bedakiyiba Baajike, Enoch Ntsiful, Angela Boakye Afriyie, **Eric Fosu Oteng-Abayie** (2022). The effects of economic growth, trade liberalization, and financial development on environmental sustainability in West Africa. The role of institutions. *Research in Globalization*. https://doi.org/10.1016/j.resglo.2022.100104

25. Paul Adjei Kwakwa, William Adzawla, Hamdiyah Alhassan, **Eric Fosu Oteng-Abayie** (2022). The effects of urbanization, ICT, fertilizer usage, and foreign direct investment on carbon dioxide emissions in Ghana. *Environmental Science and Pollution Research*. https://doi.org/10.1007/s11356-022-23765-4

26. Opoku Adabor, **Eric Fosu Oteng-Abayie**, Emmanuel Buabeng (2022). The impact of foreign direct investment on the growth of the manufacturing sector: exploring the role of institutional quality in Ghana. *SN Business & Economics*. https://doi.org/10.1007/s43546-022-00369-1

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39. Eric Abokyi, Paul Appiah-Konadu, Isaiah Sikayena, **Eric F. Oteng-Abayie** (2018). Consumption of Electricity and Industrial Growth in the Case of Ghana. *Journal of Energy*. https://doi.org/10.1155/2018/8924835

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Theses 1

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