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EDUCATION

Kiel Institute for the World Economy, Germany.

International Economic Policy Research, 2023 – Present.

Jiangsu University, China.

Doctor of Philosophy - Ph.D. in Management Science and Engineering, 2015 – 2019.

University of Electronic Science and Technology of China, China.

Master of Science (M.Sc.) in Management Science and Engineering, 2011 – 2013.

Takoradi Polytechnic (Now Takoradi Technical University), Ghana.

Higher National Diploma (HND) in Purchasing and Supply, 2006 – 2009.

RESEARCH INTEREST

Environmental economics, Energy economics, Green finance, Sustainable development, and Econometrics.

WORK EXPERIENCE

Lecturer/Researcher, Jiangsu University, School of Finance and Economics 05/2022 – 04/2023, China.

Postdoctoral Researcher, Jiangsu University, School of Finance and Economics 11/2019 – 02/2022, China.

Research Assistant, Jiangsu University, School of Finance and Economics, 01/2019- 06/2019, China.

Financial Controller (Working student), Bosch Power Tools China Company Limited, 12/2017 – 12/2018, China.

Human Resource, Planning, and Reporting Intern, Daimler Trucks Asia, Mitsubishi Fuso Truck and Bus Corporation, 05/ 2017 – 11/2017, Japan.

Supply Chain Controller Intern, Bosch Power Tools China Company Limited, 01/2016 – 07/2016, China.

Procurement Manager, CiCi -Monnet Investments Limited, 09/2013 – 07/2015, Ghana.

Monitoring / Assessment Officer, Dream Finance Limited, 12/2010 – 08/2011, Ghana.

Teaching Assistant, Koforidua Technical University, 10/2009 – 08/2010, Ghana.

PUBLICATION

Achieving 1.5°C and net-zero emissions target: The role of renewable energy and financial development. (Sole-authored). **Renewable Energy**, 2022, 188:967-985. doi: <https://doi.org/10.1016/j.renene.2022.02.056>.

The impact of green technological innovation and institutional quality on CO₂ emissions in African countries (with Haibo Chen, and Isaac Adjei Mensah) **Technological Forecasting and Social Change**, 2022, 180:121670. doi: <https://doi.org/10.1016/j.techfore.2022.121670>.

Transitions to sustainable development: the role of green innovation and institutional quality (with Haibo Chen and Isaac Adjei Mensah) **Environment, Development and Sustainability**, 2022, 10.1007/s10668-022-02328-0.

Has the establishment of green finance reform and innovation pilot zones improved air quality? Evidence from China (with Xiaoyang Xu and Yufan Xie), **Humanities and Social Sciences Communications**, 2023, 10, 262. <https://doi.org/10.1057/s41599-023-01773-0>.

The causal relationship between China-Africa trade, China OFDI and economic growth of African countries (with Haibo Chen, Emmanuel Caesar Ayamba, and Claudia Nyarko Mensah). **SAGE Open**, 2021, 11 (4):21582440211064899. doi: 10.1177/21582440211064899.

Environmental pollution of China to foreign investors: detrimental or beneficial? (with Haibo Chen, Kofi Baah Boamah, Emmanuel Caesar Ayamba, Claudia Nyarko Mensah, and Nelson Amowine) **Environmental Science and Pollution Research**, 2021, 28 (11):13133-13150. doi: 10.1007/s11356-020-11549-7

Potential economic indicators and environmental quality in African economies: new insight from Cross Sectional-Autoregressive Distributed Lag approach (with Isaac Adjei Mensah, Mei Sun, Akoto Yaw Omari-Sasu, Cuixia Gao, Tolulope Temilola Osinubi) **Environmental Science and Pollution Research**, 2021, DOI: 10.1007/s11356-021-14598-8.

The impact of foreign direct investment on sustainable development in China (with Ayamba, Emmanuel Caesar, Chen Haibo, Abdul-Rashid Abdul-Rahaman, and Andrew Osei-Agyemang) **Environmental Science and Pollution Research**, 2020, 27:25625-25637.

PAPERS UNDER REVIEW AND WORKING PAPERS

An econometric study of eco-innovation, clean energy, and trade openness toward sustainable development (Sole-authored), **Sustainable Development**, Revised, Under review, 2023.

Stimulating the adoption of green technology innovation, clean energy resources, and environmental tax to achieve carbon neutrality: the role of financial development (with Isaac Ahakwa), **Technological Forecasting and Social Change**, Under review, 2023.

The pathway toward achieving carbon neutrality: Advances in green technology innovation, clean energy, and financial sectors (Sole-authored), **Environment, Development and Sustainability**, Revised, Under review, 2023.

Striving towards net zero emissions: How critical is clean energy and financial sectors? (with Haibo Chen and Jiawei Lu), **Heliyon**, Under review, 2023.

Accelerating the transition to carbon neutrality: Do green technology innovation, renewable energy, and environmental-related tax matter? (with Haibo Chen and Guoping Ding) **Environment, Development and Sustainability**, Under review, 2023.

Adopting green finance: the way to achieve net zero emissions? Work in progress.

The impact of liquidity on green bonds. Work in progress.

How green bond de-risk investment in low carbon stock. Work in progress.

ESG in merger and acquisition. Work in progress.

Global transition to climate-neutrality: environment-related technologies, clean energy and financial sectors. Work in progress.

Embracing climate action planning to mitigate the adverse effect of climate change. Work in progress.

ACADEMIC AWARDS AND HONOURS

Jiangsu University Presidential Scholarship, 2015-2019.

Best Master's Degree Thesis and Graduate Student, University of Electronic Science and Technology of China, 2013.

University of Electronic Science and Technology of China Scholarship, 2011-2013.

CONFERENCES AND SUMMITS PARTICIPATED

Nov 2022	Urban Transition 2022, Sitges, Barcelona, Spain.
Oct 2022	EARTH 2022, 16th International Symposium on East Asian Resources Recycling Technology, Magic School of Green Technologies, Tainan City, Taiwan.
Oct 2020	National Post-Doctoral Academic Forum of Intelligent Agricultural and Technological Innovation, Jiangsu University, China.
March 2019	3rd International Conference on Ecology, Ecosystem and Conservation Biology, 2019, Chicago, USA.
July 2018	Sino-German Procurement 4.0 Summit, Chengdu-Pujiang, China.
May 2016	International Symposium: Economic and Trade Cooperation and Development along the Silk Road Economic Belt, Northwest University, Xi'an, China.
Nov 2015	42nd Tri-U Conference: Jiangsu University, China.
Nov 2015	5th Sino-Foreign Post-Graduate Conference: Jiangsu University, China.