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RESEARCH

Interests	Macro-Finance · Empirical Finance · Asset Pricing · Financial Econometrics · Financial Markets · Corporate Finance · Applied Finance
Areas	Economics and Econometrics · Finance · Information Systems · Accounting · General Economics, Econometrics and Finance · Renewable Energy, Sustainability and the Environment

RESEARCH SUMMARY

160	6,265	39	100	9.58	73%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 160 publications listed below, 2017–2026. Field-weighted impact is the mean over the 142 works scored for it; 1.00 is the world average for works of the same field, type and year. 104 of the 142 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

POSTDOCTORAL FELLOWSHIP 2025–present
School of Construction Economics & Management, University of the Witwatersrand, Johannesburg, South Africa

Senior Lecturer in Finance 2021–present
Finance, University of Ghana Business School, Accra, Ghana

Lecturer in Finance 2021–2022
Applied Economics, University of Cape Coast, Cape Coast, Ghana

Casual Teaching Staff 2017–2020
Finance and Banking, The University of Adelaide, Adelaide, Australia

Snr Quantitative Financial Analyst 2015–2016
Research, Groupe Nduom - Ghana, Accra, Ghana

EDUCATION AND QUALIFICATIONS

PhD Finance 2016–2020
Banking and Finance, The University of Adelaide, Adelaide, Australia

MPhil Finance 2012–2014
Finance, University of Ghana, Legon, Ghana

B. Sc. Statistics 2006–2010
Mathematics and Statistics, University of Cape Coast, Cape Coast, Ghana

PUBLICATIONS

Journal articles 151

1. Md.Habibur Rahman Fuszder, Mohammad Abdullah, Zunaidah Sulong, **Emmanuel Joel Aikins Abakah** (2026). Cybersecurity risk and bank competition. *Journal of International Financial Markets Institutions and Money*. https://doi.org/10.1016/j.intfin.2026.102313
2. **Ahmed Bouteska**, Murad Harasheh (2026). Decoding the crypto crowd: how social media sentiment predicts Ethereum's price. *Journal of Asset Management*. https://doi.org/10.1057/s41260-025-00438-8
3. Md. Habibur Rahman Fuszder, Zunaidah Sulong, Mohammad Abdullah, **Emmanuel Joel Aikins Abakah** (2026). Does cybersecurity risk affect bank liquidity creation? *Finance research letters*. https://doi.org/10.1016/j.frl.2026.110140
4. Aviral Kumar Tiwari, Mehrad Asadi, Mohammad Abdullah, **Emmanuel Joel Aikins Abakah**, Rubaiyat Ahsan Bhuiyan (2026). Sports tokens and sports equities: A downside tail risk analysis with portfolio implications. *Financial Innovation*. https://doi.org/10.1186/s40854-025-00885-7
5. **EJA Abakah**, KO Appiah (2025). Analyzing the static and dynamic dependence among green investments, carbon markets, financial markets and commodity markets. *International Journal of Managerial Finance*.
6. **Ahmed Bouteska**, Murad Harasheh, Nezha Hamoutan, May H. Hammad (2025). Can board refreshment mitigate managerial power: New evidence from the MENA region. *Pacific-Basin Finance Journal*. https://doi.org/10.1016/j.pacfin.2025.102710
7. **Emmanuel Joel Aikins Abakah**, S Kuttu (2025). Capital asset pricing model in African markets: a systematic review and bibliometric network analysis. *The Elgar Companion to Financial Economics*. https://www.elgaronline.com/abstract/book/9781035341405/chapter11.xml
8. Nader Trabelsi, **Emmanuel Joel Aikins Abakah**, Miklesh Prasad Yadav, Aviral Kumar Tiwari (2025). Causal dynamics among fintech, communication and digital payments firms. *Electronic Commerce Research*. https://doi.org/10.1007/s10660-025-10002-6
9. Zunaidah Sulong, Md. Habibur Rahman Fuszder, Mohammad Abdullah, **Emmanuel Joel Aikins Abakah** (2025). Cybersecurity risk and bank risk-taking. *Journal of Behavioral and Experimental Finance*. https://doi.org/10.1016/j.jbef.2025.101080
10. Mohammad Abdullah, David Adeabah, Chi-Chuan Lee, **Emmanuel Joel Aikins Abakah**, Rubaiyat Ahsan Bhuiyan (2025). Does climate risk drive digital asset returns? *Physica A Statistical Mechanics and its Applications*. https://doi.org/10.1016/j.physa.2025.130530
11. Boakye Dankwah, **Emmanuel Joel Aikins Abakah**, Elikplimi Komla Agbloyor, Chi-Chuan Lee (2025). Dynamic connections between Africa's emerging equity markets and global financial assets. *Emerging Markets Review*. https://doi.org/10.1016/j.ememar.2025.101337
12. Mohammad Ashraful Ferdous Chowdhury, Mohammad Abdullah, **Emmanuel Joel Aikins Abakah**, Aviral Kumar Tiwari (2025). Geopolitical risk and energy market tail risk forecasting: An explainable machine learning approach. *Journal of commodity markets*. https://doi.org/10.1016/j.jcomm.2025.100478
13. **Emmanuel Joel Aikins Abakah**, Mohammad Abdullah, Omokolade Akinsomi, Aviral Kumar Tiwari (2025). Geopolitical risk and real estate stock crash. *Finance research letters*. https://doi.org/10.1016/j.frl.2025.107333
14. Omokolade Akinsomi, **Emmanuel Joel Aikins Abakah**, Chi-Chuan Lee (2025). Impact of global risk aversion on real estate market returns. *Finance research letters*. https://doi.org/10.1016/j.frl.2025.109177
15. **Emmanuel Joel Aikins Abakah**, Raphael Odoom, Mohammad Abdullah, Chi-Chuan Lee, Mohd Ziaur Rehman (2025). Marketing tokens and marketing stocks: Tail risk connections with portfolio implications. *Research in International Business and Finance*. https://doi.org/10.1016/j.ribaf.2025.102784
16. Aviral Kumar Tiwari, Mohammad Abdullah, Provash Kumer Sarker, **Emmanuel Joel Aikins Abakah** (2025). Real-world asset tokens and commodities: static and dynamic linkages. *China Accounting and Finance Review*. https://doi.org/10.1108/cafr-05-2024-0054

17. Mohammad Abdullah, Aviral Kumar Tiwari, **Emmanuel Joel Aikins Abakah**, Chi-Chuan Lee (2025). Tail risk connectedness between tokenized and traditional derivatives: Time-frequency analysis and portfolio insights. *Investment Analysts Journal*. https://doi.org/10.1080/10293523.2025.2526267
18. James Atambilla Abugre, Joshua Yindenaba Abor, Joseph G. Nellis, **Emmanuel Aikins Abakah** (2025). The Effects of Monetary Policy and Financial Technology on Inflation: Evidence From Emerging and Developing Countries. *Journal of Accounting and Finance*. https://doi.org/10.33423/jaf.v25i1.7550
19. **EJA Abakah** (2025). The impact of economic outlook on green finance: insights from linkages between green and inflation-indexed bonds. *Environment*.
20. **Emmanuel Joel Aikins Abakah**, Mohammad Abdullah, Aviral Kumar Tiwari, G M Wali Ullah (2024). Asymmetric dynamics between geopolitical conflict sentiment and cryptomarkets. *Research in International Business and Finance*. https://doi.org/10.1016/j.ribaf.2024.102273
21. **Emmanuel Joel Aikins Abakah**, Mohammad Abdullah, Boakye Dankwah, Chi-Chuan Lee (2024). Asymmetric dynamics between the Baltic Dry Index and financial markets during major global economic events. *The North American Journal of Economics and Finance*. https://doi.org/10.1016/j.najef.2024.102126
22. **Emmanuel Joel Aikins Abakah**, David Xuefeng Shao, Aviral Kumar Tiwari, Chien-Chiang Lee (2024). Asymmetric relationship between carbon market and energy markets. *Energy*. https://doi.org/10.1016/j.energy.2024.133656
23. Aviral Kumar Tiwari, **Emmanuel Joel Aikins Abakah**, Buhari Doğan, Oluwasegun B. Adekoya, Mark Wohar (2024). Asymmetric spillover effects in energy markets. *International Review of Economics & Finance*. https://doi.org/10.1016/j.iref.2024.02.001
24. Buhari Doğan, Sami Ben Jabeur, Aviral Kumar Tiwari, **Emmanuel Joel Aikins Abakah** (2024). Asymmetry in returns and volatility between green financial assets, sustainable investments, clean energy, and international stock markets. *Research in International Business and Finance*. https://doi.org/10.1016/j.ribaf.2024.102626
25. **Ahmed Bouteska**, Taimur Sharif, Petr Hajek, Mohammad Zoynul Abedin (2024). Aversion and ambiguity: On the robustness of the macroeconomic uncertainty measure framework. *Technological Forecasting and Social Change*. https://doi.org/10.1016/j.techfore.2024.123340
26. **Emmanuel Joel Aikins Abakah**, Nader Trabelsi, Aviral Kumar Tiwari, Samia Nasreen (2024). Bitcoin, Fintech stocks and Asian Pacific equity markets: a dependence analysis with implications for portfolio management. *The Journal of Risk Finance*. https://doi.org/10.1108/jrf-04-2024-0095
27. Luis A. Gil-Alana, **Emmanuel Joel Aikins Abakah**, Nieves Carmona-González, Aviral Kumar Tiwari (2024). Consumer sentiments across G7 and BRICS economies: Are they related? *Journal of Economics and Finance*. https://doi.org/10.1007/s12197-023-09657-4
28. **Ahmed Bouteska**, Le Thanh Ha, Faruk Bhuiyan, Taimur Sharif, Mohammad Zoynul Abedin (2024). Contagion between investor sentiment and green bonds in China during the global uncertainties. *International Review of Economics & Finance*. https://doi.org/10.1016/j.iref.2024.03.045
29. Aviral Kumar Tiwari, Satish Kumar, **Emmanuel Joel Aikins Abakah** (2024). Correlation and price spillover effects among green assets. *Annals of Operations Research*. https://doi.org/10.1007/s10479-024-06154-7
30. **Emmanuel Joel Aikins Abakah**, G M Wali Ullah, Mohammad Abdullah, Chi-Chuan Lee, Zunaidah Sulong (2024). Correlation structure between fiat currencies and blockchain assets. *Finance research letters*. https://doi.org/10.1016/j.frl.2024.105114
31. Aviral Kumar Tiwari, **Emmanuel Joel Aikins Abakah**, Nader Trabelsi, Mark Wohar (2024). Do shipping freight markets impact commodity markets? *International Review of Economics & Finance*. https://doi.org/10.1016/j.iref.2024.01.066
32. Le Thanh Ha, **Ahmed Bouteska**, Murad Harasheh (2024). Dynamic connectedness between FinTech and energy markets: Evidence from fat tails, serial dependence, and Bayesian approach. *International Review of Economics & Finance*. https://doi.org/10.1016/j.iref.2024.04.034
33. Le Thanh Ha, **Ahmed Bouteska**, Taimur Sharif, Mohammad Zoynul Abedin (2024). Dynamic interlinkages between carbon risk and volatility of green and renewable energy: A TVP-VAR analysis. *Research in*

International Business and Finance. https://doi.org/10.1016/j.ribaf.2024.102278

34. **Emmanuel Joel Aikins Abakah**, Mohammad Ashraful Ferdous Chowdhury, Mohammad Abdullah, Shawkat Hammoudeh (2024). Energy tokens and green energy markets under crisis periods: A quantile downside tail risk dependence analysis. *International Review of Economics & Finance*. https://doi.org/10.1016/j.iref.2024.103636
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36. **Emmanuel Joel Aikins Abakah**, Mariem Brahim, Jean-Etienne Carlotti, Aviral Kumar Tiwari, Walid Mensi (2024). Extreme downside risk connectedness and portfolio hedging among the G10 currencies. *International Economics*. https://doi.org/10.1016/j.inteco.2024.100503
37. Mohammad Abdullah, Aviral Kumar Tiwari, Mohammad Razib Hossain, **Emmanuel Joel Aikins Abakah** (2024). Geopolitical risk and firm-level environmental, social and governance (ESG) performance. *Journal of Environmental Management*. https://doi.org/10.1016/j.jenvman.2024.121245
38. **Ahmed Bouteska**, Taimur Sharif, Faruk Bhuiyan, Mohammad Zoynul Abedin (2024). Impacts of the changing climate on agricultural productivity and food security: Evidence from Ethiopia. *Journal of Cleaner Production*. https://doi.org/10.1016/j.jclepro.2024.141793
39. Aviral Kumar Tiwari, **Emmanuel Joel Aikins Abakah**, Richard Adjei Dwumfour, Chi-Chuan Lee (2024). Markov-switching multifractal volatility spillovers among European stock markets during crisis periods. *Applied Economics*. https://doi.org/10.1080/00036846.2024.2324846
40. **Emmanuel Joel Aikins Abakah**, Aviral Kumar Tiwari, Mohammad Abdullah, Qiang Ji, Zunaidah Sulong (2024). Monetary policy uncertainty and ESG performance across energy firms. *Energy Economics*. https://doi.org/10.1016/j.eneco.2024.107699
41. Dan Owusu Amponsah, Mohammad Abdullah, **Emmanuel Joel Aikins Abakah**, Joshua Yindenaba Abor, Chi-Chuan Lee (2024). Multiscale tail risk integration between safe-haven assets and Africa's emerging equity market. *The North American Journal of Economics and Finance*. https://doi.org/10.1016/j.najef.2024.102294
42. **Emmanuel Joel Aikins Abakah**, Aviral Kumar Tiwari, Nana Kwasi Karikari, Elikplimi Komla Agbloyor, Chi-Chuan Lee (2024). Quantile correlation between fintech stocks and crypto-assets. *Applied Economics*. https://doi.org/10.1080/00036846.2024.2423898
43. Zaghum Umar, Sinda Hadhri, **Emmanuel Joel Aikins Abakah**, Muhammad Usman, Muhammad Umar (2024). Return and volatility spillovers among oil price shocks and international green bond markets. *Research in International Business and Finance*. https://doi.org/10.1016/j.ribaf.2024.102254
44. Emmanuel Asafo-Adjei, Aviral Kumar Tiwari, **Emmanuel Joel Aikins Abakah**, Chi-Chuan Lee (2024). Risk synchronization in Australia stock market: A sector analysis. *International Review of Economics & Finance*. https://doi.org/10.1016/j.iref.2024.03.042
45. Mohammad Abdullah, Provash Kumer Sarker, **Emmanuel Joel Aikins Abakah**, Aviral Kumar Tiwari, Mohd Ziaur Rehman (2024). Tail risk intersection between tech-tokens and tech-stocks. *Global Finance Journal*. https://doi.org/10.1016/j.gfj.2024.100989
46. **EJA Abakah** (2024). The asymmetric effects of geopolitical conflict induced sentiment on the cryptocurrency, NFTs and DeFi assets. *Research in International Business and Finance*. https://scholar.google.com/scholar?cluster=2276209648005953447&hl=en&oi=scholarr
47. **Ahmed Bouteska**, M. Kabir Hassan, Zeynullah Gider, Hassan Bataineh (2024). The role of investor sentiment and market belief in forecasting V-shaped disposition effect: Evidence from a Bayesian learning process with DSSW model. *The North American Journal of Economics and Finance*. https://doi.org/10.1016/j.najef.2024.102084
48. Aviral Kumar Tiwari, **Emmanuel Joel Aikins Abakah**, Mohammad Abdullah, David Adeabah, Vinita S. Sahay (2024). Time-varying relationship between international monetary policy and energy markets. *Energy Economics*. https://doi.org/10.1016/j.eneco.2024.107339
49. Murad Harasheh, **Ahmed Bouteska** (2024). Volatility estimation through stochastic processes: Evidence from cryptocurrencies. *The North American Journal of Economics and Finance*. https://doi.org/10.1016/

j.najef.2024.102320

50. **Emmanuel Joel Aikins Abakah**, John W. Goodell, Zunaidah Sulong, Mohammad Abdullah (2024). Wavelet quantile correlation between DeFi assets and banking stocks. *Finance research letters*. https://doi.org/10.1016/j.frl.2024.106272

51. **Ahmed Bouteska**, Anupam Das Gupta, Beverley Boden, Mohammad Zoynul Abedin (2024). Who affects CEO compensation? Firm performance, ownership structure, and board diversity. *The Journal of High Technology Management Research*. https://doi.org/10.1016/j.hitech.2024.100501

52. Aarzoo Sharma, Aviral Kumar Tiwari, **Emmanuel Joel Aikins Abakah**, Freeman Brobbey Owusu (2023). A cross-quantile correlation and causality-in-quantile analysis on the relationship between green investments and energy commodities during the COVID-19 pandemic period. *Studies in Economics and Finance*. https://doi.org/10.1108/sef-02-2023-0070

53. Aviral Kumar Tiwari, Adeolu O. Adewuyi, Musefiu Adebowale Adeleke, **Emmanuel Joel Aikins Abakah** (2023). A time-varying Granger causality analysis between water stock and green stocks using novel approaches. *Energy Economics*. https://doi.org/10.1016/j.eneco.2023.107010

54. Aviral Kumar Tiwari, Nader Trabelsi, **Emmanuel Joel Aikins Abakah**, Samia Nasreen, Chien-Chiang Lee (2023). An empirical analysis of the dynamic relationship between clean and dirty energy markets. *Energy Economics*. https://doi.org/10.1016/j.eneco.2023.106766

55. **Emmanuel Joel Aikins Abakah**, Aviral Kumar Tiwari, Johnson Ayobami Oliyide, Kingsley Opoku Appiah (2023). Analyzing the static and dynamic dependence among green investments, carbon markets, financial markets and commodity markets. *International Journal of Managerial Finance*. https://doi.org/10.1108/ijmf-09-2021-0428

56. Aviral Kumar Tiwari, Nader Trabelsi, **Emmanuel Joel Aikins Abakah**, Chi-Chuan Lee (2023). Analyzing time-varying tail dependence between leveraged loan and debt markets in the U.S. economy. *International Review of Finance*. https://doi.org/10.1111/irfi.12441

57. **Ahmed Bouteska**, Murad Harasheh (2023). Bitcoin volatility and the introduction of bitcoin futures: A portfolio construction approach. *Finance research letters*. https://doi.org/10.1016/j.frl.2023.104200

58. **Emmanuel Joel Aikins Abakah**, GM Wali Ullah, Oluwasegun B. Adekoya, Christiana Osei Bonsu, Mohammad Abdullah (2023). Blockchain market and eco-friendly financial assets: Dynamic price correlation, connectedness and spillovers with portfolio implications. *International Review of Economics & Finance*. https://doi.org/10.1016/j.iref.2023.04.028

59. **Ahmed Bouteska**, Taimur Sharif, Mohammad Zoynul Abedin (2023). COVID-19 and stock returns: Evidence from the Markov switching dependence approach. *Research in International Business and Finance*. https://doi.org/10.1016/j.ribaf.2023.101882

60. **Ahmed Bouteska**, Mohammad Zoynul Abedin, Petr Hajek, Kunpeng Yuan (2023). Cryptocurrency price forecasting – A comparative analysis of ensemble learning and deep learning methods. *International Review of Financial Analysis*. https://doi.org/10.1016/j.irfa.2023.103055

61. **Ahmed Bouteska**, Marco Lavazza Seranto, Petr Hajek, Mohammad Zoynul Abedin (2023). Data-driven decadal climate forecasting using Wasserstein time-series generative adversarial networks. *Annals of Operations Research*. https://doi.org/10.1007/s10479-023-05722-7

62. **Ahmed Bouteska**, Taimur Sharif, Mohammad Zoynul Abedin (2023). Does investor sentiment create value for asset pricing? An empirical investigation of the KOSPI -listed firms. *International Journal of Finance & Economics*. https://doi.org/10.1002/ijfe.2836

63. Aviral Kumar Tiwari, Sangram Keshari Jena, **Emmanuel Joel Aikins Abakah**, Seong-Min Yoon (2023). Does the dynamics between government bond and equity markets validate the adaptive market hypothesis? evidence from transfer entropy. *Applied Economics*. https://doi.org/10.1080/00036846.2023.2166896

64. **Emmanuel Joel Aikins Abakah**, Aviral Kumar Tiwari, Sudeshna Ghosh, Buhari Doğan (2023). Dynamic effect of Bitcoin, fintech and artificial intelligence stocks on eco-friendly assets, Islamic stocks and conventional financial markets: Another look using quantile-based approaches. *Technological Forecasting and Social Change*. https://doi.org/10.1016/j.techfore.2023.122566

65. Adeolu O. Adewuyi, Musefiu A. Adeleke, Aviral Kumar Tiwari, **Emmanuel Joel Aikins Abakah** (2023).

Dynamic linkages between shipping and commodity markets: Evidence from a novel asymmetric time-frequency method. *Resources Policy*. https://doi.org/10.1016/j.resourpol.2023.103638

66. **Emmanuel Joel Aikins Abakah**, Mohammad Abdullah, Imran Yousaf, Aviral Kumar Tiwari, Yanshuang Li (2023). Economic sanctions sentiment and global stock markets. *Journal of International Financial Markets Institutions and Money*. https://doi.org/10.1016/j.intfin.2023.101910
67. **Emmanuel Joel Aikins Abakah**, David Adeabah, Aviral Kumar Tiwari, Mohammad Abdullah (2023). Effect of Russia–Ukraine war sentiment on blockchain and FinTech stocks. *International Review of Financial Analysis*. https://doi.org/10.1016/j.irfa.2023.102948
68. EK Agbloyor, **Emmanuel Joel Aikins Abakah** (2023). Enterprise Risk Management in the Oil and Gas Industry. *The Economics of the Oil and Gas Industry: Emerging Markets and Developing Economies*. https://books.google.com/books?hl=en&lr=&id=RdCsEAAAQBAJ&oi=fnd&pg=PT231&dq=info:kepGBuL14F4J:scholar.google.com&ots=NoCry2NqUi&sig=GHydzakP5lH0LBHwpAghHXccXWQ
69. Mohammad Abdullah, David Adeabah, **Emmanuel Joel Aikins Abakah**, Chi-Chuan Lee (2023). Extreme return and volatility connectedness among real estate tokens, REITs, and other assets: The role of global factors and portfolio implications. *Finance research letters*. https://doi.org/10.1016/j.frl.2023.104062
70. Oluwasegun B. Adekoya, **Emmanuel J.A. Abakah**, Johnson A. Oliyide, Gil-Alana Luis A (2023). Factors behind the performance of green bond markets. *International Review of Economics & Finance*. https://doi.org/10.1016/j.iref.2023.06.015
71. Aviral Kumar Tiwari, **Emmanuel Joel Aikins Abakah**, Xuefeng Shao, TN-Lan Le, Matthew Ntow Gyamfi (2023). Financial technology stocks, green financial assets, and energy markets: A quantile causality and dependence analysis. *Energy Economics*. https://doi.org/10.1016/j.eneco.2022.106498
72. Le Thanh Ha, **Ahmed Bouteska**, Salma Mefteh-Wali, Pham The Anh (2023). Fluctuations in gold prices in Vietnam during the COVID-19 pandemic: Insights from a time-varying parameter autoregression model. *Resources Policy*. https://doi.org/10.1016/j.resourpol.2023.104229
73. Mehdi Mili, **Ahmed Bouteska** (2023). Forecasting nonlinear dependency between cryptocurrencies and foreign exchange markets using dynamic copula: evidence from GAS models. *The Journal of Risk Finance*. https://doi.org/10.1108/jrf-04-2022-0074
74. **Emmanuel Joel Aikins Abakah**, Sahib Hossain, Mohammad Abdullah, John W. Goodell (2023). Global uncertainty factors and price connectedness between US electricity and blockchain markets: Findings from an R-square connectedness approach. *Finance research letters*. https://doi.org/10.1016/j.frl.2023.104693
75. Shawkat Hammoudeh, Aviral Kumar Tiwari, **Emmanuel Joel Aikins Abakah**, David Adeabah (2023). Global value chains in sub-Saharan Africa: The role of business regulations, policies and institutions. *Emerging Markets Review*. https://doi.org/10.1016/j.ememar.2023.101072
76. David Adeabah, **Emmanuel Joel Aikins Abakah**, Aviral Kumar Tiwari, Shawkat Hammoudeh (2023). How far have we come and where should we go after 30+ years of research on Africa's emerging financial markets? A systematic review and a bibliometric network analysis. *Emerging Markets Review*. https://doi.org/10.1016/j.ememar.2023.101030
77. **Emmanuel Joel Aikins Abakah** (2023). Impact of economic policy uncertainty, geopolitical risk, and economic complexity on carbon emissions and ecological footprint: an investigation of the E7 countries. *Environmental Science and Pollution Research*. https://doi.org/10.1007/s11356-022-24682-2
78. Murad Harasheh, **Ahmed Bouteska**, Riadh Manita (2023). Investors' preferences for sustainable investments: Evidence from the U.S. using an experimental approach. *Economics Letters*. https://doi.org/10.1016/j.econlet.2023.111428
79. **Ahmed Bouteska**, Giovanni Cardillo, Murad Harasheh (2023). Is it all about noise? Investor sentiment and risk nexus: evidence from China. *Finance research letters*. https://doi.org/10.1016/j.frl.2023.104197
80. Aviral Kumar Tiwari, **Emmanuel Joel Aikins Abakah**, Salma Mefteh-Wali, Patrick Owusu (2023). Measuring price efficiency in petroleum markets: New insights using various long-range dependence techniques. *Resources Policy*. https://doi.org/10.1016/j.resourpol.2023.103430
81. **Emmanuel Joel Aikins Abakah**, Aviral Kumar Tiwari, Imhotep Paul Alagidede, Shawkat Hammoudeh

(2023). Nonlinearity in the causality and systemic risk spillover between the OPEC oil and GCC equity markets: a pre- and post-financial crisis analysis. *Empirical Economics*. https://doi.org/10.1007/s00181-023-02366-1

82. Aviral Kumar Tiwari, **Emmanuel Joel Aikins Abakah**, Mohd Ziaur Rehman, Chi-Chuan Lee (2023). Quantile dependence of Bitcoin with clean and renewable energy stocks: new global evidence. *Applied Economics*. https://doi.org/10.1080/00036846.2023.2167921

83. **Ahmed Bouteska**, Taimur Sharif, Mohammad Zoynul Abedin, Jihene Ghouli-Oueslati (2023). Relocating investments by Tunisian insurance and pension funds towards alternative assets opportunities. *Journal of Policy Modeling*. https://doi.org/10.1016/j.jpolmod.2023.03.006

84. **Ahmed Bouteska**, Murad Harasheh, Mohammad Zoynul Abedin (2023). Revisiting overconfidence in investment decision-making: Further evidence from the U.S. market. *Research in International Business and Finance*. https://doi.org/10.1016/j.ribaf.2023.102028

85. Zunaidah Sulong, Mohammad Abdullah, **Emmanuel Joel Aikins Abakah**, David Adeabah, Simplice Asongu (2023). Russia-Ukraine war and G7 debt markets: Evidence from public sentiment towards economic sanctions during the conflict. *International Journal of Finance & Economics*. https://doi.org/10.1002/ijfe.2887

86. Aviral Kumar Tiwari, **Emmanuel Joel Aikins Abakah**, Buhari Doğan, Sudeshna Ghosh (2023). Sustainable debt and gas markets: A new look using the time-varying wavelet-windowed cross-correlation approach. *Energy Economics*. https://doi.org/10.1016/j.eneco.2023.106606

87. Mohammad Abdullah, **Emmanuel Joel Aikins Abakah**, G M Wali Ullah, Aviral Kumar Tiwari, Isma Khan (2023). Tail risk contagion across electricity markets in crisis periods. *Energy Economics*. https://doi.org/10.1016/j.eneco.2023.107100

88. Sudeshna Ghosh, Aviral Kumar Tiwari, Buhari Doğan, **Emmanuel Joel Aikins Abakah** (2023). The Dynamic Relationship Between Gas and Crude Oil Markets and the Causal Impact of US Shale Gas. *Computational Economics*. https://doi.org/10.1007/s10614-023-10415-1

89. Shengming Chen, **Ahmed Bouteska**, Taimur Sharif, Mohammad Zoynul Abedin (2023). The Russia–Ukraine war and energy market volatility: A novel application of the volatility ratio in the context of natural gas. *Resources Policy*. https://doi.org/10.1016/j.resourpol.2023.103792

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