# Prof. Daniel Sakyi

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## PROFILE

Daniel Sakyi is a Professor of Economics and Director of the Centre for Cultural and African Studies (CeCASt), Kwame Nkrumah University of Science and Technology (KNUST), Kumasi. Daniel is a former Volkswagen Foundation Senior Fellow. He is specialized in development macroeconomics and growth, international trade and finance, and regional integration. Daniel is a visiting Professor at the Department of Economics of University of Cantabria, Spain, and the African Economic Research Consortium's (AERC) Shared Facility for Specialization and Electives hosted by the University of Pretoria, South Africa. He has led several research projects with research grants from a number of international organizations and participated in several international conferences and workshops across the world. His research works have appeared in reputed peer reviewed journals including review of world economics, review of development economics, applied economics, the international trade journal, the journal of international trade and economic development, maritime economics and logistics, maritime policy and management, and African development review, among others.

## RESEARCH

| | |
|---|---|
| Interests | Development Macroeconomics · International Trade and Finance · Regional Integration · Macroeconomics · Economic Growth and Development · Regional Integrati |
| Areas | Economics and Econometrics · General Economics, Econometrics and Finance · Information Systems · Accounting · Finance · Development |

## RESEARCH SUMMARY

| 71 | 1,561 | 21 | 33 | 4.80 | 57% |
|---|---|---|---|---|---|
| Publications | Citations | h-index | i10-index | Field-weighted impact | World top 10% |

Counted from the 71 publications listed below, 2011–2026. Field-weighted impact is the mean over the 49 works scored for it; 1.00 is the world average for works of the same field, type and year. 28 of the 49 papers scored for it are among the world's most cited tenth for their field, type and year.

## POSITIONS

**Professor** 2023–present
Department of Economics, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

**Associate Professor** 2020–2023
Department of Economics, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

**Senior Lecturer** 2016–2020
Department of Economics, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

**Lecturer** 2012–2016
Department of Economics, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

## EDUCATION AND QUALIFICATIONS

**PhD Economics** 2008–2012
Department of Economics and Management, University of Pisa, Pisa, Italy

**MA Economics of International Trade and European Integration** 2006–2007
Faculty of Business and Economics, University of Antwerp, Antwerp, Belgium

**BA Economics and Geography (Combined Major)** 2000–2004
Faculty of Social Sciences, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

## PUBLICATIONS

### Journal articles 62

1. **D Sakyi**, PO Takyi (2026). Drivers Of Economic Complexity: New Evidence From Developing Countries. *Journal of Economic Development*. https://jed.cau.ac.kr/archives/51-3/51-3-5.pdf
2. Stephen Adusei, Anthony Kofi Osei-Fosu, Frank Adusah-Poku, **Daniel Sakyi**, John Bosco Dramani (2026). The Impact of Informal Economy on Poverty in Sub-Saharan Africa. Does Institutional Quality Matter? *Poverty & Public Policy*. https://doi.org/10.1002/pop4.70064
3. Enock Kojo Ayesu, **Daniel Sakyi**, Eric Arthur (2026). Trade openness and economic growth in Africa: The role of seaport efficiency. *WMU Journal of Maritime Affairs*. https://doi.org/10.1007/s13437-026-00412-0
4. Michael Kwowove Didongo, **Daniel Sakyi**, Elliot Boateng, Enock Kojo Ayesu, Donatus Kuuzume (2025). Effect of institutional quality on intra-African agricultural trade. *International Economics and Economic Policy*. https://doi.org/10.1007/s10368-025-00686-4
5. Gideon Ndubuisi, Emmanuel B. Mensah, Elvis K. Avenyo, **Daniel Sakyi** (2025). Global value chains and the innovativeness of firms in Africa. *Technovation*. https://doi.org/10.1016/j.technovation.2025.103276
6. Samuel Tawiah Baidoo, **Daniel Sakyi**, Emmanuel Buabeng (2024). Does financial sector development promote economic globalization in Africa? *Seikei ronsō/Review of economics and political science*. https://doi.org/10.1108/reps-08-2023-0089
7. E Amporfu, **D Sakyi** (2024). Pricing of climate risks in the capital market of South Africa. *The Journal of Developing Areas*. https://muse.jhu.edu/pub/51/article/924528/summary
8. EK Ayesu, **D Sakyi**, ST Baidoo (2024). The effects of seaport efficiency on trade performance in Africa. *Maritime Policy & Management*.
9. Thompson Ogajah Tawiah, **Daniel Sakyi**, Raphael Edem Ayibor, Kofi Amanor (2024). The impact of financial inclusion on rural–urban households welfare inequality in Ghana : A decomposition analysis. *Review of Development Economics*. https://doi.org/10.1111/rode.13153
10. Yahuza Abdul Rahman, Anthony Kofi Osei-Fosu, **Daniel Sakyi** (2024). The impacts of convergence policies on macroeconomic stability in the West African monetary zone. *African Journal of Economic and Management Studies*. https://doi.org/10.1108/ajems-12-2023-0472
11. Lukas Kornher, **Daniel Sakyi**, Linus Linnaeus Tannor (2024). “When you need it quick, let us ship it right”: on the importance of port efficiency and service quality to comply with food trade standards in Ghana. *Review of World Economics*. https://doi.org/10.1007/s10290-024-00549-1
12. Yahuza Abdul Rahman, Anthony Kofi Osei-Fosu, **Daniel Sakyi** (2023). Correlations of structural shocks, dynamic responses of output and inflation to commodities price shocks and monetary union in WAMZ. *African Journal of Economic and Management Studies*. https://doi.org/10.1108/ajems-04-2023-0129
13. E Amporfu, **D Sakyi**, PB Frimpong (2023). Demographic Dividend of Ghana: The National Transfer Approach. *African Review of Economics and Finance*. https://doi.org/10.10520/ejc-aref_v15_n1_a5
14. Samuel Tawiah Baidoo, **Daniel Sakyi**, Enock Kojo Ayesu, Grace Nkansa Asante, John Bosco Dramani (2023). Estimating the effect of economic globalization on welfare in Africa. *SN Business & Economics*.

https://doi.org/10.1007/s43546-023-00543-z

15. Paul Owusu Takyi, **Daniel Sakyi**, Hadrat Yusif, Grace Nkansa Asante, Anthony Kofi Osei-Fosu, Gideon Mensah (2023). Financial inclusion and financial development: implications for monetary policy effectiveness and economic growth in sub-Saharan Africa. *Journal of economic and administrative sciences.*. https://doi.org/10.1108/jeas-09-2022-0215
16. Frank Darkwah, **Daniel Sakyi**, Eric Evans Osei Opoku (2023). Trade openness and inflation dynamics in ECOWAS countries: An empirical investigation. *Journal of International Trade & Economic Development*. https://doi.org/10.1080/09638199.2023.2284758
17. Bartholomew Bilijo Bachori, Emmanuel Buabeng, **Daniel Sakyi** (2022). Currency hedging behavior for stock returns uncertainty in Ghana. *Applied Economics*. https://doi.org/10.1080/00036846.2022.2047599
18. Kwabena Nkansah, Paul Owusu Takyi, **Daniel Sakyi**, Frank Adusah-Poku (2022). Economic Integration Agreements and Export Survival in Ghana. *Journal of African Trade*. https://doi.org/10.1007/s44232-022-00001-z
19. 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
20. Joshua Nsanyan Sandow, Eric Fosu Oteng-Abayie, **Daniel Sakyi**, Bright Obuobi (2022). Financial sector development and natural resource rents: the role of institutions in Sub-Saharan Africa. *Environmental Science and Pollution Research*. https://doi.org/10.1007/s11356-022-21948-7
21. **Daniel Sakyi**, Clement Agonyim Asaana, Enock Kojo Ayesu (2022). How does quality of institutions affect the impact of technology adoption on export performance in Africa? *Journal of International Trade & Economic Development*. https://doi.org/10.1080/09638199.2022.2136737
22. Enock Kojo Ayesu, **Daniel Sakyi**, Alexander Bilson Darku (2022). Seaport efficiency, port throughput, and economic growth in Africa. *Maritime Economics & Logistics*. https://doi.org/10.1057/s41278-022-00252-8
23. Enock Kojo Ayesu, **Daniel Sakyi**, Samuel Tawiah Baidoo (2022). The effects of seaport efficiency on trade performance in Africa. *Maritime Policy & Management*. https://doi.org/10.1080/03088839.2022.2135178
24. Enock Kojo Ayesu, **Daniel Sakyi**, Eric Arthur, Anthony Kofi Osei-Fosu (2022). The impact of trade on African welfare: Does seaport efficiency channel matter? *Research in Globalization*. https://doi.org/10.1016/j.resglo.2022.100098
25. **D Sakyi** (2021). Determinants of choice of seaports in ECOWAS countries. *The Journal of developing areas*. https://muse.jhu.edu/pub/51/article/794038/summary
26. Hadrat Yusif, Emmanuel Nii Oseku Ntreh, **Daniel Sakyi**, Samuel Tawiah Baidoo (2021). Do government agricultural policies affect production and export of cocoa in Ghana? *African Journal of Science Technology Innovation and Development*. https://doi.org/10.1080/20421338.2021.1975356
27. **D Sakyi**, ST Baidoo, EK Ayesu (2021). Empirical determinants of saving habits among commercial drivers in Ghana. *Journal of African Business*.
28. Mariama Kaba Combasseré- Cherif, **Daniel Amoako- Sakyi**, Boubacar Maiga, Samba Diop, Amagana Dolo, Issa Nébié, Marita Troye -Blomberg (2021). Patients' Perception of Health Care Services in Malaria Endemic Area in Mali: Villages with Health Care Services Versus villages Without Health Care Services. *Asian Journal of Medicine and Health*. https://doi.org/10.9734/ajmah/2020/v18i1130272
29. **Daniel Sakyi**, Mustapha Immurana (2021). Seaport efficiency and the trade balance in Africa. *Maritime Transport Research*. https://doi.org/10.1016/j.martra.2021.100026
30. **Daniel Sakyi** (2020). A comparative analysis of service quality among ECOWAS seaports. *Transportation Research Interdisciplinary Perspectives*. https://doi.org/10.1016/j.trip.2020.100152
31. **Daniel Sakyi**, Christian Kwarteng Appiah, Enock Kojo Ayesu, Mustapha Immurana, Samuel Tawiah Baidoo (2020). A terminal level analysis of service quality at Nigerian seaports. *Journal of Shipping and Trade*. https://doi.org/10.1186/s41072-020-00069-9

32. Samuel Tawiah Baidoo, **Daniel Sakyi**, Jacob Benson Aidoo (2020). Does gender matter in credit denial among small and medium scale enterprises in Ghana. *International Journal of Entrepreneurship and Small Business*. https://doi.org/10.1504/ijesb.2020.104980

33. Clement Agonyim Asaana, **Daniel Sakyi** (2020). Empirical Analysis of Demand for Imports in Sub-Saharan Africa. *The International Trade Journal*. https://doi.org/10.1080/08853908.2020.1832938

34. Emmanuel Owusu-Ankamah, **Daniel Sakyi** (2020). Macroeconomic instability and interest rate spreads in Ghana. *Business Strategy & Development*. https://doi.org/10.1002/bsd2.155

35. Linda Akoto, **Daniel Sakyi** (2019). Empirical Analysis of the Determinants of Trade Balance in Post-liberalization Ghana. *Foreign Trade Review*. https://doi.org/10.1177/0015732519851632

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39. **Daniel Sakyi**, Sylvanus Kwaku Afesorgbor (2019). The Effects of Trade Facilitation on Trade Performance in Africa. *Journal of African Trade*. https://doi.org/10.2991/jat.k.191129.001

40. **D Sakyi** (2018). Africaâ€™ s global trade patterns. *IFPRI book chapters*. https://ideas.repec.org/h/fpr/ifpric/9780896293496_02.html

41. Benjamin Akrofi, Ishmael Ackah, **Daniel Sakyi** (2018). Analysis of the drivers of Ghana's energy demand change using the Laspeyres index method of decomposition: Q-effect, I-effect and S-effect. *OPEC Energy Review*. https://doi.org/10.1111/opec.12137

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44. **Daniel Sakyi**, John Egyir (2017). Effects of trade and FDI on economic growth in Africa: an empirical investigation. *Transnational Corporation Review*. https://doi.org/10.1080/19186444.2017.1326717

45. Samuel Kwabena Obeng, **Daniel Sakyi** (2017). Explaining the Growth of Government Spending in Ghana. *The  Journal of developing areas*. https://doi.org/10.1353/jda.2017.0006

46. **Daniel Sakyi**, Isaac Osei Mensah, Samuel Kwabena Obeng (2017). Inflation Targeting Framework and Interest Rates Transmission in Ghana: An Empirical Investigation. *Journal of African Business*. https://doi.org/10.1080/15228916.2017.1327299

47. Samuel Kwabena Obeng, **Daniel Sakyi** (2017). Macroeconomic determinants of interest rate spreads in Ghana. *African Journal of Economic and Management Studies*. https://doi.org/10.1108/ajems-12-2015-0143

48. P. Sakthivel, Krishna Reddy Chittedi, **Daniel Sakyi** (2017). Price Discovery and Volatility Transmission in Currency Spot and Futures Markets in India: An Empirical Analysis. *Global Business Review*. https://doi.org/10.1177/0972150917721834

49. **D Sakyi** (2017). The Effect of Currency Futures on Volatility of Spot Exchange Rates: Evidence from India. *International Journal of Economic Research*. https://www.researchgate.net/profile/Krishna-Reddy-Chittedi/publication/320145569_The_effect_of_currency_futures_on_volatility_of_spot_exchange_rates_Evidence_from_India/links/5aa7b4cda6fdcc9576d54d21/The-effect-of-currency-futures-on-volatility-of-spot-exchange-rates-Evidence-from-India.pdf

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51. Samuel Adams, **Daniel Sakyi**, Eric Evans Osei Opoku (2016). Capital Inflows and Domestic Investment in Sub-Saharan Africa. *Foreign Trade Review*. https://doi.org/10.1177/0015732516650820

52. Grace Nkansa Asante, E Amporfu, **D Sakyi** (2016). Do economic policy decisions affect stock market development in Ghana? *Botswana Journal of Economics*. https://academicjournals.org/journal/BOJE/article-full-text-pdf/29451B268253

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54. Lawrence Adu Asamoah, Joseph Akadeagre Agana, **Daniel Sakyi** (2016). Does interest rate matter to the Ghanaian stock market? *International Journal of Management Practice*. https://doi.org/10.1504/ijmp.2016.076744

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57. **Daniel Sakyi**, Jose Villaverde, Adolfo Maza (2014). Trade openness, income levels, and economic growth: The case of developing countries, 1970–2009. *Journal of International Trade & Economic Development*. https://doi.org/10.1080/09638199.2014.971422

58. **D Sakyi** (2013). On the implications of trade openness, foreign aid and democracy for Wagner's law in developing countries: Panel data evidence from West African Monetary Zone (WAMZ). *The Journal of Developing Areas*. https://muse.jhu.edu/pub/51/article/503597/summary

59. **Daniel Sakyi**, Samuel Adams (2012). Democracy, Government Spending and Economic Growth: The Case of Ghana, 1960–2008. *Margin The Journal of Applied Economic Research*. https://doi.org/10.1177/097380101200600303

60. **Daniel Sakyi**, José Villaverde Castro, Adolfo Maza, Krishna Reddy Chittedi (2012). TRADE OPENNESS, GROWTH AND DEVELOPMENT: EVIDENCE FROM HETEROGENEOUS PANEL COINTEGRATION ANALYSIS FOR MIDDLE-INCOME COUNTRIES. *LA Referencia (Red Federada de Repositorios Institucionales de Publicaciones Científicas)*.

61. **S Daniel** (2011). Trade Openness, Foreign Aid and Economic Growth in Post-Liberalisation Ghana: An Application of ARDL Bound Test. *Journal of Economics and International Finance*.

62. **D Sakyi** (2011). Trade openness, foreign aid and economic growth in post-liberalisation Ghana: An application of ARDL bounds test. *Journal of Economics and International Finance*. https://academicjournals.org/journal/JEIF/article-full-text-pdf/2FDBA2E4696

### Book chapters 1

1. Samuel Adams, **Daniel Sakyi** (2012). Globalization, Democracy, and Government Spending in Sub-Saharan Africa: Evidence from Panel Data. *InTech eBooks*. https://doi.org/10.5772/37573

### Conference papers 1

1. **D Sakyi** (2024). Standards in agri-food systems. *32nd ICAE*. https://iaae.confex.com/iaae/icae32/meetingapp.cgi/Session/5310

## Reports 7

1. EK Ayesu, **D Sakyi** (2026). Conflict-induced trade dynamics: A gravity framework analysis of Sudan's agricultural exports. *International Food Policy Research Institute*. https://cgspace.cgiar.org/items/4a592f74-76d8-4be9-b48f-a4db8279f494
2. **D Sakyi** (2024). Trade Integration and Economic Development in Africa. *Sage*. https://scholar.google.com/scholar?cluster=11951315988466357401&hl=en&oi=scholarr
3. **D Sakyi** (2023). Industrial clusters and firm-level innovation in Africa. *AKADEMIYA2063 Working Paper Series*. https://research4agrinnovation.org/app/uploads/2023/11/AWPS-No-006.pdf
4. **D Sakyi** (2022). Participation à la Chaîne de Valeur Mondiale et Innovation: Preuves au Niveau des Entreprises de l'Afrique. *African Economic Research Consortium*. https://publication.aercafricalibrary.org/handle/123456789/3482
5. **D Sakyi** (2018). Africa's global trade patterns. *International Food Policy Research Institute*. https://cgspace.cgiar.org/items/53b906b0-b74e-493d-89f6-b57ca1df111a
6. E Amporfu, **D Sakyi**, PB Frimpong, E Arthur, J Novignon (2018). The distribution of paid and unpaid work among men and women in Ghana: the national time transfer accounts approach. *DPRU*. https://www.countingwomenswork.org/s/CWW-WP3.pdf
7. **D Sakyi** (2011). Economic globalisation, democracy and income in Sub-Saharan Africa: A panel cointegration analysis. *Kiel und Hamburg: ZBW-Deutsche Zentralbibliothek für ….* https://www.econstor.eu/handle/10419/48313