

## **CURRICULUM VITAE**

### **PERSONAL DATA**

Name: John Bosco Dramani (PhD)

Date of Birth: 8th December, 1979

Address: Kwame Nkrumah University of Science and Technology

Faculty of Social Sciences

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### **CURRENT POSITION**

Senior Lecturer in Economics

### **EDUCATION**

14th April, 2014: PhD in Economics, University of KwaZulu-Natal, South Africa, Durban.

2008: Master of Art in Economics, Kwame Nkrumah University of Science and Technology, Ghana.

2004: Bachelor of Arts (Economics and History), Kwame Nkrumah University of Science and Technology, Ghana.

### **RESEARCH AREAS**

Energy and Development, oil and macroeconomy, sustainable energy and investment policy design, energy markets and institutions, electricity sector reforms and tariff setting, market power in electricity market and tariff design, economic development and poverty reduction, renewable energy and environmental sustainability, monetary economics and policy.

### **PUBLISHED RESEARCH PAPERS**

- 1) Baidoo, S.T., Sakyi, D., Ayesu, E.K., Asante, G.N. and Dramani, J.B., 2023. Estimating the effect of economic globalization on welfare in Africa. SN Business & Economics, 3(9), p.168.
- 2) Oteng-Abayie, E.F., Dramani, J.B., Adusah-Poku, F., Amanor, K. and Quartey, J.D., 2023. Decomposition and drivers of energy intensity in Ghana. Energy Strategy Reviews, 47, p.101090.
- 3) Opoku, R., Mensah, G., Adjei, E.A., Dramani, J.B., Kornyo, O., Nijjhar, R., Addai, M., Marfo, D., Davis, F. and Obeng, G.Y., 2023. Machine learning of redundant energy of a solar PV Mini-grid system for cooking applications. Solar Energy, 262, p.111790.

- 4) Yazdanie, M., Frimpong, P.B., Dramani, J.B. and Orehounig, K., 2024. The impacts of the informal economy, climate migration, and rising temperatures on energy system planning. *Energy Reports*, 11, pp.165-178.
- 5) Baajike, F.B., Oteng-Abayie, E.F., Dramani, J.B. and Amanor, K., 2024. Effects of trade liberalization on the global decoupling and decomposition of CO2 emissions from economic growth. *Heliyon*, 10(1).
- 6) **Dramani, J. B.**, Frimpong, P. B., & Ofori-Mensah, K. A. (2022). Modelling the Informal Sector and Energy Consumption in Ghana. *Social Sciences & Humanities Open*. 100354.
- 7) Forson, P., **Dramani, J. B.**, Frimpong, P. B., Arthur, E., & Mahawiya, S. (2022). Effect of oil price volatility on trade balance in sub-Saharan Africa. *OPEC Energy Review*.
- 8) **Dramani, J. B.**, Abdul Rahman, Y., Sulemana, M., & Owusu-Takyi, P. (2022). Natural resource dependence and economic growth in SSA: are there threshold effects? *Development Studies Research*, 9(1), 230-245.
- 9) Adusah-Poku, F., **Dramani, J. B.**, & Adjei-Mantey, K. (2022). Does the choice of cooking fuel empower Ghanaian women? An empirical analysis. *Development Southern Africa*, 1-18.
- 10) Adusah-Poku, F., **Dramani, J. B.**, & Adjei-Mantey, K. (2022). Determinants of electricity demand in Ghana: The role of power crises. *International Journal of Sustainable Energy*, 41(6), 699-712.
- 11) Nayaga, P., Adusah-Poku, F., **Dramani, J. B.**, & Takyi, P. O. (2021). The threshold effect of electricity consumption and urbanization on carbon dioxide emissions in Ghana. *Management of Environmental Quality: An International Journal*.
- 12) I. Ackah, J.B. **Dramani**, and R.K. Asiama (2021). The Political Settlement and Decision making in Ghana's Energy Sector. *Oil, Gas & Energy Law Intelligence*. ISSN : 1875-418X Issue : Vol. 19 - issue 3
- 13) **Dramani, J.B.**, and Prince Boakye Frimpong (2020), The effect of crude oil price shocks on domestic macroeconomic stability in Ghana. *Organization of the Petroleum Exporting Countries*. <https://doi.org/10.1111/opec.12182>.
- 14) Mahawiya Sulemana & **John Bosco Dramani** (2020). Effect of financial sector development and institutions on economic growth in SSA. Does the peculiarities of regional blocs matter? *Journal of Sustainable Finance & Investment*, DOI: 10.1080/20430795.2020.1837500.
- 15) Mahawiya Sulemana and John Bosco Dramani and Eric Fosu Oteng-Abayie (2018), Foreign bank inflows: Implications for bank stability in sub-Saharan Africa, *African Review of Economics and Finance*, ISSN 2042-1478, Volume 10, Issue 1.

- 16) Eric Fosu Oteng-Abayie & John Bosco Dramani (2018), Time-frequency domain causality of prime building cost and macroeconomic indicators in Ghana: implications for project selection, *Construction Management and Economics*, 37:5, 243-256
- 17) Kennedy Kwabena Abrokwa, John Bosco Dramani and Keshab Bhattarai (2017), The effect of electricity technical losses on Ghana's economy: a simulation evaluation, *Organization of the Petroleum Exporting Energy Review*, Volume 41, Issue 4, 286-317
- 18) Maurice Omane-Adjepong & John Bosco Dramani (2017): On the dynamic effects of global commodities on stock market blocks in Africa, *Applied Economics Letters*. 1466-4291. Volume 25, 2018 - Issue 11.
- 19) John Bosco Dramani and D.D Tewari (2014), Institutions and electricity sector's performance in Ghana, *Journal of Economics*, 5(3): 259-273.
- 20) John Bosco Dramani and D.D Tewari (2014), Estimating short-and- long run elasticities of industrial demand for electricity, *Asian Economic Review*, 56(2), 1-18.
- 21) John Bosco Dramani and D.D Tewari (2014), An econometric analysis of residential electricity demand in Ghana, *Mediterranean Journal of Social Sciences*, 5 (16) : 2039-9340.
- 22) John Bosco Dramani and D.D Tewari (2013), Electricity end-use efficiency in Ghana: Experience with technologies, policies and institutions, *Mediterranean Journal of Social Sciences*, 4(13), 2039-2117.
- 23) John Bosco Dramani, Francis Tandoh and Godfred Aawaar (2012), Financial Development and Economic Growth: Evidence from Ghana, *Asian Economic Review*, 54(3), 449-470.
- 24) John Bosco Dramani, D.D Tewari and Francis Tandoh (2012), Structural Breaks, Electricity Consumption and Economic Growth: Evidence from Ghana, *AJBM*, 6(22), 6709-6720

## **PUBLISHED BOOK CHAPTERS**

- 1) Maurice Omane-Adjepong, Imhotep Paul Alagidede and John Bosco Dramani (2020). COVID-19 Outbreak and Co-Movement of Global Markets: Insight from Dynamic Wavelet Correlation Analysis, DOI: <http://dx.doi.org/10.5772/intechopen.9509>.
- 2) Amin Karimu and John Bosco Dramani (2020), Energy Consumption Patterns in Africa: The Role of Biomass Fuels for Cooking and Fuel Use in the Transportation Sector. In R. Bali Swain and S. Sweet (eds.), *Sustainable Consumption and Production*, Volume I, [https://doi.org/10.1007/978-3-030-56371-4\\_1](https://doi.org/10.1007/978-3-030-56371-4_1)

- 3) Graham, E., Dramani, J.B. and Frimpong, P.B., 2023. 7. Ghana's monetary policy and COVID-19: a critical appraisal. COVID-19 and the Response of Central Banks: Coping with Challenges in Sub-Saharan Africa, p.104.
- 4) Dramani, J.B., Provencal, E.A., Hosi, S. and Sarfo, B., 2023. Oil and Gas Storage Management: Evidence from a Developing Country. Sustainability Management in the Oil and Gas Industry: Emerging and Developing Country Perspectives. (2022-2023) <https://doi.org/10.4324/9781003309864>
- 5) Karimu, A., Dramani, J.B. and Ackah, I., 2023. 17 Natural Gas and Liquefied Natural Gas Resource Management. Sustainability Management in the Oil and Gas Industry: Emerging and Developing Country Perspectives. (2022-2023) <https://doi.org/10.4324/9781003309864>

## **COMPLETED PROJECTS AND CONSULTANCY SERVICES**

- 1) Co- Principal Investigator, Prefos Ghana Limited, Construction and Installation (Supply) of Off-Grid Solar Power to MMDA SHS and Hospitals in Ghana (December, 2016 - January, 2017).
- 2) Co-principal investigator, International Growth Centre, Powering the Powerless: Economic impact of rural electrification in Ghana. August 2017- May, 2018.
- 3) Co-investigator, Africa's Mineral Economies – Breaking Their Dependence on Mining, Nordic Africa Institute, Uppsala, Sweden. October, 2017 to December, 2017.
- 4) Principal Investigator, Ghana Oil and Gas for Inclusive Growth (GOGIG), The effect of crude oil price shocks on domestic macroeconomic stability in Ghana. September, 2017 to February, 2018.
- 5) Principal Investigator, Open Society Initiative for West Africa, OSIWA, Tax Incentives and expenditures in Ghana, 2019.
- 6) Co-principal Investigator, GIZ, Energising Development Project in Ghana With Focus on Productive Use of Electricity, Post Project Performance Evaluation Report, 2019.
- 7) Co-principal investigator, Swiss National Science Foundation (SNF) Funded SPIRIT Project, Energy System Modeling for the Real World: Transforming Modeling Approaches for Sustainable and Resilient Urban Development, 2021-2022

## FELLOWSHIPS

- 1) 2019: African Programme on Rethinking Development Economics (APORDE) Conference Scholarships.
- 2) 2018-Now: Member, The Brew-Hammond Energy Centre, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana.

## PhD Supervision

1. **Prince Amoako**, Studies on National Health Insurance Enrollment mobile money registration and employment of nurses in Ghana. 2020-2024 (will be able to submit complete work soon for defense)
2. **Patrick Anu**, Studies on Structural Change, Commodity Price Dynamics and Climate Change in Sub-Saharan Africa, 2020-2024
3. **Godfred Mawutor**, Energy consumption dynamics and the macroeconomy of Ghana, 2022-2026

## Internal and External Examination of PhD Theses

1. **Abraham Gyamfi Ababio**, Religion and poverty in Ghana; Pathways and Prospects, 2021, Kwame Nkrumah University of Science and Technology, Ghana.
2. **Yahuza Abdul Rahman**, Studies on Macroeconomic Stability, Optimum Currency Areas, Economic Growth and Social Progress Among the West African Monetary Zone (Wamz), 2022, Kwame Nkrumah University of Science and Technology, Ghana.
3. **Olusegun Jonathan FAMOROTI**, Monetary Policy Shocks and Economic Growth in Economic Community of West African State, University of KwaZulu Natal (UKZN), Durban, 2022.
4. **Pamelah Cheuka**, The Impact of Energy Efficiency and Renewable Energy Generation on Productivity in Selected SADC Countries, Faculty of Economic and Management Sciences, North-West University, **2022**.
5. **C.I. Ifeacho**, Dynamics of energy commodity prices and green in sub-Sahara Africa, Faculty of Economic and Management Sciences, North-West University, **2022**.

## PARTICIPATION IN PROFESSIONAL PROGRAMS

- 1) Participate in a Two-Day Webinar on Electricity Tariffs Setting Process in Ghana: March 30-31, 2022.
- 2) Market Entry into Renewable Energy and Energy Efficiency in the Productive Sector in Ghana' jointly implemented by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) and Ghanaian Ministry of Energy which took place on the 25th November, 2021 at the Fiesta Royale Hotel, Accra.

- 3) Market Entry into Renewable Energy and Energy Efficiency in the Productive Sector in Ghana' to be jointly implemented by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) and Ghanaian Ministry of Energy which took place from the 15 th to 16th December, 2020 at the Palm Hotel at Prampram, Accra.
- 4) Ghana Startup Bill Regional Validation Workshop-Ashanti Region.